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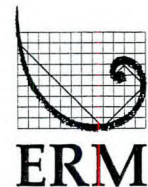
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23 June 2005

Mr. Kevin C. Kemp, P.E.
Environmental Engineer I
New York State Department of Environmental Conservation
Division of Environmental Remediation
Petroleum and Chemical Bulk Storage
615 Erie Boulevard West
Syracuse, New York 13204-2400



RE: Source and Abatement Report
General Super Plating
East Syracuse, New York
NYSDEC Spill No.: 00550288
ERM Project No.: 0032572

Dear Mr. Kemp:

Environmental Resource Management (ERM), on behalf of General Super Plating (GSP) completed source identification and spill abatement activities associated with the spill incident at the GSP Facility in East Syracuse, New York. This letter report summarizes source identification and abatement activities largely already provided to the New York State Department of Environmental Conservation (NYSDEC) in meetings and onsite visits, and presents the results of initial evaluation of the extent of affected media.

SITE DESCRIPTION

The GSP Facility is located at 5762 Celi Drive, East Syracuse, Onondaga County, New York (the Site, Figure 1). The building consists of approximately 28,500-square feet (s.f.) situated on approximately 1-acre of land. As evident on the aerial photograph of the area (Figure 2), the Site is located in a small cluster of industrial and commercial properties east of Erie Boulevard and north of the former Barge Terminal of the Erie Canal. A former NIMO facility is located due east and a former Agway facility was located due west of the Site.

The building houses plating processes, storage areas and a wastewater treatment system which discharges to the Onondaga County Wastewater

Treatment Facility (Onondaga County WEP) pursuant to an authorized permit. The majority of the operations consist of chrome, nickel and copper plating on plastic and metal.

PHYSICAL SETTING

Topographic map coverage of the site and vicinity is provided by the United States Department of Transportation 7.5-minute topographic map for Syracuse East quadrangle, New York, dated 1990. The average ground surface elevation of the site is approximately 420 feet above mean sea level (MSL). The topography of the facility and surrounding area is generally flat with surface water drainage to the north.

Surface water, including roof drainage, drains to a storm sewer swale located on the east side of the facility (GSP-Swale). Surface water in the GSP-Swale drains to an underground culvert located directly behind the facility. It is directed northward for approximately 750-feet where it empties into a swale located on the north side of Bridge Street, the Bridge Street Swale (BSS). Flow appears to continue to the north through the BSS for approximately 1,000-feet before heading west at the Bridge Street exit ramp of State Route 690. An aerial photograph showing probable drainage patterns is provided in Figure 3.

Soil in the immediate vicinity of the subject facility is classified as Urban Land (Ub) in the *Soil Survey of Onondaga County, New York*, produced by the USDA Natural Resources Conservation Service, dated October 1977. Ub consists of large built-up areas that have been so altered or obscured by urban works and structures that identification for the soils is not feasible.

Typical soils in the area of the swale generally consist of black organic rich silt and clay. Soil at the Site is generally composed of backfill underlain by 2 to 3-feet of dense clay. A gray colored, fine-sand and silt has been identified beneath the clay horizon.

SPILL INCIDENT

On 10 May 2005, NYSDEC advised GSP that a potential spill had occurred at the facility and requested analytical testing. GSP fully cooperated with the NYSDEC by leading a complete and unfettered site walkover with the NYSDEC including an inspection of the water anomalously pooled at a

roof drain area (RDA) located on the east side of the facility (Figure 4). As requested by the NYSDEC, GSP collected soil and water samples from the RDA. Water was observed to be stagnant in the RDA on the day of the inspection. ERM was retained to assist GSP with source identification and commenced abatement activities.

CHRONOLOGICAL ORDER OF EVENTS

When advised of the spill, GSP immediately implemented investigatory and control measures. A list of chronological order of events at the Site is presented below for your review.

Week of 9 May 2005

- GSP is informed of the potential release;
- GSP lead the NYSDEC on tour of facility and initiated a review of water collection areas and tanks;
- GSP collected water samples from the RDA and GSP Swale areas (Table 1, copies of laboratory data are located in Attachment A of this letter report);
- GSP inspected all plating lines, reviewed processes and available building construction plans including the plastic plating line located along the east wall of the facility and in close proximity to the RDA;

Week of 16 May 2005

- ERM is retained to assist with the facility inspection, and abatement and source identification, as necessary;
- GSP retained Environmental Products and Services (EPS) to pump water collected in the RDA;
- GSP, ERM and the NYSDEC inspected the RDA and identified a 6-inch PVC roof drain pipe located in the bottom of the shallow ditch;
- EPS under ERM's direction and with the advice of the NYSDEC, removed water in RDA and constructed a temporary berm to contain any potential leakage;
- ERM conducted a static head tests of the two wastewater equalization tanks located beneath the plastic plating line (see Figure 5 for a schematic cross-section through the plastic plating line); results indicated that both equalization tanks may be leaking; the NYSDEC inspected the tanks and observed the test;
- GSP immediately installed two large waste water collection tanks in the chrome wastewater equalization tank and re-routed all

wastewater to the new tanks; water diversion was successful at capturing nearly 100 percent of the rinse water, however, a small volume of "clean" water from leaking water lines was still entering the equalization tanks.

- Upstate Laboratories, Inc. (Upstate) collected soil and water samples from the GSP Swale and the BSS for analytes recommended by the NYSDEC (Table 2). The samples were collected at the GSP Swale (Figure 6), the RDA (Figure 7) and the BSS (Figure 8) areas;
- ERM installed a safety fence and secured the RDA;
- EPS re-enforced the temporary berm in the RDA with 6-mil polyethylene sheeting and installed a sump pump to remove any liquids;
- ERM conducted a flow test and static head test of the roof drain and determined that one of the roof collection points drained through the 6-inch PVC pipe located in the RDA; the static head test demonstrated that the drain pipe was apparently leaking; the roof collection point was permanently capped at the roof and at the outfall;
- EPS mobilized a large capacity tank to temporarily store collected liquid prior to treatment and discharge to Onondaga County WEP under a special written authorization;
- GSP met with the NYSDEC to provide an update, discuss progress and future actions;

Week of 23 May 2005

- GSP and ERM continued source identification and abatement activities and maintained nearly daily communications with the NYSDEC;
- A rain gauge was installed on the roof of the GSP facility;
- ERM met with Redux, Inc., a wastewater treatment specialists to discuss treatment of affected water in the BSS (Table 3) in the event that water removal became necessary; the sample was collected in front of the culvert pipe in the BSS; Redux, conducted a bench scale treatability study of the BSS water;
- ERM began to design soil removal scenarios in the GSP Swale, in the event soil removal became necessary and to develop plans to conduct additional investigation in the sub-slab area of the facility;
- ERM collected soil samples at 14 locations in the GSP Swale (Table 4a; Figure 6) and the RDA (Figure 7); two composite samples were submitted for TCLP analysis for disposal characteristics (Table 5);

- GSP received authorization from the Onondaga County WEP to treat and discharge additional water from the RDA;
- the data report received from Upstate was forwarded to the NYSDEC;
- GSP personnel and their subcontractor entered the Acid/ Alkali (AA) wastewater equalization tank of the plastic plating line during the holiday weekend and identified a small crack that expands during repair; the damaged concrete is repaired;

Week of 30 May 2005

- ERM collected additional soil samples at locations in RDA and GSP Swale where volatile organic compounds (VOC) were identified in the Upstate data report (Table 4a and 5a; Figure 6 and Figure 7); samples were also collected for total cyanide analysis.
- GSP received permission from Onondaga County WEP to treat onsite and discharge the recovered water from the BSS.
- EPS, under ERM direction and with NYSDEC approval pumped all standing water from the BSS and temporarily stored the water at the GSP facility;
- ERM collected six surface water samples from the BSS following the water removal (Table 3; Figure 8);
- ERM collected soil and sediment samples from the BSS for laboratory analyses (Table 4; Figure 8);
- ERM re-inspected all water collection areas within the facility and conducted a static head test in the AA and chrome wastewater equalization tanks at the Metals 3 plating line located in a separate building; all results indicate that the tanks do not leak;
- GSP and their subcontractor re-entered the AA wastewater equalization tank on the plastic plating line and re-coat the repaired area with Stone Hard™, a chemical resistant tank lining material;
- GSP re-inspects the liner of the chrome wastewater equalization tank beneath the plastic plating line but could not identify the location of the breach;

Week of 6 June 2005

- EPS under the direction of ERM excavated soil in the vicinity of the RDA to identify the point of the spill and the temporary berm is removed;

- ERM identified the point of release of the waste water during the excavation of the RDA; the release occurred at a hole in the concrete foundation wall adjacent to the 6-inch roof drain pipe;
- GSP met with NYSDEC to provide an update and discuss progress;
- EPS under the direction of ERM installed a 6-foot long collection trough in the RDA to capture any potential seepage;
- ERM collected four soil samples for laboratory analysis from the excavated area of the RDA (Table 4; Figure 7);
- ERM collected additional water, soil and sediment samples in the BSS;
- GSP re-inspects the chrome equalization tank on the plating line but does not identify the breach; GSP initiates construction of new wastewater tanks (tank within a tank) in the AA equalization tank so the temporary tanks located in the chrome equalization tank can be removed to allow for inspection of the lining beneath the former temporary tanks;
- ERM conducted a static head test of the AA equalization tank on the plastic plating line; the results indicate that the tank is not leaking;

SUMMARY OF SOURCE IDENTIFICATION ACTIVITIES

In an effort to determine the source of the spill, ERM and GSP implemented an aggressive and thorough inspection and testing program to find the point of the spill. ERM collected water samples of wastewater sources at the Site to prepare a dye study to identify the source.

Following an inspection of all water collection areas, the plastic plating line wastewater equalization tanks were suspected as a potential source. To determine whether the wastewater equalization tanks were leaking, GSP visually inspected both tanks on every weekend following the spill report. Additionally, ERM conducted a static head test on the tanks. Although the visual inspections did not reveal a breach of the lining, the static head tests indicated that both wastewater equalization tanks beneath the plastic plating were probably leaking. GSP, upon notification of the probable leak, immediately constructed temporary tanks, creating a "tank within a tank" configuration inside the chrome equalization tank Figure 5. The temporary tanks prevented nearly 100 percent of the plating line

wastewater from entering the equalization tanks and effectively prevented additional spillage.

SUMMARY OF ABATEMENT ACTIVITIES

Upon determination that the RDA was the point of release, EPS under the direction of ERM pumped all standing water from the RDA to allow for an inspection of the roof drain and the building foundation. Pumped water was temporarily stored onsite prior to pre-treatment and discharge to Onondaga County WEP under written authorization. ERM observed two roof drains entering the RDA. One roof drain was capped at the roof and at the outfall, the other was diverted from the RDA to prevent future storm water from entering the area.

Immediately upon discovery that the RDA was the release area, EPS under ERM's direction, constructed an earthen berm composed of clay soil at the east end of the RDA to prevent any additional flow of water to the GSP Swale. A 6-mil polyethylene liner was folded over onto itself and placed in the bottom of the collection area created behind the berm to prevent leakage and a fence was constructed to identify the area and provide notice for visitors. Following the completion of the temporary berm, all water leaking to the RDA was prevented from migration to the GSP Swale and was pumped to and stored onsite in temporary storage tanks.

ERM and GSP personnel have inspected the RDA to monitor flow and confirm that water seepage is collected on a 24-hour per day basis since the initial berm was constructed 16 May 2005. During this time there has not been any breach of the berm.

Upon receipt of laboratory data that suggested that the BSS water was affected with metals, EPS under the direction of ERM and with concurrence from the NYSDEC, immediately mobilized two 3,000-gallon vacuum trucks to collect the affected water. The affected water was transported to temporary storage tanks on the GSP facility prior to pretreatment and discharge to Onondaga County WEP under special written authorization. All standing water was removed from the BSS.

At this time, ERM is communicating with the NYSDEC on a nearly daily basis, continuing to monitor the RDA, and is preparing work plans to

Mr. Kevin Kemp, P.E.
Source and Abatement report
23 June 2005
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conduct a sub-slab investigation at the facility and to address metals affected soil beneath the GSP facility and in the GSP Swale.

Please contact the ERM office at 315-445-2554 or ed.hinchey@erm.com if you have any questions, comments or need additional information.

Sincerely,

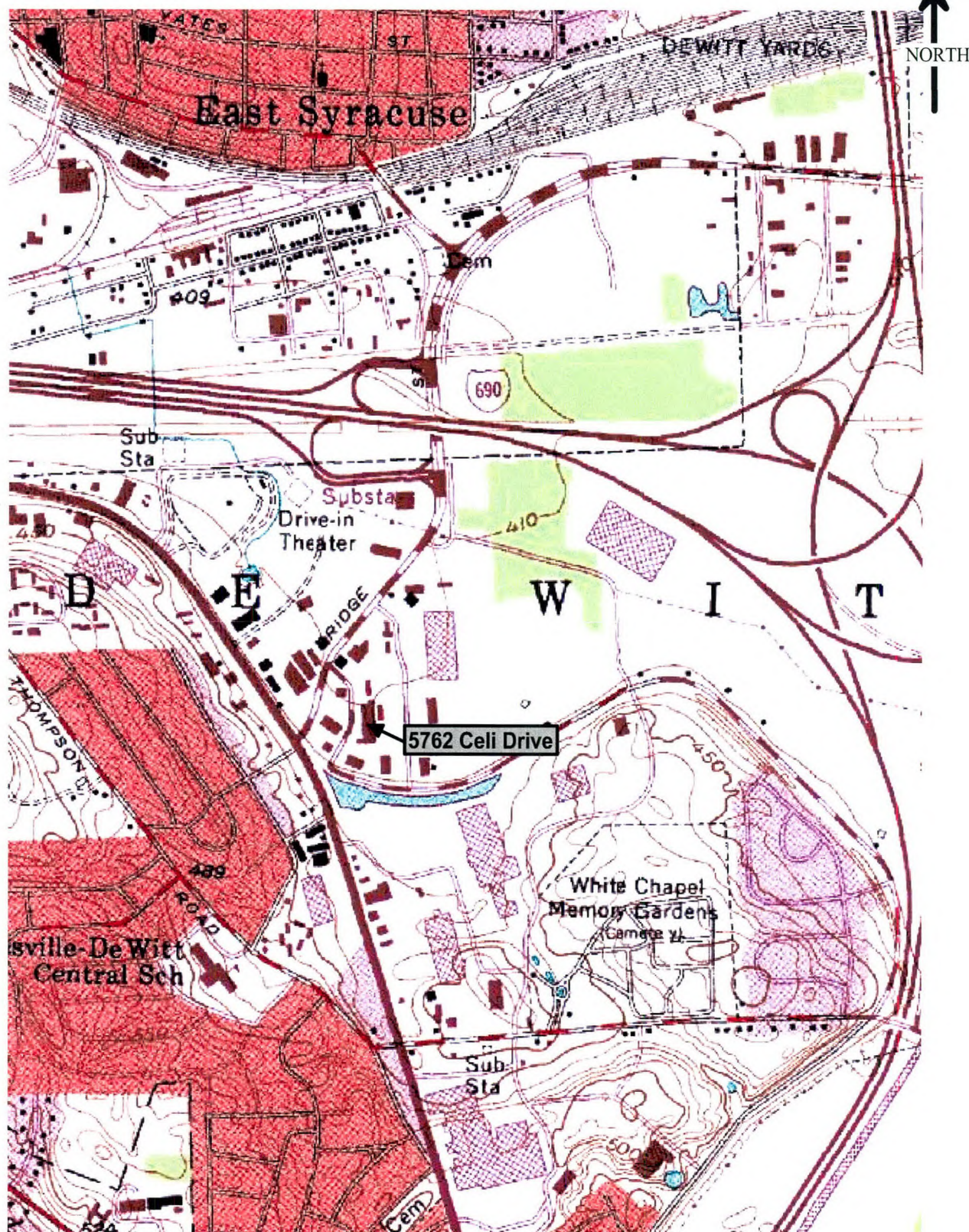
A handwritten signature in black ink, appearing to read 'E. Hinchey', with a long horizontal flourish extending to the right.

Edward Hinchey, P.G.
Partner In Charge

Attachments

C: Woody Southwell - GSP
Doreen Simmons - Hancock & Estabrook

Figures



SITE LOCATION MAP

PREPARED FOR Hancock & Estabrook, LLP



ERM

SCALE
1" = 2000'

DATE
June 2005

FIGURE

1

Route 690 Offramp

NORTH

Bridge Street Swale (BSS)

West Branch

Bridge Street

GSP
5762 Celi Drive

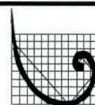
GSP Swale

Former Agway Facility

NIMO

SITE LAYOUT MAP

PREPARED FOR: Hancock & Estabrook, LLP



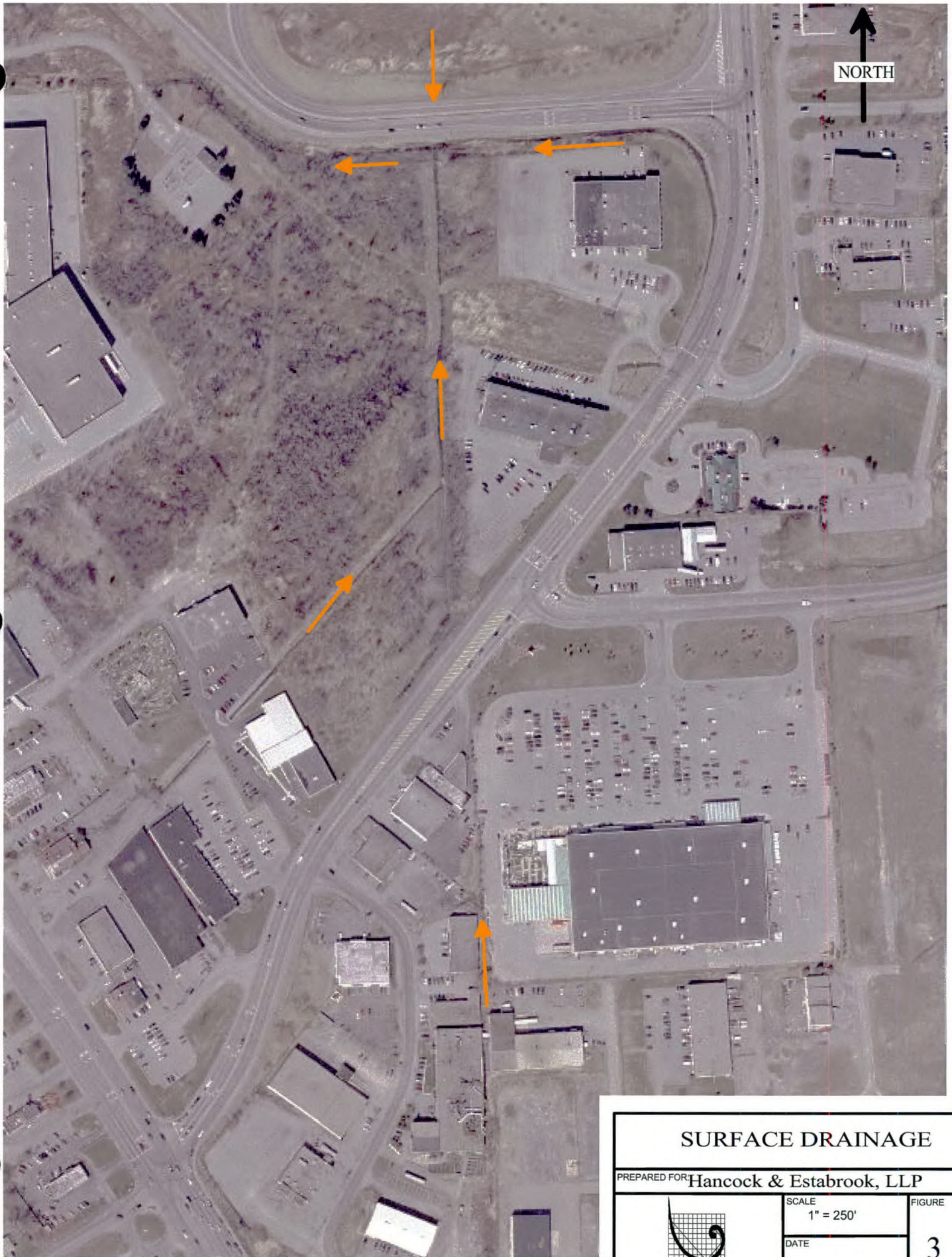
ERM

SCALE
1" = 250'

DATE
June 2005

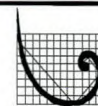
FIGURE

2



SURFACE DRAINAGE

PREPARED FOR Hancock & Estabrook, LLP



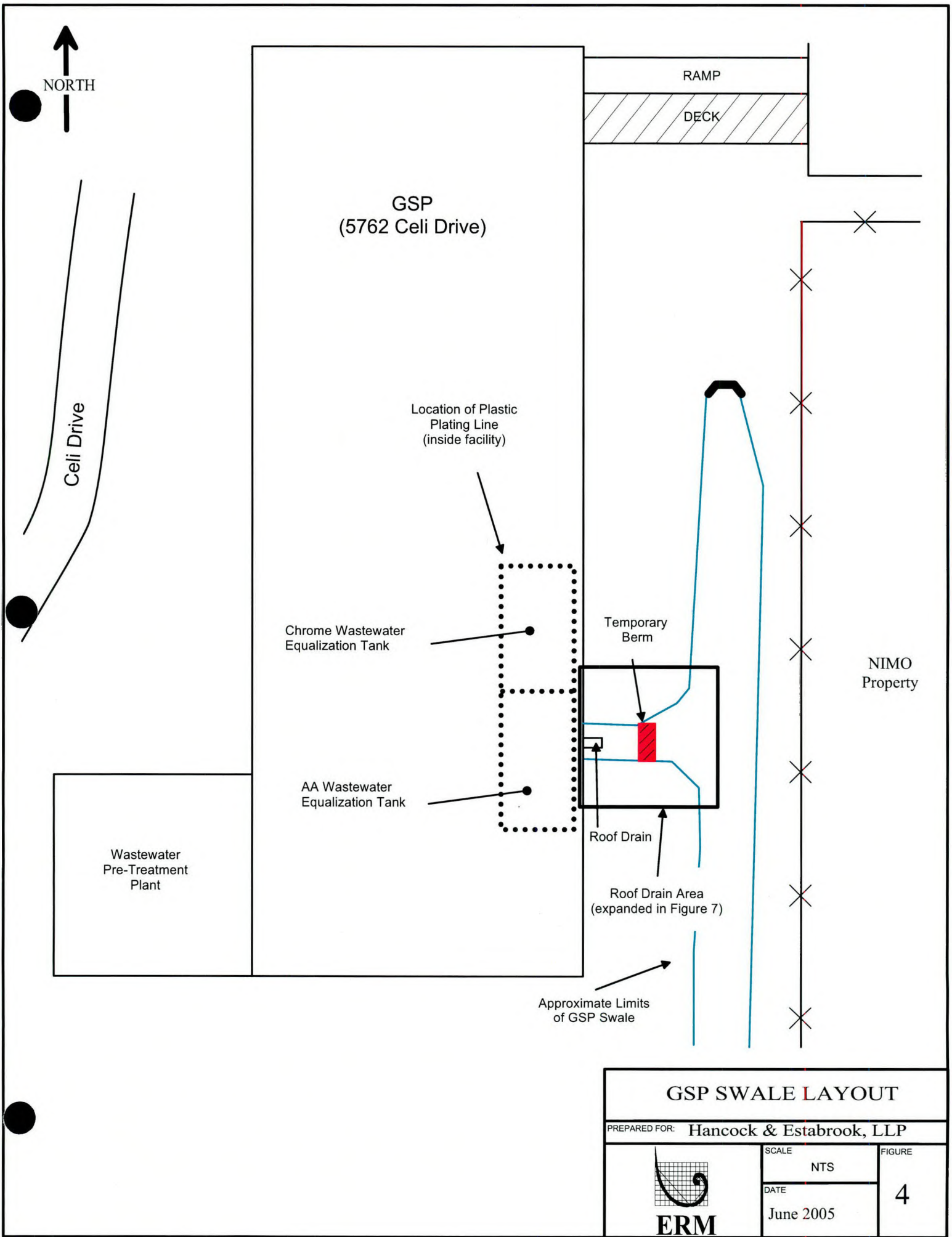
ERM

SCALE
1" = 250'

DATE
June 2005

FIGURE

3



GSP SWALE LAYOUT

PREPARED FOR: Hancock & Estabrook, LLP



ERM

SCALE

NTS

DATE

June 2005

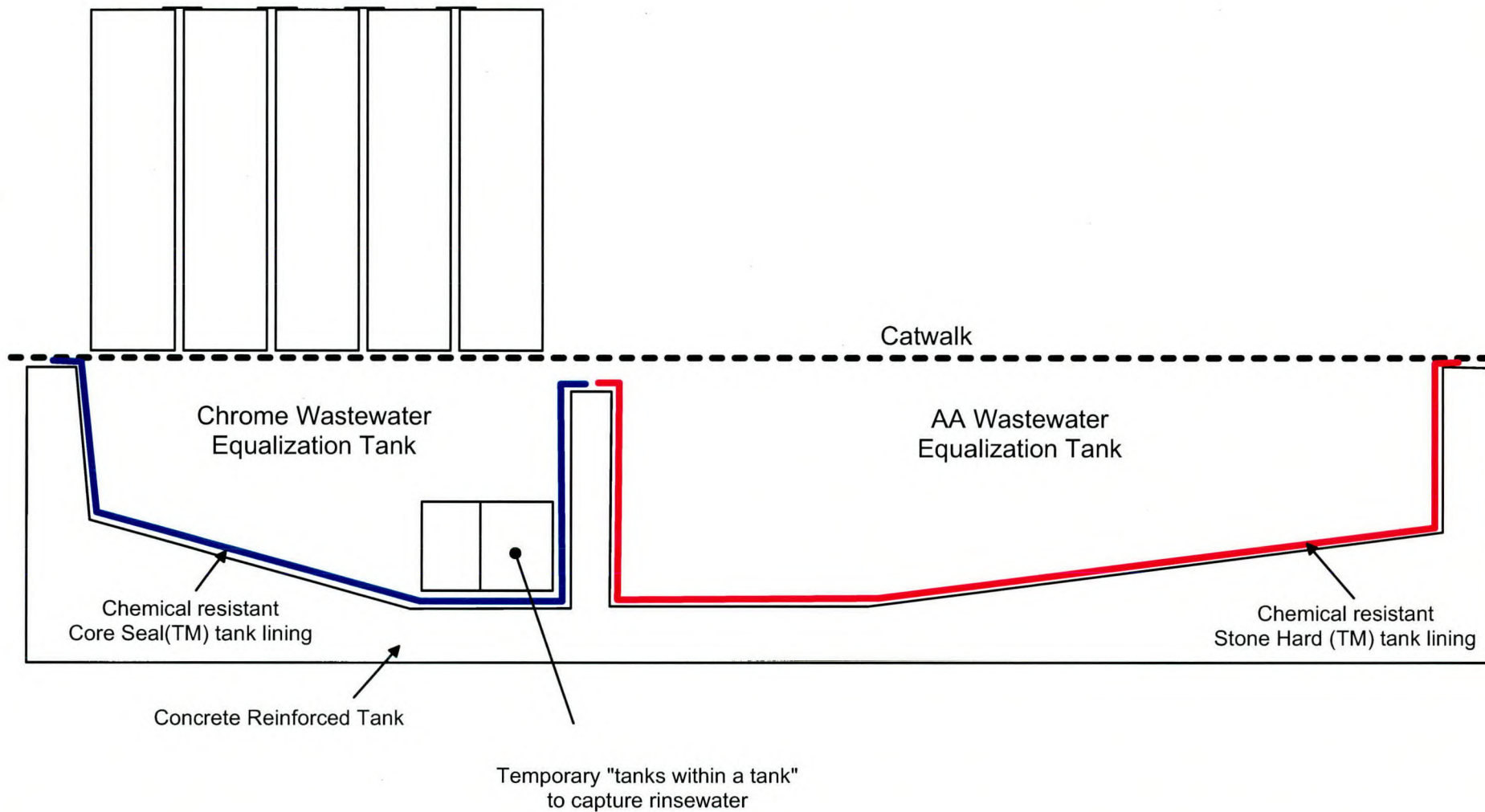
FIGURE

4

North

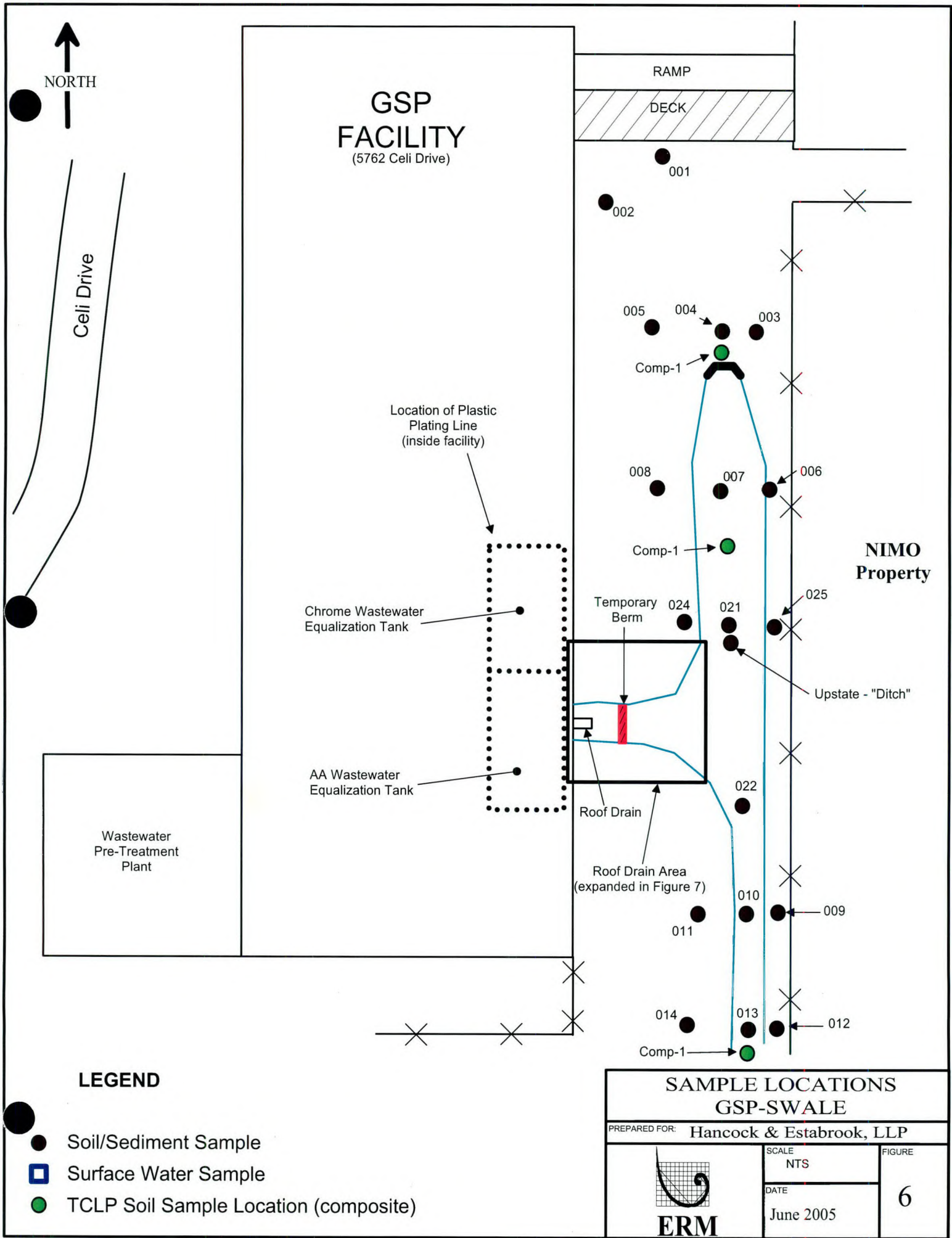
South

Plastic Plating Line "Dip" Tanks (typ.)



NOTE: All Waste water is pumped overhead to treatment system

CROSS-SECTION OF EQUALIZATION TANKS		
PREPARED FOR: Hancock & Estabrook, LLP		
 ERM	SCALE NTS	FIGURE 5
	DATE June 2005	





GSP Facility
(5762 Celi Drive)

Upstate - "Drain Point"

GSP-CON-003

Comp-2

Roof Drain

Comp-2

GSP-CON-001

Comp-2

GSP-CON-001A

GSP-2 GSP-1

GSP-CON-002

Temporary
Berm

LEGEND

- Soil/Sediment Sample
- Surface Water Sample
- TCLP Soil Sample Location

SAMPLE LOCATIONS Roof Drain Area

PREPARED FOR: Hancock & Estabrook, LLP



ERM

SCALE

NTS

DATE

June 2005

FIGURE

7

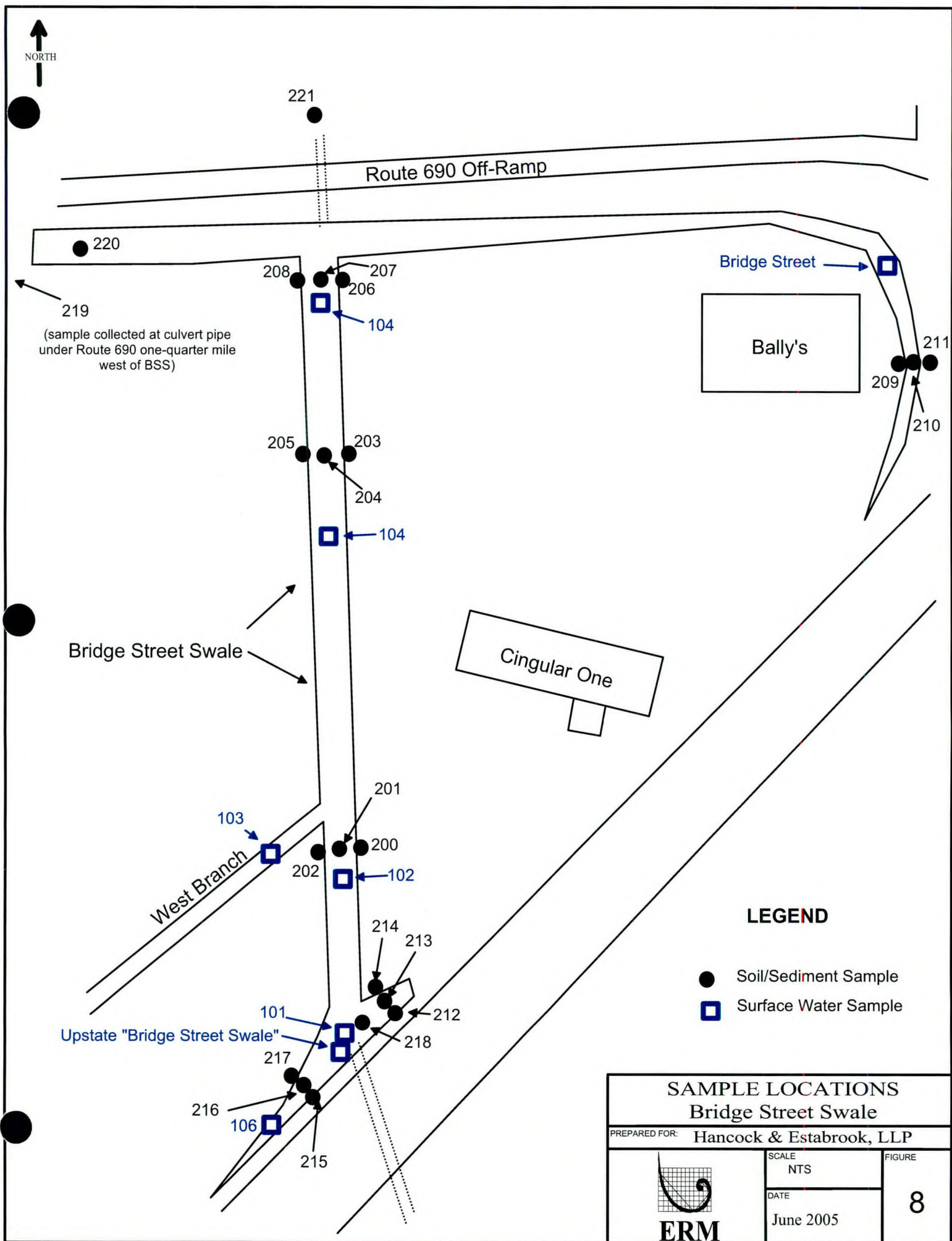


TABLE 1
Summary of Analytical Data - Soil/Water
Roof Drain Area
General Super Plating Company
NYSDEC Spill No.: 0550288
ERM Project No.: 0032572

Sample ID/Location Matrix Date Sampled	Guidance NYSDEC TAGM #4046	* GSP-1 soil 5/10/2005
Metals (mg/Kg)		
Cadmium	1	ND
Total Chromium	10	1900.0
Copper	25	1500.0
Lead	SB	22.0
Nickel	13	210.0
Silver	SB	ND
Zinc	20	35

Sample ID/Location Matrix Date Sampled	Standard NYSDEC TOGS 1.1.1	* GSP-2 water 5/10/2005
Metals (mg/L)		
Cadmium	0.005	ND
Total Chromium	0.05	26.0
Copper	0.2	110.0
Lead	0.05	ND
Nickel	0.1	110.0
Silver	0.05	ND
** Zinc	2	0.68

Notes:

Exceedances of Standard is shown in **Bold**

* = Samples Collected by GSP on 10 May 2005

** = Guidance Value

SB = Site Background

ND = Not Detected

TABLE 2
Summary of Analytical Data - Soil/Water
General Super Plating Company
NYSDEC Spill No.: 0550288
ERM Project No.: 0032572

Sample ID/Location Matrix Date Sampled	Standard Water TOGS 1.1.1	* Bridge Street Swale Water 5/18/2005	* Drain Point Water 5/18/2005
PCB (mg/L)	*** 0.005	ND	ND
Metals (mg/L)			
Arsenic	0.05	ND	ND
Barium	1.00	ND	ND
Cadmium	0.01	ND	ND
Total Chromium	0.05	6.4	55.0
Copper	0.20	23.0	ND
Lead	0.05	ND	ND
Nickel	0.10	12.0	120.0
Selenium	0.01	ND	ND
Silver	0.05	ND	ND
Zinc	2.00	0.12	0.18
Mercury (mg/Kg)	0.0007	ND	ND
** TCL-SVOC (ug/L)			
Benzo(b)fluoranthene	0.002	ND	ND
Bis(2-ethylhexyl)phthalate	0.05	ND	ND
Fluoranthene	*** 0.05	ND	ND
** TCL VOC (ug/L)			
Acetone		62	100
Methylene Chloride		ND	ND
Ignitability	NA	>60	>60
pH	NA	6.6	2.4
Total Cyanide (mg/L)	0.20	ND	ND
Reactive Cyanide (mg/L)	NA	ND	ND
ReactiveSulfide (mg/L)	NA	ND	ND
Hexavalent Chrome (mg/L)	0.05	MI	57.0

Sample ID/Location Matrix Date Sampled	Guidance Solid TAGM #4046	* Drain Point (solid) Solid 5/18/2005	* Ditch Solid 5/18/2005
PCB (mg/Kg)	1/10	ND	ND
Metals (mg/Kg)			
Arsenic	7.5 or SB	ND	ND
Barium	300 or SB	ND	ND
Cadmium	1 or SB	3.1	4.7
Total Chromium	10 or SB	1200.0	4100.0
Copper	25 or SB	2700.0	7200.0
Lead	SB	29.0	83.0
Nickel	13 or SB	390.0	1500.0
Selenium	2 or SB	4.7	3.5
Silver	SB	ND	ND
Zinc	20 or SB	69	170
Mercury (mg/Kg)	0.1	ND	ND
** TCL-SVOC (ug/Kg)			
Benzo(b)fluoranthene	1.1	ND	740.0
Bis(2-ethylhexyl)phthalate	50	1200.0	ND
Fluoranthene	50	ND	790.0
** TCL VOC (ug/Kg)			
Acetone	0.2	160	82
Methylene Chloride	0.1	3.9	6.8
Ignitability	NA	>60	>60
pH	NA	5.19	5.4
Total Cyanide (mg/Kg)	NS	3.95	8.23
Reactive Cyanide (mg/Kg)	NS	ND	ND
ReactiveSulfide (mg/Kg)	NS	ND	ND
Hexavalent Chrome (mg/Kg)	NS	110.0	140.0

Notes:

Exceedances of Standard is shown in **Bold**

* = collected by Upstate Laboratory personnel

** = full TCL scan completed, detected compounds only reported

*** = Guidance Value

NA = Not Applicable

ND = Not Detected

MI = Matrix Interference prevented quantification

SB = Site Background

mg/kg = milligram/kilogram

mg/L = milligram/liter

TABLE 3

*Summary of Analytical Data - Surface Water**Bridge Street Swale Area**General Super Plating Company**NYSDEC Spill No.: 0550288**ERM Project No.: 0032572*

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TOGS 1.1.1	Swale-101 -- 6/2/2005	BSS-Swale-01 -- 6/9/2005	Swale-102 -- 6/2/2005	BSS-Swale-02 -- 6/9/2005	Swale-103 -- 6/2/2005	BSS-Swale-03 -- 6/9/2005	Swale-104 -- 6/2/2005	BSS-Swale-04 -- 6/9/2005
Metals (mg/L)									
Total Chromium	0.05	0.542	0.650	0.342	0.627	ND	ND	0.036	0.239
Hexavalent Chromium	0.011	NA	0.430	NA	0.630	NA	ND	NA	0.059
Copper	0.2	1.24	1.69	1.76	0.74	ND	ND	0.122	0.866
Nickel	0.1	0.661	0.448	0.603	0.672	ND	ND	0.04	0.141
Zinc	** 2.0	NA	0.115	NA	0.071	NA	ND	NA	0.12
Inorganics (mg/L)									
Total Cyanide	0.2	ND	ND	ND	ND	ND	ND	ND	0.0104

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TOGS 1.1.1	Swale-105 -- 6/2/2005	BSS-Swale-05 -- 6/9/2005	BSS-Swale-06 -- 6/9/2005	Large Culver -- 5/24/2005	Bridge Street -- 6/1/2005	* Swale-106 Dupe of 102 6/2/2005	BSS - Dupe Dupe of 01 6/9/2005	
Metals (mg/L)									
Total Chromium	0.05	0.636	0.0496	0.0782	0.257	0.019	0.367	0.419	
Hexavalent Chromium	0.011	NA	0.009	ND	NA	NA	NA	0.45	
Copper	0.2	1.63	0.25	0.677	0.997	0.0388	1.92	0.533	
Nickel	0.1	0.962	0.0872	0.406	0.525	0.0064	0.648	0.402	
Zinc	** 2.0	NA	ND	0.0288	NA	NA	NA	0.0702	
Inorganics (mg/L)									
Total Cyanide	0.2	ND	ND	ND	NA	0.012	ND	ND	

Notes:Exceedances of Standard is shown in **Bold**

* = Duplicate of Swale-102 on 2 June 2005

** 2.0 = Guidance Value, not a standard

NA = not analyzed

ND = the compound was not detected at a concentration above the reported method detection limit

mg/L = miligram/liter

TOGS 1.1.1 = NYSDEC Ambient Water Quality Standards and Guidance Values

TABLE 4a (Continued)

Sample Location	Standard	GSP-013	GSP-013	GSP-014	GSP-014	GSP-Dupe1
Sample Depth (ft.)	NYSDEC	6"-8"	16"-18"	6"-8"	16"-18"	6"-8"
Date Sampled	TAGM #4046	5/27/2005	5/27/2005	5/27/2005	5/27/2005	5/27/2005
Metals (mg/kg)						
Total Chromium	10	868	768	334	309	687
Copper	25	1,310	1,830	246	325	63.4
Nickel	13	967	1,240	1,060	845	106
Inorganics (mg/kg)						
Total Cyanide	NS	ND	ND	NA	NA	NA

Notes:

Exceedances of Standard is shown in **Bold**

NS = no standard

NA = not analyzed

ND = the compound was not detected at a concentration above the reported method detection limit

mg/kg = miligram/kilogram

TAGM #4046 = NYSDEC TAGM No. 4046

TABLE 4a
Summary of Analytical Data - Soil
GSP Swale Area
General Super Plating Company
NYSDEC Spill No.: 0550288
ERM Project No.: 0032572

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TAGM #4046	GSP-001 6"-8" 5/27/2005	GSP-001 16"-18" 5/27/2005	GSP-002 6"-8" 5/27/2005	GSP-002 16"-18" 5/27/2005	GSP-003 6"-8" 5/27/2005	GSP-003 16"-18" 5/27/2005	GSP-004 6"-8" 5/27/2005	GSP-004 16"-18" 5/27/2005
Metals (mg/kg)									
Total Chromium	10	555	89.4	1,100	574	104	324	3,450	1,580
Copper	25	217	59.1	123	65.5	48.9	54.2	163	56.5
Nickel	13	2,400	307	546	74.8	51.1	44.7	2,180	419
Inorganics (mg/kg)									
Total Cyanide	NS	NA	NA	78.5	5.99	NA	NA	903	17.6

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TAGM #4046	GSP-005 6"-8" 5/27/2005	GSP-005 16"-18" 5/27/2005	GSP-006 6"-8" 5/27/2005	GSP-006 16"-18" 5/27/2005	GSP-007 6"-8" 5/27/2005	GSP-007 16"-18" 5/27/2005	GSP-008 6"-8" 5/27/2005	GSP-008 16"-18" 5/27/2005
Metals (mg/kg)									
Total Chromium	10	605	430	85.8	149	3,560	1,350	534	199
Copper	25	63.7	20.3	114	635	9,280	1,940	192	95.5
Nickel	13	621	252	447	709	2,130	1,740	220	118
Inorganics (mg/kg)									
Total Cyanide	NS	NA	NA	NA	NA	2.5	ND	NA	NA

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TAGM #4046	GSP-009 6"-8" 5/27/2005	GSP-009 16"-18" 5/27/2005	GSP-010 6"-8" 5/27/2005	GSP-010 16"-18" 5/27/2005	GSP-011 6"-8" 5/27/2005	GSP-011 16"-18" 5/27/2005	GSP-012 6"-8" 5/27/2005	GSP-012 16"-18" 5/27/2005
Metals (mg/kg)									
Total Chromium	10	53	52.2	3,830	2,700	61.6	66.7	720	1,350
Copper	25	93.6	111	11,900	13,000	108	154	210	672
Nickel	13	91.9	277	3,720	2,440	85	84.4	176	376
Inorganics (mg/kg)									
Total Cyanide	NS	NA	NA	ND	ND	NA	NA	NA	NA

Notes:
Exceedances of Standard is shown in **Bold**
NS = no standard
NA = not analyzed
ND = the compound was not detected at a concentration above the reported method detection limit
mg/kg = miligram/kilogram
TAGM #4046 = NYSDEC TAGM No. 4046

TABLE 4 (Continued)

Sample Location	Standard	GSP-214	GSP-215	GSP-215	GSP-216	GSP-217	GSP-217	GSP-218	GSP-219
Sample Depth (ft.)	NYSDEC	12"-16"	3"-6"	13"-16"	3"-6"	3"-6"	13"-16"	3"-6"	3"-6"
Date Sampled	TAGM #4046	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Metals (mg/kg)									
Total Chromium	10	74.3	10.8	6.7	731.0	20.1	26.7	321.0	14.8
Copper	25	149.0	109.0	15.5	7170.0	42.7	66.8	1150.0	36.6
Nickel	13	99.8	13.7	9.4	2330.0	41.5	51.6	412.0	22.0
Inorganics (mg/kg)									
Total Cyanide	NS	ND	ND	ND	ND	ND	ND	4.13	ND

Sample Location	Standard	GSP-220	GSP-221						
Sample Depth (ft.)	NYSDEC	3"-6"	3"-6"						
Date Sampled	TAGM #4046	6/3/2005	6/3/2005						
Metals (mg/kg)									
Total Chromium	10	465.0	69.0						
Copper	25	547.0	207.0						
Nickel	13	190.0	78.5						
Inorganics (mg/kg)									
Total Cyanide	NS	ND	ND						

Notes:

Exceedances of Standard is shown in **Bold**

NS = no standard

NA = not analyzed

ND = the compound was not detected at a concentration above the reported method detection limit

mg/kg = miligram/kilogram

TAGM #4046 = NYSDEC TAGM No. 4046

TABLE 4
Summary of Analytical Data - Soil
Bridge Street Swale Area
General Super Plating Company
NYSDEC Spill No.: 0550288
ERM Project No.: 0032572

Sample Location	Standard	GSP-200	GSP-200	GSP-201	GSP-202	GSP-202	GSP-203	GSP-203	GSP-204
Sample Depth (ft.)	NYSDEC	3"-6"	13"-16"	3"-6"	3"-6"	13"-16"	3"-6"	13"-16"	3"-6"
Date Sampled	TAGM #4046	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Metals (mg/kg)									
Total Chromium	10	174.0	59.0	118.0	363.0	251.0	29.5	58.0	137.0
Copper	25	227.0	162.0	311.0	384.0	318.0	83.0	121.0	450.0
Nickel	13	175.0	76.0	127.0	244.0	225.0	22.0	40.9	219.0
Inorganics (mg/kg)	*								
Total Cyanide	NS	ND	ND	ND	4.53	4.32	ND	ND	ND

Sample Location	Standard	GSP-205	GSP-205	GSP-206	GSP-206	GSP-207	GSP-208	GSP-208	GSP-209
Sample Depth (ft.)	NYSDEC	3"-6"	13"-16"	3"-6"	13"-16"	3"-6"	3"-6"	13"-16"	3"-6"
Date Sampled	TAGM #4046	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Metals (mg/kg)									
Total Chromium	10	17.2	17.1	15.1	17.0	21.7	31.6	16.2	8.1
Copper	25	22.9	23.8	41.7	47.5	38.4	112.0	27.6	10.7
Nickel	13	18.8	17.6	28.8	32.3	19.8	96.4	28.8	11.2
Inorganics (mg/kg)									
Total Cyanide	NS	1.34	2.41	ND	ND	1.93	1.74	ND	ND

Sample Location	Standard	GSP-209	GSP-210	GSP-211 *	GSP-211	GSP-212	GSP-212	GSP-213	GSP-214
Sample Depth (ft.)	NYSDEC	13"-16"	3"-6"	3"-6"	13"-16"	3"-6"	13"-16"	6"-12"	3"-6"
Date Sampled	TAGM #4046	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005	6/3/2005
Metals (mg/kg)									
Total Chromium	10	6.7	11.8	12.9	11.4	36.3	17.3	966.0	257.0
Copper	25	10.3	23.4	16.7	19.4	185.0	105.0	4350.0	763.0
Nickel	13	10.3	14.2	13.2	12.9	25.0	13.5	927.0	262.0
Inorganics (mg/kg)									
Total Cyanide	NS	ND	ND	ND	ND	ND	ND	2.66	ND

Notes:

Exceedances of Standard is shown in **Bold**

* = Laboratory Report misprinted sample identification as GSP-21(3"-6")

NS = no standard

NA = not analyzed

ND = the compound was not detected at a concentration above the reported method detection limit

mg/kg = miligram/kilogram

TAGM #4046 = NYSDEC TAGM No. 4046

TABLE 5

*Summary of Analytical Data - TCLP Soil**GSP Swale Area**General Super Plating Company**NYSDEC Spill No.: 0550288**ERM Project No.: 0032572*

Sample Location Sample Depth (ft.) Date Sampled	Standard USEPA SW-846	GSP-COMP1(1) 1 5/27/2005	GSP-COMP2(1) 1 5/27/2005	* GSP-DUPE2 1 5/27/2005
TCLP Metals (mg/L)				
Total Chromium	5	0.452	0.696	0.89
Copper	NS	0.722	33.2	33.4
Nickel	NS	3.28	9.04	8.19
Inorganics (mg/L)				
TCLP Cyanide	NS	ND	ND	NA

TABLE 5a

*Summary of Analytical Data - VOC Soil**GSP Swale Area**General Super Plating Company**NYSDEC Spill No.: 0550288**ERM Project No.: 0032572*

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TAGM 4046	GSP-020@4' 4' 5/31/2005	GSP-021@6"-1' 6"-1' 5/31/2005	GSP-022@6"-1' 6"-1' 5/31/2005	*** GSP-023(DUPE) 6"-1' 5/31/2005	GSP-024@6"-1' 6"-1' 5/31/2005	GSP-025@6"-1' 6"-1' 5/31/2005
** VOCs (ug/kg)							
2-Chlorotoluene	NS	ND	188	ND	186	NA	NA
Inorganics (mg/kg)							
Total Cyanide	0.2	NA	NA	NA	NA	ND	ND

Notes:Exceedances of Standard is shown in **Bold**

* = duplicate sample collected from GSP-Comp-2

** = samples were analyzed for the full list of VOCs, only detected compounds presented

*** = duplicate sample collected from GSP-021@ 6"-1'

NS = no standard

NA = not analyzed

ND = the compound was not detected at a concentration above the reported method detection limit

mg/L = milligram/liter

TOGS 1.1.1 = NYSDEC Ambient Water Quality Standards and Guidance Values

Appendices

COPY

Date: 17-May-05

Lab Order: U0505174

Collection Date: 5/10/2005 2:45:00 PM

Matrix: WATER

Analyst: LJ

Collection Date: 5/10/2005 2:50:00 PM

Matrix: SLUDGE

Analyst: LJ

Analyst: TMC

Percent Moisture	30.8	0.00100	wt%	1	5/12/2005
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Date: _____

Page 1 of 1

** Value exceeds Maximum Contaminant Value
 F Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209****Mailing: Box 289 * Syracuse, NY 13206**

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533

Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

**To: ED HINCHEY, ERM
445-2543**

Mr. John Jodoin

General Super Plating Co., Inc.

5762 Celi Dr.

E. Syracuse, NY 13057

AND**WOODY SOUTHWELL
446-4419**

Monday, May 23, 2005

RE: DEC Spill

Order No.: U0505302

Dear Mr. John Jodoin:

Upstate Laboratories, Inc. received 4 sample(s) on 5/18/05 for the analyses presented in the following report.

This is a preliminary report that contains incomplete data or data that has not been fully validated. Caution should be exercised in the use of any data presented as final reported results may not reflect the values presented.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

TONY SCALA
(PFF)

Upstate Laboratories, Inc.

Date: 23-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT						
		SW8062		(SW3510B)		Analyst: ADM
Aroclor 1016	ND	0.050		µg/L	1	5/23/05
Aroclor 1221	ND	0.050		µg/L	1	5/23/05
Aroclor 1232	ND	0.050		µg/L	1	5/23/05
Aroclor 1242	ND	0.050		µg/L	1	5/23/05
Aroclor 1248	ND	0.050		µg/L	1	5/23/05
Aroclor 1254	ND	0.050		µg/L	1	5/23/05
Aroclor 1260	ND	0.050		µg/L	1	5/23/05
ICP METALS, TOTALS						
		E200.7		(E200.7)		Analyst: LJ
Arsenic*	ND	0.10		mg/L	10	5/23/05 3:08:55 PM
Barium	ND	3.0		mg/L	10	5/23/05 3:08:55 PM
Cadmium	ND	0.050		mg/L	10	5/23/05 3:08:55 PM
Chromium	55	0.50		mg/L	10	5/23/05 3:08:55 PM
Copper	ND	0.20		mg/L	10	5/23/05 3:08:55 PM
Lead	ND	1.0		mg/L	10	5/23/05 3:08:55 PM
Nickel	120	0.30		mg/L	10	5/23/05 3:08:55 PM
Selenium*	ND	0.050		mg/L	10	5/23/05 3:08:55 PM
Silver	ND	0.50		mg/L	10	5/23/05 3:08:55 PM
Zinc	0.18	0.10		mg/L	10	5/23/05 3:08:55 PM
TOTAL MERCURY WATERS						
		E245.2		(E245.2)		Analyst: AB
Mercury	ND	0.0004		mg/L	1	5/23/05
TCL-SEMIVOLATILE ORGANICS						
		SW8270C		(SW3510)		Analyst: ADM
(3+4)-Methylphenol	ND	50		µg/L	10	5/23/05
1,2,4-Trichlorobenzene	ND	50		µg/L	10	5/23/05
1,2-Dichlorobenzene	ND	50		µg/L	10	5/23/05
1,3-Dichlorobenzene	ND	50		µg/L	10	5/23/05
1,4-Dichlorobenzene	ND	50		µg/L	10	5/23/05
2,4,5-Trichlorophenol	ND	50		µg/L	10	5/23/05
2,4,6-Trichlorophenol	ND	50		µg/L	10	5/23/05
2,4-Dichlorophenol	ND	50		µg/L	10	5/23/05
2,4-Dimethylphenol	ND	50		µg/L	10	5/23/05
2,4-Dinitrophenol	ND	500		µg/L	10	5/23/05
2,4-Dinitrotoluene	ND	50		µg/L	10	5/23/05
2,6-Dinitrotoluene	ND	50		µg/L	10	5/23/05
2-Chloronaphthalene	ND	50		µg/L	10	5/23/05
2-Chlorophenol	ND	50		µg/L	10	5/23/05
2-Methylnaphthalene	ND	50		µg/L	10	5/23/05
2-Methylphenol	ND	50		µg/L	10	5/23/05

Approved By: PFF

Date: 5-23-05

Page 2 of 7

Qualifiers: * Low Level

D Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 23-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: ADM
2-Nitroaniline	ND	500		µg/L	10	5/23/05
2-Nitrophenol	ND	50		µg/L	10	5/23/05
3,3'-Dichlorobenzidine	ND	50		µg/L	10	5/23/05
3-Nitroaniline	ND	500		µg/L	10	5/23/05
4,6-Dinitro-2-methylphenol	ND	500		µg/L	10	5/23/05
4-Bromophenyl phenyl ether	ND	50		µg/L	10	5/23/05
4-Chloro-3-methylphenol	ND	50		µg/L	10	5/23/05
4-Chloroaniline	ND	50		µg/L	10	5/23/05
4-Chlorophenyl phenyl ether	ND	50		µg/L	10	5/23/05
4-Nitroaniline	ND	500		µg/L	10	5/23/05
4-Nitrophenol	ND	500		µg/L	10	5/23/05
Acenaphthene	ND	50		µg/L	10	5/23/05
Acenaphthylene	ND	50		µg/L	10	5/23/05
Anthracene	ND	50		µg/L	10	5/23/05
Benzo(a)anthracene	ND	50		µg/L	10	5/23/05
Benzo(a)pyrene	ND	50		µg/L	10	5/23/05
Benzo(b)fluoranthene	ND	50		µg/L	10	5/23/05
Benzo(g,h,i)perylene	ND	50		µg/L	10	5/23/05
Benzo(k)fluoranthene	ND	50		µg/L	10	5/23/05
Di(2-chloroethoxy)methane	ND	50		µg/L	10	5/23/05
Di(2-chloroethyl)ether	ND	50		µg/L	10	5/23/05
Bis(2-chloroisopropyl)ether	ND	50		µg/L	10	5/23/05
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	10	5/23/05
Butyl benzyl phthalate	ND	50		µg/L	10	5/23/05
Carbazole	ND	50		µg/L	10	5/23/05
Chrysene	ND	50		µg/L	10	5/23/05
Di-n-butyl phthalate	ND	50		µg/L	10	5/23/05
Di-n-octyl phthalate	ND	50		µg/L	10	5/23/05
Dibenz(a,h)anthracene	ND	50		µg/L	10	5/23/05
Dibenzofuran	ND	50		µg/L	10	5/23/05
Diethyl phthalate	ND	50		µg/L	10	5/23/05
Dimethyl phthalate	ND	50		µg/L	10	5/23/05
Fluoranthene	ND	50		µg/L	10	5/23/05
Fluorene	ND	50		µg/L	10	5/23/05
Hexachlorobenzene	ND	50		µg/L	10	5/23/05
Hexachlorobutadiene	ND	50		µg/L	10	5/23/05
Hexachlorocyclopentadiene	ND	50		µg/L	10	5/23/05
Hexachloroethane	ND	50		µg/L	10	5/23/05
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	10	5/23/05

Approved By: PFF

Date: 5-23-05

Page 3 of 7

Qualifiers: *

Low Level

N Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 23-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: ADM
Isophorone	ND	50		µg/L	10	5/23/05
N-Nitrosodipropylamine	ND	50		µg/L	10	5/23/05
N-Nitrosodiphenylamine	ND	50		µg/L	10	5/23/05
Naphthalene	ND	50		µg/L	10	5/23/05
Nitrobenzene	ND	50		µg/L	10	5/23/05
Pentachlorophenol	ND	100		µg/L	10	5/23/05
Phenanthrene	ND	50		µg/L	10	5/23/05
Phenol	ND	50		µg/L	10	5/23/05
Pyrene	ND	50		µg/L	10	5/23/05
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
1,1,1-Trichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1,2,2-Tetrachloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1,2-Trichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1-Dichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,2-Dichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,2-Dichloropropane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
2-Butanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
2-Hexanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
4-Methyl-2-pentanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
Acetone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
Benzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Bromodichloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Bromoform	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Bromomethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Carbon disulfide	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Carbon tetrachloride	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chlorobenzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloroform	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
cis-1,2-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
cis-1,3-Dichloropropene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Dibromochloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Ethylbenzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
m,p-Xylene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Methylene chloride	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
o-Xylene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM

Approved By: PFF

Date: 5-23-05

Page 4 of 7

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 23-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS						
		SW8260B				Analyst: RS
Styrene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Tetrachloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Toluene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
trans-1,2-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
trans-1,3-Dichloropropene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Trichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Vinyl chloride	ND	200	PL	µg/L	100	5/20/05 6:50:00 PM
IGNITABILITY						
Ignitability	>60	SW1010		°C	1	Analyst: MM 5/20/05
LABORATORY HYDROGEN ION (PH)						
pH	2.40	E150.1		SU	1	Analyst: TC 5/23/05
CYANIDE, TOTAL						
Cyanide	ND	E335.2		(E335.2) mg/L	1	Analyst: SL 5/23/05
CYANIDE, REACTIVE						
Cyanide, Reactive	ND	SW7.3.3.2		mg/Kg	1	Analyst: EL 5/20/05
SULFIDE, REACTIVE						
Sulfide, Reactive	ND	SW7.3.4.2		mg/Kg	1	Analyst: EL 5/20/05
HEXAVALENT CHROMIUM						
Hexavalent chromium	57	SM3500		mg/L	100	Analyst: E L 5/19/05

Approved By:

PFE

Date: 5-23-05

Page 5 of 7

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- II Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Bridge St Swale

Lab Order: U0505302

Collection Date: 5/18/05 12:00:00 PM

Project: DEC Spill

Lab ID: U0505302-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	5/23/05
Aroclor 1221	ND	0.050		µg/L	1	5/23/05
Aroclor 1232	ND	0.050		µg/L	1	5/23/05
Aroclor 1242	ND	0.050		µg/L	1	5/23/05
Aroclor 1248	ND	0.050		µg/L	1	5/23/05
Aroclor 1254	ND	0.050		µg/L	1	5/23/05
Aroclor 1260	ND	0.050		µg/L	1	5/23/05
ICP METALS, TOTALS		E200.7		(E200.7)		Analyst: LJ
Arsenic*	ND	0.010		mg/L	1	5/23/05 3:05:11 PM
Barium	ND	0.30		mg/L	1	5/23/05 3:05:11 PM
Cadmium	ND	0.005		mg/L	1	5/23/05 3:05:11 PM
Chromium	6.4	0.050		mg/L	1	5/23/05 3:05:11 PM
Copper	23	0.020		mg/L	1	5/23/05 3:05:11 PM
Lead	ND	0.10		mg/L	1	5/23/05 3:05:11 PM
Nickel	12	0.030		mg/L	1	5/23/05 3:05:11 PM
Selenium*	ND	0.005		mg/L	1	5/23/05 3:05:11 PM
Silver	ND	0.050		mg/L	1	5/23/05 3:05:11 PM
Zinc	0.12	0.010		mg/L	1	5/23/05 3:05:11 PM
TOTAL MERCURY WATERS		E245.2		(E245.2)		Analyst: KP
Mercury	ND	0.0004		mg/L	1	5/24/05 12:58:34 PM
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
(3+4)-Methylphenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	5/24/05 6:14:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
2-Methylphenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-001

Client Sample ID: Bridge St Swale
Collection Date: 5/18/05 12:00:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
2-Nitroaniline	ND	50		µg/L	1	5/24/05 6:14:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
3-Nitroaniline	ND	50		µg/L	1	5/24/05 6:14:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	5/24/05 6:14:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
4-Nitroaniline	ND	50		µg/L	1	5/24/05 6:14:00 PM
4-Nitrophenol	ND	50		µg/L	1	5/24/05 6:14:00 PM
Acenaphthene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Acenaphthylene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Anthracene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Carbazole	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Chrysene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Dibenzofuran	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Fluoranthene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Fluorene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Hexachloroethane	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Bridge St Swale

Lab Order: U0505302

Collection Date: 5/18/05 12:00:00 PM

Project: DEC Spill

Lab ID: U0505302-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
Isophorone	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Naphthalene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Nitrobenzene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Pentachlorophenol	ND	10		µg/L	1	5/24/05 6:14:00 PM
Phenanthrene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Phenol	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
Pyrene	ND	5.0		µg/L	1	5/24/05 6:14:00 PM
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
1,1,1-Trichloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
2-Butanone	ND	10		µg/L	1	5/25/05 1:34:00 PM
2-Hexanone	ND	10		µg/L	1	5/25/05 1:34:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/25/05 1:34:00 PM
Acetone	62	10		µg/L	1	5/25/05 1:34:00 PM
Benzene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Bromoform	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Bromomethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Carbon disulfide	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Carbon tetrachloride	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Chlorobenzene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Chloroethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Chloroform	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Chloromethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Ethylbenzene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
m,p-Xylene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Methylene chloride	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
o-Xylene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-001

Client Sample ID: Bridge St Swale
Collection Date: 5/18/05 12:00:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
Styrene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Toluene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Trichloroethene	ND	3.0		µg/L	1	5/25/05 1:34:00 PM
Vinyl chloride	ND	2.0		µg/L	1	5/25/05 1:34:00 PM
IGNITABILITY		SW1010				Analyst: MM
Ignitability	>60	0		°C	1	5/20/05
LABORATORY HYDROGEN ION (PH)		E150.1				Analyst: TC
pH	6.60	2.00		SU	1	5/23/05
CYANIDE, TOTAL		E335.2				Analyst: SL
Cyanide	ND	0.010		mg/L	1	5/23/05
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: EL
Cyanide, Reactive	ND	5.00		mg/Kg	1	5/20/05
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: EL
Sulfide, Reactive	ND	10.0		mg/Kg	1	5/20/05
HEXAVALENT CHROMIUM		SM3500				Analyst: E L
Hexavalent chromium	NA	1.0		mg/L	100	5/19/05
NOTES:						
Not able to analyze due to matrix interference						

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-002

Client Sample ID: Drain Point
Collection Date: 5/18/05 11:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	5/23/05
Aroclor 1221	ND	0.050		µg/L	1	5/23/05
Aroclor 1232	ND	0.050		µg/L	1	5/23/05
Aroclor 1242	ND	0.050		µg/L	1	5/23/05
Aroclor 1248	ND	0.050		µg/L	1	5/23/05
Aroclor 1254	ND	0.050		µg/L	1	5/23/05
Aroclor 1260	ND	0.050		µg/L	1	5/23/05
NOTES:						
No aroclor pattern is present.						
ICP METALS, TOTALS		E200.7		(E200.7)		Analyst: LJ
Arsenic*	ND	0.10		mg/L	10	5/23/05 3:08:55 PM
Barium	ND	3.0		mg/L	10	5/23/05 3:08:55 PM
Cadmium	ND	0.050		mg/L	10	5/23/05 3:08:55 PM
Chromium	55	0.50		mg/L	10	5/23/05 3:08:55 PM
Copper	ND	0.20		mg/L	10	5/23/05 3:08:55 PM
Lead	ND	1.0		mg/L	10	5/23/05 3:08:55 PM
Nickel	120	0.30		mg/L	10	5/23/05 3:08:55 PM
Selenium*	ND	0.050		mg/L	10	5/23/05 3:08:55 PM
Silver	ND	0.50		mg/L	10	5/23/05 3:08:55 PM
Zinc	0.18	0.10		mg/L	10	5/23/05 3:08:55 PM
TOTAL MERCURY WATERS		E245.2		(E245.2)		Analyst: AB
Mercury	ND	0.0004		mg/L	1	5/23/05
Mercury	ND	0.0004		mg/L	1	5/24/05 12:59:32 PM
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
(3+4)-Methylphenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	5/24/05 1:55:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM

Approved By: _____

Date: _____

Page 5 of 17

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
2-Chlorophenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2-Methylphenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
2-Nitroaniline	ND	50		µg/L	1	5/24/05 1:55:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
3-Nitroaniline	ND	50		µg/L	1	5/24/05 1:55:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	5/24/05 1:55:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
4-Nitroaniline	ND	50		µg/L	1	5/24/05 1:55:00 PM
4-Nitrophenol	ND	50		µg/L	1	5/24/05 1:55:00 PM
Acenaphthene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Acenaphthylene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Anthracene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Carbazole	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Chrysene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Dibenzofuran	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Fluoranthene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Fluorene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM

Approved By: _____

Date: _____

Page 6 of 17

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-002

Client Sample ID: Drain Point
Collection Date: 5/18/05 11:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3510)		Analyst: KL
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Hexachloroethane	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Isophorone	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Naphthalene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Nitrobenzene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Pentachlorophenol	ND	10		µg/L	1	5/24/05 1:55:00 PM
Phenanthrene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Phenol	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
Pyrene	ND	5.0		µg/L	1	5/24/05 1:55:00 PM
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
1,1,1-Trichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1,1-Trichloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,1,2,2-Tetrachloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,1,2,2-Tetrachloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1,2-Trichloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,1,2-Trichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1-Dichloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,1-Dichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,1-Dichloroethene	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,1-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,2-Dichloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,2-Dichloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
1,2-Dichloropropane	ND	15		µg/L	5	5/25/05 2:20:00 PM
1,2-Dichloropropane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
2-Butanone	ND	50		µg/L	5	5/25/05 2:20:00 PM
2-Butanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
2-Hexanone	ND	50		µg/L	5	5/25/05 2:20:00 PM
2-Hexanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
4-Methyl-2-pentanone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	5/25/05 2:20:00 PM
Acetone	100	50		µg/L	5	5/25/05 2:20:00 PM
Acetone	ND	1000	PL	µg/L	100	5/20/05 6:50:00 PM
Benzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Benzene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Bromodichloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point

Lab Order: U0505302

Collection Date: 5/18/05 11:00:00 AM

Project: DEC Spill

Lab ID: U0505302-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
Bromodichloromethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
Bromoform	ND	15		µg/L	5	5/25/05 2:20:00 PM
Bromoform	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Bromomethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
Bromomethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Carbon disulfide	ND	15		µg/L	5	5/25/05 2:20:00 PM
Carbon disulfide	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Carbon tetrachloride	ND	15		µg/L	5	5/25/05 2:20:00 PM
Carbon tetrachloride	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chlorobenzene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Chlorobenzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloroethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
Chloroethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloroform	ND	15		µg/L	5	5/25/05 2:20:00 PM
Chloroform	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Chloromethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
cis-1,2-Dichloroethene	ND	15		µg/L	5	5/25/05 2:20:00 PM
cis-1,2-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
cis-1,3-Dichloropropene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
cis-1,3-Dichloropropene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Dibromochloromethane	ND	15		µg/L	5	5/25/05 2:20:00 PM
Dibromochloromethane	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Ethylbenzene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Ethylbenzene	ND	15		µg/L	5	5/25/05 2:20:00 PM
m,p-Xylene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
m,p-Xylene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Methylene chloride	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Methylene chloride	ND	15		µg/L	5	5/25/05 2:20:00 PM
o-Xylene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
o-Xylene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Styrene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Styrene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Tetrachloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Tetrachloroethene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Toluene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Toluene	ND	15		µg/L	5	5/25/05 2:20:00 PM
trans-1,2-Dichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
trans-1,2-Dichloroethene	ND	15		µg/L	5	5/25/05 2:20:00 PM

Approved By: _____

Date: _____

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-002

Client Sample ID: Drain Point
Collection Date: 5/18/05 11:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B		Analyst: RS		
trans-1,3-Dichloropropene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
trans-1,3-Dichloropropene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Trichloroethene	ND	15		µg/L	5	5/25/05 2:20:00 PM
Trichloroethene	ND	300	PL	µg/L	100	5/20/05 6:50:00 PM
Vinyl chloride	ND	200	PL	µg/L	100	5/20/05 6:50:00 PM
Vinyl chloride	ND	10		µg/L	5	5/25/05 2:20:00 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
IGNITABILITY		SW1010		Analyst: MM		
Ignitability	>60	0		°C	1	5/20/05
LABORATORY HYDROGEN ION (PH)		E150.1		Analyst: TC		
pH	2.40	2.00		SU	1	5/23/05
CYANIDE, TOTAL		E335.2 (E335.2)		Analyst: SL		
Cyanide	ND	0.010		mg/L	1	5/23/05
CYANIDE, REACTIVE		SW7.3.3.2		Analyst: EL		
Cyanide, Reactive	ND	5.00		mg/Kg	1	5/20/05
SULFIDE, REACTIVE		SW7.3.4.2		Analyst: EL		
Sulfide, Reactive	ND	10.0		mg/Kg	1	5/20/05
HEXAVALENT CHROMIUM		SM3500		Analyst: E L		
Hexavalent chromium	57	1.0		mg/L	100	5/19/05

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
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ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-003

Client Sample ID: Drain Point (Solid)
Collection Date: 5/18/05 11:20:00 AM
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		SW8082		(SW3550B)		Analyst: FP
Aroclor 1016	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1221	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1232	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1242	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1248	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1254	ND	0.11		mg/Kg-dry	50	5/26/05
Aroclor 1260	ND	0.11		mg/Kg-dry	50	5/26/05
SOIL AND SOLID METALS BY ICP		SW6010B		(SW3050A)		Analyst: AB
Arsenic*	ND	1.3		mg/Kg-dry	1	5/25/05 2:54:57 PM
Barium	ND	38		mg/Kg-dry	1	5/25/05 2:14:06 PM
Cadmium	3.1	0.64		mg/Kg-dry	1	5/25/05 2:14:06 PM
Chromium	1200	6.4		mg/Kg-dry	1	5/25/05 2:14:06 PM
Copper	2700	2.5		mg/Kg-dry	1	5/25/05 2:14:06 PM
Lead	29	13		mg/Kg-dry	1	5/25/05 2:14:06 PM
Nickel	390	3.8		mg/Kg-dry	1	5/25/05 2:14:06 PM
Selenium*	4.7	0.64	B	mg/Kg-dry	1	5/25/05 2:54:57 PM
Silver	ND	6.4		mg/Kg-dry	1	5/25/05 2:14:06 PM
Zinc	69	1.3		mg/Kg-dry	1	5/25/05 2:14:06 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		SW7471A		(SW7471A)		Analyst: KP
Mercury	ND	0.254		mg/Kg-dry	1	5/24/05 1:48:00 PM
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
(3+4)-Methylphenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
1,2,4-Trichlorobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
1,2-Dichlorobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
1,3-Dichlorobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
1,4-Dichlorobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4,5-Trichlorophenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4,6-Trichlorophenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4-Dichlorophenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4-Dimethylphenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4-Dinitrophenol	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,4-Dinitrotoluene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2,6-Dinitrotoluene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2-Chloronaphthalene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2-Chlorophenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2-Methylnaphthalene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
2-Methylphenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Drain Point (Solid)

Lab Order: U0505302

Collection Date: 5/18/05 11:20:00 AM

Project: DEC Spill

Lab ID: U0505302-003

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
2-Nitroaniline	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
2-Nitrophenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
3,3'-Dichlorobenzidine	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
3-Nitroaniline	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
4,6-Dinitro-2-methylphenol	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Bromophenyl phenyl ether	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Chloro-3-methylphenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Chloroaniline	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Chlorophenyl phenyl ether	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Nitroaniline	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
4-Nitrophenol	ND	4200		µg/Kg-dry	1	5/27/05 2:17:00 PM
Acenaphthene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Acenaphthylene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Anthracene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Benz(a)anthracene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Benzo(a)pyrene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Benzo(b)fluoranthene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Benzo(g,h,i)perylene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Benzo(k)fluoranthene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Bis(2-chloroethoxy)methane	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Bis(2-chloroethyl)ether	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Bis(2-chloroisopropyl)ether	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Bis(2-ethylhexyl)phthalate	1200	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Butyl benzyl phthalate	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Carbazole	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Chrysene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Di-n-butyl phthalate	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Di-n-octyl phthalate	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Dibenz(a,h)anthracene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Dibenzofuran	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Diethyl phthalate	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Dimethyl phthalate	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Fluoranthene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Fluorene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Hexachlorobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Hexachlorobutadiene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Hexachlorocyclopentadiene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Hexachloroethane	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Indeno(1,2,3-cd)pyrene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
 Lab Order: U0505302
 Project: DEC Spill
 Lab ID: U0505302-003

Client Sample ID: Drain Point (Solid)
 Collection Date: 5/18/05 11:20:00 AM
 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
Isophorone	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
N-Nitrosodi-n-propylamine	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
N-Nitrosodiphenylamine	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Naphthalene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Nitrobenzene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Pentachlorophenol	ND	850		µg/Kg-dry	1	5/27/05 2:17:00 PM
Phenanthrene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Phenol	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
Pyrene	ND	420		µg/Kg-dry	1	5/27/05 2:17:00 PM
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
1,1,1-Trichloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,1,2,2-Tetrachloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,1,2-Trichloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,1-Dichloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,1-Dichloroethene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,2-Dichloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
1,2-Dichloropropane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
2-Butanone	ND	13		µg/Kg-dry	1	5/25/05 3:05:00 PM
2-Hexanone	ND	13		µg/Kg-dry	1	5/25/05 3:05:00 PM
4-Methyl-2-pentanone	ND	13		µg/Kg-dry	1	5/25/05 3:05:00 PM
Acetone	160	13		µg/Kg-dry	1	5/25/05 3:05:00 PM
Benzene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Bromodichloromethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Bromoform	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Bromomethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Carbon disulfide	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Carbon tetrachloride	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Chlorobenzene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Chloroethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Chloroform	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Chloromethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
cis-1,2-Dichloroethene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
cis-1,3-Dichloropropene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Dibromochloromethane	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Ethylbenzene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
m,p-Xylene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Methylene chloride	3.9	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
o-Xylene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-003

Client Sample ID: Drain Point (Solid)
Collection Date: 5/18/05 11:20:00 AM
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
Styrene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Tetrachloroethene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Toluene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
trans-1,2-Dichloroethene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
trans-1,3-Dichloropropene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Trichloroethene	ND	3.8		µg/Kg-dry	1	5/25/05 3:05:00 PM
Vinyl chloride	ND	2.5		µg/Kg-dry	1	5/25/05 3:05:00 PM
IGNITABILITY		SW1010				Analyst: MM
Ignitability	>60	0		°C	1	5/20/05
CYANIDE, TOTAL		E335.2		(E335.2)		Analyst: SL
Cyanide	3.95	1.27		mg/Kg-dry	1	5/26/05
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: EL
Cyanide, Reactive	ND	6.36		mg/Kg-dry	1	5/20/05
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: EL
Sulfide, Reactive	ND	12.7		mg/Kg-dry	1	5/20/05
LABORATORY PH		SW9045C				Analyst: EL
pH	5.19	2.00		SU	1	5/24/05
HEXAVALENT CHROMIUM		SW7196A				Analyst: E L
Chromium, Hexavalent	110	0.25		mg/Kg-dry	20	5/19/05
PERCENT MOISTURE		D2216				Analyst: SL
Percent Moisture	21.4	0.00100		wt%	1	5/23/05

Approved By: _____

Date: _____

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

****** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Ditch (Solid)

Lab Order: U0505302

Collection Date: 5/18/05 11:30:00 AM

Project: DEC Spill

Lab ID: U0505302-004

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		SW8082		(SW3550B)		Analyst: FP
Aroclor 1016	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1221	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1232	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1242	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1248	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1254	ND	0.17		mg/Kg-dry	50	5/26/05
Aroclor 1260	ND	0.17		mg/Kg-dry	50	5/26/05
SOIL AND SOLID METALS BY ICP		SW6010B		(SW3050A)		Analyst: AB
Arsenic*	ND	2.0		mg/Kg-dry	1	5/25/05 2:58:50 PM
Barium	ND	61		mg/Kg-dry	1	5/25/05 2:16:28 PM
Cadmium	4.7	1.0		mg/Kg-dry	1	5/25/05 2:16:28 PM
Chromium	4100	10		mg/Kg-dry	1	5/25/05 2:16:28 PM
Copper	7200	4.1		mg/Kg-dry	1	5/25/05 2:16:28 PM
Lead	83	20		mg/Kg-dry	1	5/25/05 2:16:28 PM
Nickel	1500	6.1		mg/Kg-dry	1	5/25/05 2:16:28 PM
Selenium*	3.5	1.0		mg/Kg-dry	1	5/25/05 2:58:50 PM
Silver	ND	10		mg/Kg-dry	1	5/25/05 2:16:28 PM
Zinc	170	2.0		mg/Kg-dry	1	5/25/05 2:16:28 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		SW7471A		(SW7471A)		Analyst: KP
Mercury	ND	0.408		mg/Kg-dry	1	5/24/05 1:49:18 PM
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
(3+4)-Methylphenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
1,2,4-Trichlorobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
1,2-Dichlorobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
1,3-Dichlorobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
1,4-Dichlorobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4,5-Trichlorophenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4,6-Trichlorophenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4-Dichlorophenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4-Dimethylphenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4-Dinitrophenol	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,4-Dinitrotoluene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2,6-Dinitrotoluene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2-Chloronaphthalene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2-Chlorophenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2-Methylnaphthalene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
2-Methylphenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.
Lab Order: U0505302
Project: DEC Spill
Lab ID: U0505302-004

Client Sample ID: Ditch (Solid)
Collection Date: 5/18/05 11:30:00 AM
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
2-Nitroaniline	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
2-Nitrophenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
3,3'-Dichlorobenzidine	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
3-Nitroaniline	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
4,6-Dinitro-2-methylphenol	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Bromophenyl phenyl ether	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Chloro-3-methylphenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Chloroaniline	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Chlorophenyl phenyl ether	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Nitroaniline	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
4-Nitrophenol	ND	6700		µg/Kg-dry	1	5/27/05 3:01:00 PM
Acenaphthene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Acenaphthylene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Anthracene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Benz(a)anthracene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Benzo(a)pyrene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Benzo(b)fluoranthene	740	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Benzo(g,h,i)perylene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Benzo(k)fluoranthene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Bis(2-chloroethoxy)methane	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Bis(2-chloroethyl)ether	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Bis(2-chloroisopropyl)ether	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Bis(2-ethylhexyl)phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Butyl benzyl phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Carbazole	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Chrysene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Di-n-butyl phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Di-n-octyl phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Dibenz(a,h)anthracene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Dibenzofuran	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Diethyl phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Dimethyl phthalate	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Fluoranthene	790	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Fluorene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Hexachlorobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Hexachlorobutadiene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Hexachlorocyclopentadiene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Hexachloroethane	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Indeno(1,2,3-cd)pyrene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Ditch (Solid)

Lab Order: U0505302

Collection Date: 5/18/05 11:30:00 AM

Project: DEC Spill

Lab ID: U0505302-004

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		SW8270C		(SW3550A)		Analyst: KL
Isophorone	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
N-Nitrosodi-n-propylamine	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
N-Nitrosodiphenylamine	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Naphthalene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Nitrobenzene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Pentachlorophenol	ND	1400		µg/Kg-dry	1	5/27/05 3:01:00 PM
Phenanthrene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Phenol	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
Pyrene	ND	670		µg/Kg-dry	1	5/27/05 3:01:00 PM
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
1,1,1-Trichloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,1,2,2-Tetrachloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,1,2-Trichloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,1-Dichloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,1-Dichloroethene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,2-Dichloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
1,2-Dichloropropane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
2-Butanone	ND	20		µg/Kg-dry	1	5/25/05 3:51:00 PM
2-Hexanone	ND	20		µg/Kg-dry	1	5/25/05 3:51:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg-dry	1	5/25/05 3:51:00 PM
Acetone	82	20		µg/Kg-dry	1	5/25/05 3:51:00 PM
Benzene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Bromodichloromethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Bromoform	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Bromomethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Carbon disulfide	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Carbon tetrachloride	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Chlorobenzene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Chloroethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Chloroform	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Chloromethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
cis-1,2-Dichloroethene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
cis-1,3-Dichloropropene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Dibromochloromethane	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Ethylbenzene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
m,p-Xylene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Methylene chloride	6.8	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
o-Xylene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM

Approved By: _____

Date: _____

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 27-May-05

CLIENT: General Super Plating Co., Inc.

Client Sample ID: Ditch (Solid)

Lab Order: U0505302

Collection Date: 5/18/05 11:30:00 AM

Project: DEC Spill

Lab ID: U0505302-004

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B				Analyst: RS
Styrene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Tetrachloroethene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Toluene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
trans-1,2-Dichloroethene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
trans-1,3-Dichloropropene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Trichloroethene	ND	6.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
Vinyl chloride	ND	4.1		µg/Kg-dry	1	5/25/05 3:51:00 PM
IGNITABILITY		SW1010				Analyst: MM
Ignitability	>60	0		°C	1	5/20/05
CYANIDE, TOTAL		E335.2		(E335.2)		Analyst: SL
Cyanide	8.23	2.04		mg/Kg-dry	1	5/26/05
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: EL
Cyanide, Reactive	ND	10.2		mg/Kg-dry	1	5/20/05
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: EL
Sulfide, Reactive	ND	20.4		mg/Kg-dry	1	5/20/05
LABORATORY PH		SW9045C				Analyst: EL
pH	5.40	2.00		SU	1	5/24/05
HEXAVALENT CHROMIUM		SW7196A				Analyst: E L
Chromium, Hexavalent	140	0.41		mg/Kg-dry	20	5/19/05
PERCENT MOISTURE		D2216				Analyst: SL
Percent Moisture	50.9	0.00100		wt%	1	5/23/05

Approved By: _____

Date: _____

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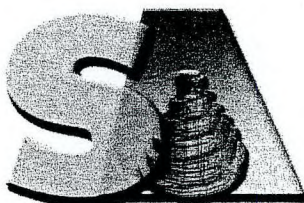
Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Report Date:
25-May-05 16:09



SPECTRUM ANALYTICAL, INC.

Featuring
HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

RECEIVED

JUN - 3 2005

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: David W. Myers

Project: GSP-Dewitt, NY
Project #: 32572

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA28510-01	Large Culvert	Surface Water	24-May-05 12:15	25-May-05 09:23

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 4 pages of analytical data plus Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hamibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

ENVIRONMENTAL ANALYSES

Sample Identification

Large Culvert
SA28510-01

Client Project #
32572

Matrix
Surface Water

Collection Date/Time
24-May-05 12:15

Received
25-May-05

S No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.257	0.0025 mg/l	1	EPA 200.7	25-May-05	25-May-05	5051688	RE	
7440-50-8	Copper	0.997	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.525	0.0025 mg/l	1	"	"	"	"	"	

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5051688 - EPA 200 Series									
Blank (5051688-BLK1)			Prepared & Analyzed: 25-May-05						
Nickel	BRL	0.0025 mg/l							
Copper	BRL	0.0025 mg/l							
Chromium	BRL	0.0025 mg/l							
LCS (5051688-BS1)			Prepared & Analyzed: 25-May-05						
Nickel	0.0950	0.0025 mg/l	0.100		95.0	85-115			
Copper	0.0910	0.0025 mg/l	0.100		91.0	85-115			
Chromium	0.102	0.0025 mg/l	0.100		102	85-115			
Duplicate (5051688-DUP1)			Source: SA28510-01		Prepared & Analyzed: 25-May-05				
Nickel	0.565	0.0025 mg/l		0.525			7.34	20	
Copper	0.996	0.0025 mg/l		0.997			0.100	20	
Chromium	0.267	0.0025 mg/l		0.257			3.82	20	
Matrix Spike (5051688-MS1)			Source: SA28510-01		Prepared & Analyzed: 25-May-05				
Nickel	0.617	0.0025 mg/l	0.100	0.525	92.0	70-130			
Copper	1.08	0.0025 mg/l	0.100	0.997	83.0	70-130			
Chromium	0.350	0.0025 mg/l	0.100	0.257	93.0	70-130			
Matrix Spike Dup (5051688-MSD1)			Source: SA28510-01		Prepared & Analyzed: 25-May-05				
Nickel	0.634	0.0025 mg/l	0.100	0.525	109	70-130	2.72	20	
Copper	1.09	0.0025 mg/l	0.100	0.997	93.0	70-130	0.922	20	
Chromium	0.354	0.0025 mg/l	0.100	0.257	97.0	70-130	1.14	20	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
Wt	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

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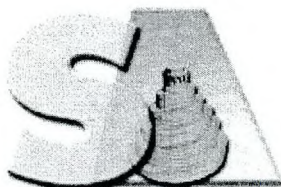
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5/25/05
• All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
• Samples disposed of after 60 days unless
otherwise instructed.

Sampler(s): David W. Myers

STANDARD RATE

13:00
923

Report Date:
03-Jun-05 11:44



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: General Super Plating - Dewitt, NY
Project #: 0032572

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA28746-01	GSP-001 (6-8)	Soil	27-May-05 08:20	28-May-05 10:15
SA28746-02	GSP-001 (16-18)	Soil	27-May-05 08:35	28-May-05 10:15
SA28746-03	GSP-002 (6-8)	Soil	27-May-05 08:45	28-May-05 10:15
SA28746-04	GSP-002 (16-18)	Soil	27-May-05 08:56	28-May-05 10:15
SA28746-05	GSP-003 (6-8)	Soil	27-May-05 09:15	28-May-05 10:15
SA28746-06	GSP-003 (16-18)	Soil	27-May-05 09:22	28-May-05 10:15
SA28746-07	GSP-004 (6-8)	Soil	27-May-05 09:32	28-May-05 10:15
SA28746-08	GSP-004 (16-18)	Soil	27-May-05 09:37	28-May-05 10:15
SA28746-09	GSP-005 (6-8)	Soil	27-May-05 09:51	28-May-05 10:15
SA28746-10	GSP-005 (16-18)	Soil	27-May-05 09:55	28-May-05 10:15
SA28746-11	GSP-006 (6-8)	Soil	27-May-05 10:33	28-May-05 10:15
SA28746-12	GSP-006 (16-18)	Soil	27-May-05 10:40	28-May-05 10:15
SA28746-13	GSP-007 (6-8)	Soil	27-May-05 10:50	28-May-05 10:15
SA28746-14	GSP-007 (16-18)	Soil	27-May-05 10:57	28-May-05 10:15
SA28746-15	GSP-008 (6-8)	Soil	27-May-05 11:05	28-May-05 10:15
SA28746-16	GSP-008 (16-18)	Soil	27-May-05 11:10	28-May-05 10:15
SA28746-17	GSP-009 (6-8)	Soil	27-May-05 11:35	28-May-05 10:15
SA28746-18	GSP-009 (16-18)	Soil	27-May-05 11:45	28-May-05 10:15
SA28746-19	GSP-010 (6-8)	Soil	27-May-05 11:53	28-May-05 10:15
SA28746-20	GSP-010 (16-18)	Soil	27-May-05 11:57	28-May-05 10:15
SA28746-21	GSP-011 (6-8)	Soil	27-May-05 12:09	28-May-05 10:15
SA28746-22	GSP-011 (16)	Soil	27-May-05 12:14	28-May-05 10:15
SA28746-23	GSP-012 (6-8)	Soil	27-May-05 12:39	28-May-05 10:15
SA28746-24	GSP-012 (16-18)	Soil	27-May-05 12:44	28-May-05 10:15
SA28746-25	GSP-013 (6-8)	Soil	27-May-05 12:52	28-May-05 10:15
SA28746-26	GSP-013 (16-18)	Soil	27-May-05 12:55	28-May-05 10:15
SA28746-27	GSP-014 (16-18)	Soil	27-May-05 13:10	28-May-05 10:15
SA28746-28	GSP-DUPE1	Soil	27-May-05 00:00	28-May-05 10:15
SA28746-29	GSP-COMP1 (1)	Soil	27-May-05 13:40	28-May-05 10:15
SA28746-30	GSP-COMP2 (1)	Soil	27-May-05 14:00	28-May-05 10:15
SA28746-31	GSP-DUPE2	Soil	27-May-05 00:00	28-May-05 10:15
SA28746-32	GSP-014 (6-8)	Soil	27-May-05 13:07	28-May-05 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 20 pages of analytical data including Chain of Custody document(s).

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Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.

President/Laboratory Director

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Sample Identification

GSP-001 (6-8)

SA28746-01

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 08:20

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	555	1.28 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	217	1.28 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	2,400	1.28 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	74.6	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052006	JAK	

Sample Identification

GSP-001 (16-18)

SA28746-02

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 08:35

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	89.4	1.16 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	59.1	1.16 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	307	1.16 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	82.4	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052006	JAK	

Sample Identification

GSP-002 (6-8)

SA28746-03

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 08:45

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	1,110	1.33 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	123	1.33 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	546	1.33 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	74.2	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	78.5	2.48 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-002 (16-18)

SA28746-04

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 08:56

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	574	1.21 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	65.5	1.21 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	74.8	1.21 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	73.5	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	5.99	1.35 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 3 of 20

Sample Identification

GSP-003 (6-8)

SA28746-05

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:15

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	104	1.28 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	48.9	1.28 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	51.1	1.28 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	76.3	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-003 (16-18)

SA28746-06

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:22

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	324	1.28 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	54.2	1.28 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	44.7	1.28 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	73.7	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-004 (6-8)

SA28746-07

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:32

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	3,450	1.79 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	163	1.79 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	2,180	1.79 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	52.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	903	18.8 mg/kg dry	10	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-004 (16-18)

SA28746-08

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:37

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	1,580	1.45 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	56.5	1.45 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	419	1.45 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	66.7	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	17.6	1.46 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

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Sample Identification

GSP-005 (6-8)

SA28746-09

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:51

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	605	1.32 mg/kg dry	1	EPA 200.7	01-Jun-05	01-Jun-05	5052034	CR	
7440-50-8	Copper	63.7	1.32 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	621	1.32 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	71.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-005 (16-18)

SA28746-10

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 09:55

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	430	1.17 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	20.3	1.17 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	252	1.17 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	80.3	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-006 (6-8)

SA28746-11

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 10:33

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	85.8	1.23 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	114	1.23 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	447	1.23 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	72.1	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-006 (16-18)

SA28746-12

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 10:40

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	149	1.18 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	635	1.18 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	709	1.18 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	78.8	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

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* Reportable Detection Limit

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Page 5 of 20

Sample Identification

GSP-007 (6-8)

SA28746-13

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 10:50

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	3,560	1.82 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	9,280	1.82 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	2,130	1.82 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	53.1	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	2.50	1.88 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-007 (16-18)

SA28746-14

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 10:57

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	1,350	1.39 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	1,940	1.39 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	1,740	1.39 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	69.3	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	BRL	1.40 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-008 (6-8)

SA28746-15

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:05

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	534	1.06 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	192	1.06 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	220	1.06 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	89.0	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-008 (16-18)

SA28746-16

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:10

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	199	1.17 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	95.5	1.17 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	118	1.17 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	84.3	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 6 of 20

Sample Identification

GSP-009 (6-8)

SA28746-17

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:35

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	53.0	1.33 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	93.6	1.33 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	91.9	1.33 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	73.0	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-009 (16-18)

SA28746-18

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:45

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	52.2	1.27 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	111	1.27 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	277	1.27 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	74.3	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-010 (6-8)

SA28746-19

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:53

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	3,830	2.11 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	11,900	2.11 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	3,720	2.11 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	43.4	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	BRL	2.21 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-010 (16-18)

SA28746-20

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 11:57

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	2,700	1.87 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	13,000	1.87 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	2,440	1.87 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	48.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	
57-12-5	Cyanide (total)	BRL	2.02 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-011 (6-8)

SA28746-21

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:09

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	61.6	1.11 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	108	1.11 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	85.0	1.11 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	84.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-011 (16)

SA28746-22

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:14

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	66.7	1.08 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	154	1.08 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	84.4	1.08 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052009	JAK	

Sample Identification

GSP-012 (6-8)

SA28746-23

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:39

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	720	1.29 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	210	1.29 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	176	1.29 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	71.7	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	

Sample Identification

GSP-012 (16-18)

SA28746-24

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:44

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	1,350	1.46 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	672	1.46 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	376	1.46 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	64.2	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 8 of 20

Sample Identification

GSP-013 (6-8)

SA28746-25

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:52

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	868	1.70 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	1,310	1.70 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	967	1.70 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	57.3	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	
57-12-5	Cyanide (total)	BRL	1.68 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-013 (16-18)

SA28746-26

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 12:55

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	768	1.51 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	1,830	1.51 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	1,240	1.51 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	61.7	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	
57-12-5	Cyanide (total)	BRL	1.60 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	01-Jun-05	01-Jun-05	5060135	YV	

Sample Identification

GSP-014 (16-18)

SA28746-27

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 13:10

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	309	1.39 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	325	1.39 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	845	1.39 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	68.4	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	

Sample Identification

GSP-DUPE1

SA28746-28

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 00:00

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	687	1.22 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	63.4	1.22 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	106	1.22 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	78.5	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-COMP1 (1)

SA28746-29

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 13:40

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
TCLP Metals by EPA 1311 & 6000/7000 Series Methods										
	TCLP Extraction	Completed	N/A	1	SW846 1311	31-May-05	31-May-05	5060031	CB	
7440-47-3	Chromium	0.452	0.0050 mg/l	1	SW846 6010B	01-Jun-05	01-Jun-05	5060035	RE	
7440-50-8	Copper	0.722	0.0050 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	3.28	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	TCLP Extraction	Completed	N/A	1	SW846 1311	31-May-05	31-May-05	5060032	CB	
	% Solids	66.9	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052016	JAK	
57-12-5	Cyanide (TCLP)	BRL	0.0149 mg/l dry	1	10-204-00-1-A	02-Jun-05	02-Jun-05	5060208	YV	

Sample Identification

GSP-COMP2 (1)

SA28746-30

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 14:00

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
TCLP Metals by EPA 1311 & 6000/7000 Series Methods										
	TCLP Extraction	Completed	N/A	1	SW846 1311	31-May-05	31-May-05	5060031	CB	
7440-47-3	Chromium	0.696	0.0050 mg/l	1	SW846 6010B	01-Jun-05	01-Jun-05	5060035	RE	
7440-50-8	Copper	33.2	0.0050 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	9.04	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	TCLP Extraction	Completed	N/A	1	SW846 1311	31-May-05	31-May-05	5060032	CB	
	% Solids	64.6	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052016	JAK	
57-12-5	Cyanide (TCLP)	BRL	0.0155 mg/l dry	1	10-204-00-1-A	02-Jun-05	02-Jun-05	5060208	YV	

Sample Identification

GSP-DUPE2

SA28746-31

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 00:00

Received

28-May-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
TCLP Metals by EPA 1311 & 6000/7000 Series Methods										
	TCLP Extraction	Completed	N/A	1	SW846 1311	31-May-05	31-May-05	5060031	CB	
7440-47-3	Chromium	0.890	0.0050 mg/l	1	SW846 6010B	01-Jun-05	01-Jun-05	5060035	RE	
7440-50-8	Copper	33.4	0.0050 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	8.19	0.0050 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	62.2	%	1	SM2540 G Mod.	31-May-05	01-Jun-05	5052016	JAK	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-014 (6-8)

SA28746-32

Client Project #

0032572

Matrix

Soil

Collection Date/Time

27-May-05 13:07

Received

28-May-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	334	1.56 mg/kg dry	1	EPA 200.7	01-Jun-05	02-Jun-05	5052037	HB	
7440-50-8	Copper	246	1.56 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	1,060	1.56 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	62.8	%	1	SM2540 G Mod.	31-May-05	02-Jun-05	5052016	BD	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5052034 - EPA 200 Series									
Blank (5052034-BLK1)			Prepared & Analyzed: 01-Jun-05						
Nickel	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
LCS (5052034-BS1)			Prepared & Analyzed: 01-Jun-05						
Nickel	0.986	0.0100 mg/kg wet	1.00		98.6	85-115			
Copper	1.03	0.0100 mg/kg wet	1.00		103	85-115			
Chromium	1.05	0.0100 mg/kg wet	1.00		105	85-115			
Duplicate (5052034-DUP1)			Source: SA28391-03		Prepared & Analyzed: 01-Jun-05				
Nickel	6.33	1.17 mg/kg dry		5.81			8.57	35	
Chromium	9.29	1.17 mg/kg dry		6.02			42.7	35	QR-05
Copper	1.98	1.17 mg/kg dry		1.92			3.08	35	
Duplicate (5052034-DUP2)			Source: SA28746-09		Prepared & Analyzed: 01-Jun-05				
Nickel	522	1.33 mg/kg dry		621			17.3	35	
Chromium	542	1.33 mg/kg dry		605			11.0	35	
Copper	41.8	1.33 mg/kg dry		63.7			41.5	35	QR-05
Matrix Spike (5052034-MS1)			Source: SA28711-01		Prepared & Analyzed: 01-Jun-05				
Nickel	91.2	0.973 mg/kg dry	97.3	10.6	82.8	70-130			
Chromium	106	0.973 mg/kg dry	97.3	16.8	91.7	70-130			
Copper	127	0.973 mg/kg dry	97.3	31.3	98.4	70-130			
Matrix Spike (5052034-MS2)			Source: SA28760-01		Prepared & Analyzed: 01-Jun-05				
Nickel	125	1.15 mg/kg dry	115	16.9	94.0	70-130			
Chromium	132	1.15 mg/kg dry	115	19.4	97.9	70-130			
Copper	143	1.15 mg/kg dry	115	18.0	109	70-130			
Matrix Spike Dup (5052034-MSD1)			Source: SA28711-01		Prepared & Analyzed: 01-Jun-05				
Nickel	93.7	1.01 mg/kg dry	101	10.6	82.3	70-130	2.70	35	
Chromium	104	1.01 mg/kg dry	101	16.8	86.3	70-130	1.90	35	
Copper	127	1.01 mg/kg dry	101	31.3	94.8	70-130	0.00	35	
Matrix Spike Dup (5052034-MSD2)			Source: SA28760-01		Prepared & Analyzed: 01-Jun-05				
Nickel	117	1.06 mg/kg dry	106	16.9	94.4	70-130	6.61	35	
Chromium	123	1.06 mg/kg dry	106	19.4	97.7	70-130	7.06	35	
Copper	136	1.06 mg/kg dry	106	18.0	111	70-130	5.02	35	
Reference (5052034-SRM1)			Prepared & Analyzed: 01-Jun-05						
Nickel	43.5	1.00 mg/kg wet	50.4		86.3	85-115			
Copper	63.3	1.00 mg/kg wet	66.2		95.6	85-115			
Chromium	49.9	1.00 mg/kg wet	56.3		88.6	85-115			
Batch 5052037 - EPA 200 Series									
Blank (5052037-BLK1)			Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	BRL	1.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
LCS (5052037-BS1)			Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	0.954	0.0100 mg/kg wet	1.00		95.4	85-115			
Chromium	1.03	0.0100 mg/kg wet	1.00		103	85-115			
Copper	0.981	0.0100 mg/kg wet	1.00		98.1	85-115			
Duplicate (5052037-DUP1)			Source: SA28746-10		Prepared: 31-May-05 Analyzed: 02-Jun-05				
Nickel	304	1.10 mg/kg dry		252			18.7	35	
Chromium	509	1.10 mg/kg dry		430			16.8	35	
Copper	44.3	1.10 mg/kg dry		20.3			74.3	35	QR-05

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5052037 - EPA 200 Series									
Duplicate (5052037-DUP2)	Source: SA28746-28		Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	74.6	1.21 mg/kg dry		106			34.8	35	
Chromium	599	1.21 mg/kg dry		687			13.7	35	
Copper	70.8	1.21 mg/kg dry		63.4			11.0	35	
Matrix Spike (5052037-MS1)	Source: SA28746-11		Prepared: 01-Jun-05 Analyzed: 02-Jun-05						
Nickel	492	1.30 mg/kg dry	130	447	34.6	70-130			QM-07
Chromium	197	1.30 mg/kg dry	130	85.8	85.5	70-130			
Copper	263	1.30 mg/kg dry	130	114	115	70-130			
Matrix Spike (5052037-MS2)	Source: SA28746-32		Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	1210	1.53 mg/kg dry	153	1060	98.0	70-130			
Chromium	518	1.53 mg/kg dry	153	334	120	70-130			
Copper	399	1.53 mg/kg dry	153	246	100	70-130			
Matrix Spike Dup (5052037-MSD1)	Source: SA28746-11		Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	442	1.28 mg/kg dry	128	447	NR	70-130	10.7	35	QM-07
Chromium	191	1.28 mg/kg dry	128	85.8	82.2	70-130	3.09	35	
Copper	205	1.28 mg/kg dry	128	114	71.1	70-130	24.8	35	
Matrix Spike Dup (5052037-MSD2)	Source: SA28746-32		Prepared: 31-May-05 Analyzed: 02-Jun-05						
Nickel	1150	1.54 mg/kg dry	154	1060	58.4	70-130	5.08	35	QM-07
Copper	433	1.54 mg/kg dry	154	246	121	70-130	8.17	35	
Chromium	568	1.54 mg/kg dry	154	334	152	70-130	9.21	35	QM-07
Reference (5052037-SRM1)	Prepared: 31-May-05 Analyzed: 02-Jun-05								
Nickel	48.4	1.00 mg/kg wet	49.4		98.0	85-115			
Copper	69.6	1.00 mg/kg wet	64.9		107	85-115			
Chromium	61.1	1.00 mg/kg wet	55.2		111	85-115			

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* Reportable Detection Limit

BRL = Below Reporting Limit

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TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060031 - SW846 1311									
Blank (5060031-BLK1)				Prepared & Analyzed: 31-May-05					
TCLP Extraction	Completed	N/A							
Batch 5060035 - SW846 3010A									
Blank (5060035-BLK1)				Prepared & Analyzed: 01-Jun-05					
Nickel	BRL	0.0050 mg/l							
Chromium	BRL	0.0050 mg/l							
Copper	BRL	0.0050 mg/l							
LCS (5060035-BS1)				Prepared & Analyzed: 01-Jun-05					
Nickel	0.995	0.0100 mg/l	1.00		99.5	85-115			
Copper	0.851	0.0050 mg/l	1.00		85.1	85-115			
Chromium	0.970	0.0100 mg/l	1.00		97.0	85-115			
LCS Dup (5060035-BSD1)				Prepared & Analyzed: 01-Jun-05					
Nickel	0.914	0.0100 mg/l	1.00		91.4	85-115	8.49	20	
Copper	0.857	0.0050 mg/l	1.00		85.7	85-115	0.703	20	
Chromium	0.971	0.0100 mg/l	1.00		97.1	85-115	0.103	20	
Duplicate (5060035-DUP1)				Source: SA28711-01		Prepared & Analyzed: 01-Jun-05			
Nickel	0.0170	0.0050 mg/l		0.0182			6.82	20	
Chromium	BRL	0.0050 mg/l		0.0035			2.82	20	
Copper	0.0714	0.0050 mg/l		0.0732			2.49	20	
Matrix Spike (5060035-MS1)				Source: SA28746-31		Prepared & Analyzed: 01-Jun-05			
Nickel	8.82	0.0050 mg/l	0.100	8.19	630	75-125			QM-4X
Copper	35.8	0.0050 mg/l	0.100	33.4	NR	75-125			QM-02
Chromium	1.01	0.0050 mg/l	0.100	0.890	120	75-125			
Matrix Spike Dup (5060035-MSD1)				Source: SA28746-31		Prepared & Analyzed: 01-Jun-05			
Nickel	8.67	0.0050 mg/l	0.100	8.19	480	75-125	1.72	20	QM-4X
Chromium	0.995	0.0050 mg/l	0.100	0.890	105	75-125	1.50	20	
Copper	35.8	0.0050 mg/l	0.100	33.4	NR	75-125	0.00	20	QM-02

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* Reportable Detection Limit

BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5052006 - General Preparation									
Duplicate (5052006-DUP1)	Source: SA28733-01		Prepared: 31-May-05 Analyzed: 01-Jun-05						
% Solids	87.4	%		86.6			0.920	20	
Batch 5052009 - General Preparation									
Duplicate (5052009-DUP1)	Source: SA28746-22		Prepared: 31-May-05 Analyzed: 01-Jun-05						
% Solids	89.3	%		88.9			0.449	20	
Batch 5052016 - General Preparation									
Duplicate (5052016-DUP1)	Source: SA28769-01		Prepared: 31-May-05 Analyzed: 02-Jun-05						
% Solids	95.4	%		94.9			0.525	20	
Batch 5060032 - SW846 1311									
Blank (5060032-BLK1)	Prepared & Analyzed: 31-May-05								
TCLP Extraction	Completed	N/A							
Batch 5060135 - General Preparation									
Blank (5060135-BLK1)	Prepared & Analyzed: 01-Jun-05								
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5060135-BS1)	Prepared & Analyzed: 01-Jun-05								
Cyanide (total)	29.7	1.00 mg/kg wet		30.0	99.0	90-110			
Matrix Spike (5060135-MS1)	Source: SA28790-01		Prepared: 01-Jun-05 Analyzed: 02-Jun-05						
Cyanide (total)	32.9	1.07 mg/kg dry		32.1	BRL	102	75-125		
Matrix Spike Dup (5060135-MSD1)	Source: SA28790-01		Prepared: 01-Jun-05 Analyzed: 02-Jun-05						
Cyanide (total)	32.3	1.06 mg/kg dry		31.9	BRL	101	75-125	1.84	20
Reference (5060135-SRM1)	Prepared & Analyzed: 01-Jun-05								
Cyanide (total)	189	4.98 mg/kg wet		122		155	40-160		
Batch 5060208 - General Preparation									
Blank (5060208-BLK1)	Prepared & Analyzed: 02-Jun-05								
Cyanide (TCLP)	BRL	0.0100 mg/l wet							
LCS (5060208-BS1)	Prepared & Analyzed: 02-Jun-05								
Cyanide (TCLP)	0.297	0.0100 mg/l wet		0.300		99.0	90-110		
Matrix Spike (5060208-MS1)	Source: SA28746-29		Prepared & Analyzed: 02-Jun-05						
Cyanide (TCLP)	0.440	0.0149 mg/l dry		0.448	BRL	98.2	75-125		
Matrix Spike Dup (5060208-MSD1)	Source: SA28746-29		Prepared & Analyzed: 02-Jun-05						
Cyanide (TCLP)	0.444	0.0149 mg/l dry		0.448	BRL	99.1	75-125	0.905	20
Reference (5060208-SRM1)	Prepared & Analyzed: 02-Jun-05								
Cyanide (TCLP)	0.329	0.0100 mg/l wet		0.333		98.8	75.7-125		

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 15 of 20

Notes and Definitions

Comp Completed

QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QR-05 RPD out of acceptance range.

BRL Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown



SPECTRUM ANALYTICAL, INC.
Featuring
HAMMAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/3 noon
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- All samples are disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinchey
5788 Widewaters Pkwy
Danville, N.Y. 13214

Invoice To: Same

Project No.: 0032572
Site Name: General Super Plating
Location: Danville State: NY
Sampler(s): MN+NR

Project Mgr.: Ed Hinchey

P.O. No.: 0032572 RQN:

1=Na₂S₂O₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9= 10=

Containers:

Analyses:

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
SW= Surface Water SO=Soil SL=Sludge O=Oil A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Copper	Nickel	Total Cuprous
SP88746-D1	GSP.001 (6-8)	27 May 05	0820	G	SO	ice	1				X	X	X	
AC 02	GSP.001 (10-18)		0835											
AC 03	GSP.002 (6-8)		0845											X
AC 04	GSP.002 (16-18)		0856											X
AC 05	GSP.003 (6-8)		0915											
AC 06	GSP.003 (16-18)		0922											
AC 07	GSP.004 (6-8)		0932											X
AC 08	GSP.004 (16-18)		0937											X
AC 09	GSP.005 (6-8)		0957											
AC 10	GSP.005 (16-18)		0955											

* Hold all analysis until verbal approval by Ed Hinchey or Dave Meyers on Tuesday morning 31 May 05. ~~Take off Hold~~ per client ~~for~~ 5/31

Additional Instructions: Hold all analysis until verbal approval by Ed Hinchey or Dave Meyers on Tuesday 31 May 05.

Relinquished by:

Received by:

Date:

Time:

Nancy Rae Reese
Fed X

Joe Kozich

27 May 05 1730
28 May 05 1015

- ☒ Fax results when available to (315) 445-2543
- ☒ E-mail results when available to ed.hinchey@erm.com

30

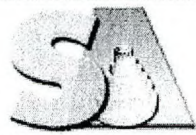
11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 17 of 20



SPECTRUM ANALYTICAL, INC.
Forming
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 4/3 noon
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinchey ERM
5788 Wickwatts Pkwy
Dewitt, NY 13214

Invoice To: Same

Project No.: 0032572

Site Name: General Super Plating

Location: Dewitt State: NY

Sampler(s): MN+NR

Project Mgr.: Ed Hinchey

P.O. No.: 0032572 RQN:

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= X2= X3=

Containers:

Analyses:

QA Reporting Notes:

(check if needed)

State specific reporting standards
 If applicable, please list below:

- ☐ Provide MCP CAM Report
 Were all field QC requirements met
 as per MADEP CAM Section 2.0?
☐ Yes ☐ No
 (Response required for CAM report)

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Copper	Nickel	Total Cyanide
578746-11	GSP-006 (6-8)	27 May 05	1033	G	SO	ice	1				X	X	X	
12	GSP-006 (16-18)		1040											
13	GSP-007 (6-8)		1050											
14	GSP-007 (16-18)		1057										X	
15	GSP-008 (6-8)		1105											
16	GSP-008 (16-18)		1110											
17	GSP-009 (6-8)		1135											
18	GSP-009 (16-18)		1145											
19	GSP-010 (6-8)		1153										X	
20	GSP-010 (16-18)		1157										X	

☐ Fax results when available to ()

☐ E-mail to

EDD Format

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 30

Relinquished by:

Nancy Rae Reese
FedEx

Received by:

Joe Kozick

Date:

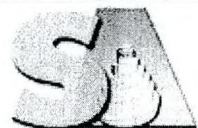
27 May 05

28 May 05

Time:

1730

10:15 AM



SPECTRUM ANALYTICAL, INC.
Featuring
ANALYTICAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/3/00
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinchee
ERM
5788, wide waters Pkwy
Dewitt, N.Y. 13214
 Project Mgr.: Ed Hinchee

Invoice To: Same
 P.O. No.: _____ RQN: _____

Project No.: 0032572
 Site Name: General Super Plating
 Location: Dewitt State: NY
 Sample(s): NR+MN

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Nickel	Copper	TEP Chromium	TEP Nickel	TEP Copper	Total cadmium	TEP cadmium
SAB8746-21	GSP-011 (6-8)	27 May 05	1209	G	SO	ice	1				X	X	X					
22	GSP-011 (16-18)		1214															
23	GSP-012 (6-8)		1239															
24	GSP-012 (16-18)		1244															
25	GSP-013 (6-8)		1252														X	
26	GSP-013 (16-18)		1255														X	
27	GSP-014 (16-18)		1300															
28	GSP-Dupel																	
29	GSP-Comp 1 (1)		1340	C	SO	ice	1							X	X	X		X
30	GSP-Comp 2 (1)		1400	C	SO	ice	1							X	X	X		X

☐ Fax results when available to (_____) _____
☐ E-mail to _____
 EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 38

Relinquished by:

Nancy Rae Reese
FedEx

Received by:

Joe Kozick

Date:

27 May 05

Time:

1730
27 May 05 10:15 PM



SPECTRUM ANALYTICAL, INC.
Fostering
ANALYTICAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/3 noon
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinckley

Invoice To: Same

Project No.: 0032572

Site Name: General Super Plating

Location: Dewitt State: NY

Sampler(s): MN+NR

5788 Widewaters Pkwy
Dewitt NY 13214

Project Mgr.: Ed Hinckley

P.O. No.: _____ RQN: _____

1=Na₂S₂O₅ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
<u>5025746-3</u>	<u>GSP Dups 2</u>	<u>27 May 05</u>	<u>---</u>	<u>C</u>	<u>SO ice</u>
<u>✓ 32</u>	<u>GSP-014(4-8)</u>		<u>1307</u>	<u>C</u>	<u>SO ice</u>

Containers:

of VOA Vials
of Amber Glass
of Clear Glass
of Plastic

Analyses:

TELP Chromium
TELP Nickel
TELP Copper
Total Chromium
Nickel
Copper

QA Reporting Notes:

(check if needed)

State specific reporting standards
If applicable, please list below:

- ☐ Provide MCP/CAM Report
- Were all field QC requirements met as per MADEP/CAM Section 2.0?
- ☐ Yes ☐ No
- (Response required for CAM report)

☐ Fax results when available to (_____) _____

☐ E-mail to _____

EDD Format _____

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3°C

Relinquished by:

Received by:

Date:

Time:

Nancy Rae Reese
Fed X

Joe Kozik

27 May 05 1730

27 May 05 10:15 AM

TABLE ? *** DRAFT ***

Summary of Analytical Data - Soil-Sediments

Phase 1- VOCs

General Super Plating Company

NYSDEC Spill No.: 0550288

ERM Project No.: 0032572

Sample Location Sample Depth (ft.) Date Sampled	Standard NYSDEC TAGM 4046	GSP-020@4' 4' 5/31/2005	GSP-021@6"-1' 6"-1' 5/31/2005	GSP-022@6"-1' 6"-1' 5/31/2005	GSP-023(DUPE) 6"-1' 5/31/2005	GSP-024@6"-1' 6"-1' 5/31/2005	GSP-025@6"-1' 6"-1' 5/31/2005
VOCs (ug/kg)							
2-Chlorotoluene	NS	ND	188	ND	186	NA	NA
Inorganics (mg/kg)							
Total Cyanide	0.2	NA	NA	NA	NA	ND	ND

NS = no standard

NA = not analyzed

ND = concentration above the reported method detection limit

ug/kg microgram/kilogram

mg/kg milligram/kilogram

TAGM #4046 = NYSDEC TAGM No. 4046

Exceedances of Standard is shown in **Bold**

2

Tuesday, May 31, 2005
General Super Plating
East Syracuse, NY

ERM Project #0032572

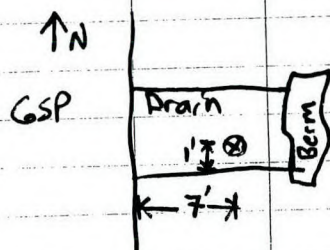
Purpose: Collecting sediment samples to verify previous Upstate Lab results

Weather: Clear, $\pm 70^{\circ}\text{F}$, Calm

1235 Mike Nigro (MN) and Dave Myers (DM) of ERM arrive on site and sign in at the front desk.

1245 DM collects first sample from Drain area @ ~4' bgs.

Sample ID: GSP-020 @ 4'



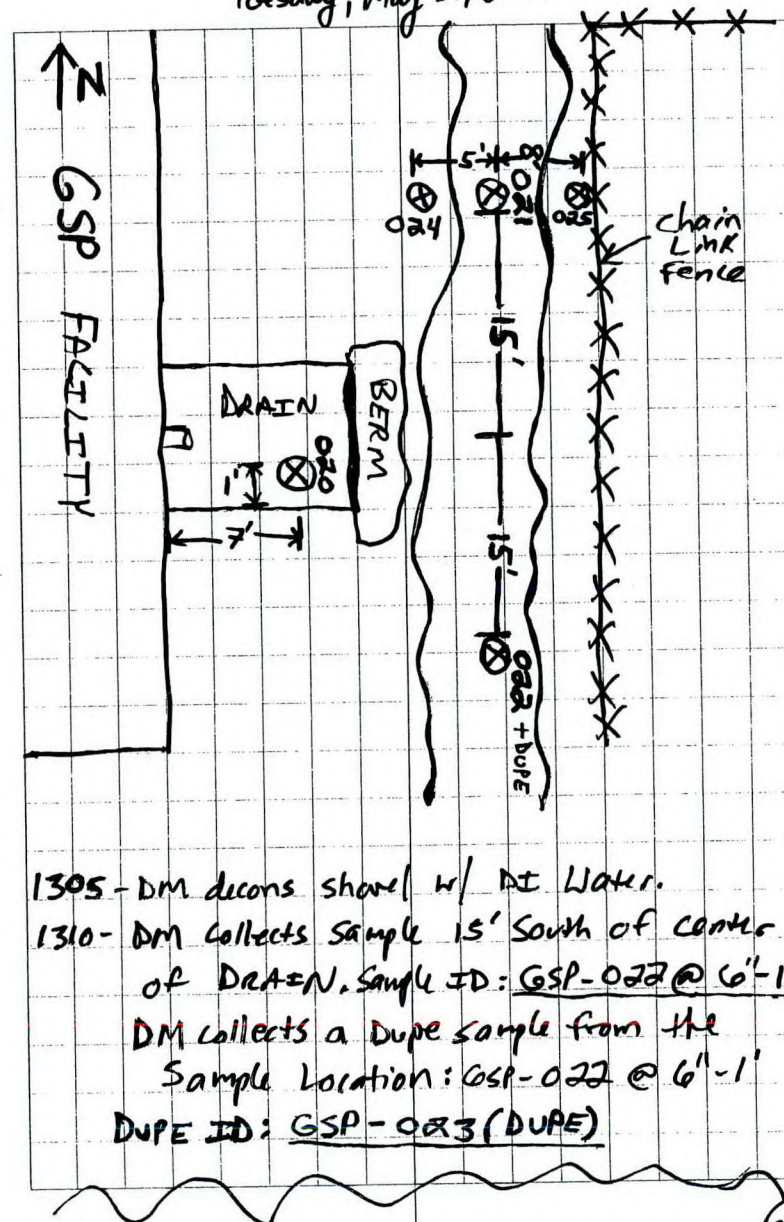
* Diagram depicts location of GSP-020 @ 4'

1300 DM collects second sample from Swale approximately 15' North of center of Drain. See Diagram Below for location
Sample ID: GSP-021 @ 6"-1'



3

GSP
0032572
Tuesday, May 31, 2005



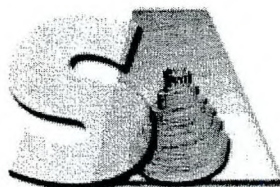
1305 - DM decons shawl w/ at Water.

1310 - DM collects sample 15' South of center of Drain. Sample ID: GSP-022 @ 6"-1'

DM collects a Dupe sample from the Sample Location: GSP-022 @ 6"-1'

DUPE ID: GSP-023 (DUPE)

Report Date:
03-Jun-05 15:20



SPECTRUM ANALYTICAL, INC.
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- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: General Super Plating - Dewitt, NY
Project #: 0032572

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA28836-01	GSP-020@4'	Soil	31-May-05 12:45	01-Jun-05 09:30
SA28836-02	GSP-021@6"-1'	Soil	31-May-05 13:00	01-Jun-05 09:30
SA28836-03	GSP-022@6"-1'	Soil	31-May-05 13:10	01-Jun-05 09:30
SA28836-04	GSP-023(Dupe)	Soil	31-May-05 12:00	01-Jun-05 09:30
SA28836-05	GSP-024@6"-1'	Soil	31-May-05 13:25	01-Jun-05 09:30
SA28836-06	GSP-025@6"-1'	Soil	31-May-05 13:30	01-Jun-05 09:30
SA28836-07	GSP-020@6"-1'	Soil	02-Jun-05 13:00	01-Jun-05 09:30
SA28836-08	GSP-021@6"-1'	Soil	02-Jun-05 13:05	01-Jun-05 09:30
SA28836-09	GSP-022@6"-1'	Soil	02-Jun-05 13:10	01-Jun-05 09:30
SA28836-10	GSP-023 (Dupe)	Soil	02-Jun-05 12:00	01-Jun-05 09:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 26 pages of analytical data including Chain of Custody document(s).

This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification
GSP-020@4'
SA28836-01

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 12:45

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Jun-05	02-Jun-05	5060168	JAK	
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method	SW846 5030 Soil (high level)					VOC10	
67-64-1	Acetone	BRL	2780 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
107-13-1	Acrylonitrile	BRL	139 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	139 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	278 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1390 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	695 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	139 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	278 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	139 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	278 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	139 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	139 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	278 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	139 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	278 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	139 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	139 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	139 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	139 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	139 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	139 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	139 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	139 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	139 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	139 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1390 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	139 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
GSP-020@4'
SA28836-01

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 12:45

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5030 Soil (high level)				VOC10			
1634-04-4	Methyl tert-butyl ether	BRL	139 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1390 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1390 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	139 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	139 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	139 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	139 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	139 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	139 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	139 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	139 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	139 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	278 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	139 µg/kg dry	50	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	100	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	101	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	93.4	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	93.0	70-130 %		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	72.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification

GSP-021@6"-1'
SA28836-02

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 13:00

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Jun-05	02-Jun-05	5060168	JAK	
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method	SW846 5030 Soil (high level)					VOC10	
67-64-1	Acetone	BRL	3220 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
107-13-1	Acrylonitrile	BRL	161 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	161 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	322 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1610 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	805 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	161 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	322 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	161 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	322 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	188	161 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	161 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	322 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	161 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	322 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	161 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	161 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	161 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	161 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	161 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	161 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	161 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	161 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	161 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	161 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1610 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	161 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
GSP-021@6"-1'
SA28836-02

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 13:00

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5030 Soil (high level)				VOC10			
1634-04-4	Methyl tert-butyl ether	BRL	161 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1610 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1610 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	161 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	161 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	161 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	161 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	161 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	161 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	161 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	161 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	161 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	322 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	161 µg/kg dry	50	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	98.0	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	99.2	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	94.0	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	94.6	70-130 %		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	70.3	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
GSP-022@6"-1'
SA28836-03

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 13:10

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Jun-05	02-Jun-05	5060168	JAK	
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method	SW846 5030 Soil (high level)					VOC10	
67-64-1	Acetone	BRL	2410 µg/kg dry	50	SW846 8260B	03-Jun-05	03-Jun-05	5060229	tim	
107-13-1	Acrylonitrile	BRL	120 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	120 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	241 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1200 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	602 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	120 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	241 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	120 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	241 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	120 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	120 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	241 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	120 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	241 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	120 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	120 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	120 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	120 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	120 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	120 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	120 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	120 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	120 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	120 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1200 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	120 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
GSP-022@6"-1'
SA28836-03

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 13:10

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5030 Soil (high level)				VOC10			
1634-04-4	Methyl tert-butyl ether	BRL	120 µg/kg dry	50	SW846 8260B	03-Jun-05	03-Jun-05	5060229	tim	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1200 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1200 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	120 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	120 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	120 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	120 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	120 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	120 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	120 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	120 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	120 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	241 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	120 µg/kg dry	50	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	108	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	93.2	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	105	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	101	70-130 %		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	75.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification
GSP-023(Dupe)
SA28836-04

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 12:00

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
	VOC Extraction	Field extracted	N/A	1	VOC	02-Jun-05	02-Jun-05	5060168	JAK	
<i>Volatile Organic Compounds by SW846 8260B</i>			Prepared by method	SW846 5030 Soil (high level)					VOC10	
67-64-1	Acetone	BRL	2800 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
107-13-1	Acrylonitrile	BRL	140 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	140 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	280 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	1400 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	701 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	140 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	280 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	140 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	280 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	186	140 µg/kg dry	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	140 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	280 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	140 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	280 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	140 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	140 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	140 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	140 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	140 µg/kg dry	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	140 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	140 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	140 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	140 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	140 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	1400 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	140 µg/kg dry	50	"	"	"	"	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
GSP-023(Dupe)
SA28836-04

Client Project #
0032572

Matrix
Soil

Collection Date/Time
31-May-05 12:00

Received
01-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
<u>Volatile Organic Compounds by SW846 8260B</u>			Prepared by method SW846 5030 Soil (high level)				VOC10			
1634-04-4	Methyl tert-butyl ether	BRL	140 µg/kg dry	50	SW846 8260B	02-Jun-05	02-Jun-05	5060165	KL	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1400 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	1400 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	BRL	140 µg/kg dry	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	140 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	140 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	BRL	140 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	140 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	140 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	140 µg/kg dry	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	140 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	140 µg/kg dry	50	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	280 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	BRL	140 µg/kg dry	50	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	98.8	70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	96.8	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	92.2	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	93.8	70-130 %		"	"	"	"	"	
General Chemistry Parameters										
	% Solids	68.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification

GSP-024@6"-1'

SA28836-05

Client Project #

0032572

Matrix

Soil

Collection Date/Time

31-May-05 13:25

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	89.8	%	1	SM2540 G Mod.	02-Jun-05	03-Jun-05	5060136	JAK	
57-12-5	Cyanide (total)	BRL	1.08 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	02-Jun-05	02-Jun-05	5060209	"	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-025@6"-1'

SA28836-06

Client Project #

0032572

Matrix

Soil

Collection Date/Time

31-May-05 13:30

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	88.7	%	1	SM2540 G Mod.	02-Jun-05	03-Jun-05	5060136	JAK	
57-12-5	Cyanide (total)	BRL	1.09 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	02-Jun-05	02-Jun-05	5060209	"	

Sample Identification

GSP-020@6"-1'

SA28836-07

Client Project #

0032572

Matrix

Soil

Collection Date/Time

02-Jun-05 13:00

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	72.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

Sample Identification

GSP-021@6"-1'

SA28836-08

Client Project #

0032572

Matrix

Soil

Collection Date/Time

02-Jun-05 13:05

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	70.3	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

Sample Identification

GSP-022@6"-1'

SA28836-09

Client Project #

0032572

Matrix

Soil

Collection Date/Time

02-Jun-05 13:10

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	75.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

Sample Identification

GSP-023 (Dupe)

SA28836-10

Client Project #

0032572

Matrix

Soil

Collection Date/Time

02-Jun-05 12:00

Received

01-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
General Chemistry Parameters										
	% Solids	68.4	%	1	SM2540 G Mod.	03-Jun-05	03-Jun-05	5060236	BD	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060165 - SW846 5030 Soil (high level)									
Blank (5060165-BLK1)			Prepared & Analyzed: 02-Jun-05						
Acetone	BRL	20.0 µg/kg wet							
Acrylonitrile	BRL	1.0 µg/kg wet							
Benzene	BRL	1.0 µg/kg wet							
Bromobenzene	BRL	1.0 µg/kg wet							
Bromochloromethane	BRL	1.0 µg/kg wet							
Bromodichloromethane	BRL	1.0 µg/kg wet							
Bromoform	BRL	1.0 µg/kg wet							
Bromomethane	BRL	2.0 µg/kg wet							
2-Butanone (MEK)	BRL	10.0 µg/kg wet							
n-Butylbenzene	BRL	1.0 µg/kg wet							
sec-Butylbenzene	BRL	1.0 µg/kg wet							
tert-Butylbenzene	BRL	1.0 µg/kg wet							
Carbon disulfide	BRL	5.0 µg/kg wet							
Carbon tetrachloride	BRL	1.0 µg/kg wet							
Chlorobenzene	BRL	1.0 µg/kg wet							
Chloroethane	BRL	2.0 µg/kg wet							
Chloroform	BRL	1.0 µg/kg wet							
Chloromethane	BRL	2.0 µg/kg wet							
2-Chlorotoluene	BRL	1.0 µg/kg wet							
4-Chlorotoluene	BRL	1.0 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 µg/kg wet							
Dibromochloromethane	BRL	1.0 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 µg/kg wet							
Dibromomethane	BRL	1.0 µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0 µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/kg wet							
1,1-Dichloroethane	BRL	1.0 µg/kg wet							
1,2-Dichloroethane	BRL	1.0 µg/kg wet							
1,1-Dichloroethene	BRL	1.0 µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
1,2-Dichloropropane	BRL	1.0 µg/kg wet							
1,3-Dichloropropane	BRL	1.0 µg/kg wet							
2,2-Dichloropropane	BRL	1.0 µg/kg wet							
1,1-Dichloropropene	BRL	1.0 µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
Ethylbenzene	BRL	1.0 µg/kg wet							
Hexachlorobutadiene	BRL	1.0 µg/kg wet							
2-Hexanone (MBK)	BRL	10.0 µg/kg wet							
Isopropylbenzene	BRL	1.0 µg/kg wet							
4-Isopropyltoluene	BRL	1.0 µg/kg wet							
Methyl tert-butyl ether	BRL	1.0 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/kg wet							
Methylene chloride	BRL	10.0 µg/kg wet							
Naphthalene	BRL	1.0 µg/kg wet							
n-Propylbenzene	BRL	1.0 µg/kg wet							
Styrene	BRL	1.0 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
Tetrachloroethene	BRL	1.0 µg/kg wet							
Toluene	BRL	1.0 µg/kg wet							

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060165 - SW846 5030 Soil (high level)									
Blank (5060165-BLK1)			Prepared & Analyzed: 02-Jun-05						
1,2,3-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0 µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0 µg/kg wet							
Trichloroethene	BRL	1.0 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 µg/kg wet							
Vinyl chloride	BRL	1.0 µg/kg wet							
m,p-Xylene	BRL	2.0 µg/kg wet							
o-Xylene	BRL	1.0 µg/kg wet							
Surrogate: 4-Bromofluorobenzene	49.5	µg/kg wet	50.0		99.0	70-130			
Surrogate: Toluene-d8	49.0	µg/kg wet	50.0		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	49.0	µg/kg wet	50.0		98.0	70-130			
Surrogate: Dibromofluoromethane	47.3	µg/kg wet	50.0		94.6	70-130			
LCS (5060165-BS1)			Prepared & Analyzed: 02-Jun-05						
Acetone	20.0	µg/kg wet	20.0		100	19.4-217			
Acrylonitrile	19.5	µg/kg wet	20.0		97.5	70-130			
Benzene	20.7	µg/kg wet	20.0		104	70-130			
Bromobenzene	21.9	µg/kg wet	20.0		110	70-130			
Bromochloromethane	19.6	µg/kg wet	20.0		98.0	70-130			
Bromodichloromethane	19.8	µg/kg wet	20.0		99.0	70-130			
Bromoform	18.0	µg/kg wet	20.0		90.0	70-130			
Bromomethane	21.0	µg/kg wet	20.0		105	48.6-171			
2-Butanone (MEK)	18.3	µg/kg wet	20.0		91.5	16.5-153			
n-Butylbenzene	19.8	µg/kg wet	20.0		99.0	70-130			
sec-Butylbenzene	21.5	µg/kg wet	20.0		108	70-130			
tert-Butylbenzene	21.4	µg/kg wet	20.0		107	70-130			
Carbon disulfide	16.8	µg/kg wet	20.0		84.0	70-130			
Carbon tetrachloride	19.1	µg/kg wet	20.0		95.5	70-130			
Chlorobenzene	21.5	µg/kg wet	20.0		108	70-130			
Chloroethane	18.8	µg/kg wet	20.0		94.0	68.8-140			
Chloroform	19.2	µg/kg wet	20.0		96.0	70-130			
Chloromethane	19.0	µg/kg wet	20.0		95.0	70-130			
2-Chlorotoluene	21.2	µg/kg wet	20.0		106	70-130			
4-Chlorotoluene	20.4	µg/kg wet	20.0		102	70-130			
1,2-Dibromo-3-chloropropane	17.4	µg/kg wet	20.0		87.0	70-130			
Dibromochloromethane	18.2	µg/kg wet	20.0		91.0	53.9-173			
1,2-Dibromoethane (EDB)	18.3	µg/kg wet	20.0		91.5	70-130			
Dibromomethane	19.0	µg/kg wet	20.0		95.0	70-130			
1,2-Dichlorobenzene	22.0	µg/kg wet	20.0		110	70-130			
1,3-Dichlorobenzene	21.4	µg/kg wet	20.0		107	70-130			
1,4-Dichlorobenzene	22.2	µg/kg wet	20.0		111	70-130			
Dichlorodifluoromethane (Freon12)	20.7	µg/kg wet	20.0		104	59.6-150			
1,1-Dichloroethane	19.6	µg/kg wet	20.0		98.0	70-130			
1,2-Dichloroethane	19.2	µg/kg wet	20.0		96.0	70-130			
1,1-Dichloroethene	18.5	µg/kg wet	20.0		92.5	70-130			
cis-1,2-Dichloroethene	20.0	µg/kg wet	20.0		100	70-130			
trans-1,2-Dichloroethene	19.2	µg/kg wet	20.0		96.0	70-130			
1,2-Dichloropropane	19.7	µg/kg wet	20.0		98.5	70-130			
1,3-Dichloropropane	20.8	µg/kg wet	20.0		104	70-130			
2,2-Dichloropropane	17.1	µg/kg wet	20.0		85.5	70-130			
1,1-Dichloropropene	20.6	µg/kg wet	20.0		103	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060165 - SW846 5030 Soil (high level)									
LCS (5060165-BS1)									
Prepared & Analyzed: 02-Jun-05									
cis-1,3-Dichloropropene	19.5	µg/kg wet	20.0		97.5	70-130			
trans-1,3-Dichloropropene	20.0	µg/kg wet	20.0		100	70-130			
Ethylbenzene	20.7	µg/kg wet	20.0		104	70-130			
Hexachlorobutadiene	21.6	µg/kg wet	20.0		108	67.9-157			
2-Hexanone (MBK)	18.0	µg/kg wet	20.0		90.0	70-130			
Isopropylbenzene	20.4	µg/kg wet	20.0		102	70-130			
4-Isopropyltoluene	22.2	µg/kg wet	20.0		111	70-130			
Methyl tert-butyl ether	18.9	µg/kg wet	20.0		94.5	70-130			
4-Methyl-2-pentanone (MIBK)	19.5	µg/kg wet	20.0		97.5	43.9-154			
Methylene chloride	18.6	µg/kg wet	20.0		93.0	70-130			
Naphthalene	21.2	µg/kg wet	20.0		106	70-130			
n-Propylbenzene	19.1	µg/kg wet	20.0		95.5	70-130			
Styrene	22.1	µg/kg wet	20.0		110	70-130			
1,1,1,2-Tetrachloroethane	20.4	µg/kg wet	20.0		102	70-130			
1,1,2,2-Tetrachloroethane	19.9	µg/kg wet	20.0		99.5	70-130			
Tetrachloroethene	19.1	µg/kg wet	20.0		95.5	70-130			
Toluene	20.6	µg/kg wet	20.0		103	70-130			
1,2,3-Trichlorobenzene	21.4	µg/kg wet	20.0		107	70-130			
1,2,4-Trichlorobenzene	20.4	µg/kg wet	20.0		102	70-130			
1,1,1-Trichloroethane	19.0	µg/kg wet	20.0		95.0	70-130			
1,1,2-Trichloroethane	19.6	µg/kg wet	20.0		98.0	70-130			
Trichloroethene	19.2	µg/kg wet	20.0		96.0	70-130			
Trichlorofluoromethane (Freon 11)	19.6	µg/kg wet	20.0		98.0	70-138			
1,2,3-Trichloropropane	20.2	µg/kg wet	20.0		101	70-130			
1,2,4-Trimethylbenzene	20.2	µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	21.0	µg/kg wet	20.0		105	70-130			
Vinyl chloride	20.6	µg/kg wet	20.0		103	70-130			
m,p-Xylene	43.4	µg/kg wet	40.0		108	70-130			
o-Xylene	21.6	µg/kg wet	20.0		108	70-130			
Surrogate: 4-Bromofluorobenzene	49.1	µg/kg wet	50.0		98.2	70-130			
Surrogate: Toluene-d8	48.5	µg/kg wet	50.0		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	46.0	µg/kg wet	50.0		92.0	70-130			
Surrogate: Dibromofluoromethane	46.0	µg/kg wet	50.0		92.0	70-130			
LCS Dup (5060165-BSD1)									
Prepared & Analyzed: 02-Jun-05									
Acetone	20.6	µg/kg wet	20.0		103	19.4-217	2.96	50	
Acrylonitrile	20.4	µg/kg wet	20.0		102	70-130	4.51	25	
Benzene	19.8	µg/kg wet	20.0		99.0	70-130	4.93	25	
Bromobenzene	20.5	µg/kg wet	20.0		102	70-130	7.55	25	
Bromochloromethane	19.8	µg/kg wet	20.0		99.0	70-130	1.02	25	
Bromodichloromethane	19.8	µg/kg wet	20.0		99.0	70-130	0.00	25	
Bromoform	17.5	µg/kg wet	20.0		87.5	70-130	2.82	25	
Bromomethane	20.8	µg/kg wet	20.0		104	48.6-171	0.957	50	
2-Butanone (MEK)	19.4	µg/kg wet	20.0		97.0	16.5-153	5.84	50	
n-Butylbenzene	18.5	µg/kg wet	20.0		92.5	70-130	6.79	25	
sec-Butylbenzene	20.4	µg/kg wet	20.0		102	70-130	5.71	25	
tert-Butylbenzene	20.3	µg/kg wet	20.0		102	70-130	4.78	25	
Carbon disulfide	16.4	µg/kg wet	20.0		82.0	70-130	2.41	25	
Carbon tetrachloride	18.6	µg/kg wet	20.0		93.0	70-130	2.65	25	
Chlorobenzene	20.7	µg/kg wet	20.0		104	70-130	3.77	25	
Chloroethane	18.2	µg/kg wet	20.0		91.0	68.8-140	3.24	50	
Chloroform	19.0	µg/kg wet	20.0		95.0	70-130	1.05	25	
Chloromethane	18.5	µg/kg wet	20.0		92.5	70-130	2.67	25	
2-Chlorotoluene	20.3	µg/kg wet	20.0		102	70-130	3.85	25	
4-Chlorotoluene	19.7	µg/kg wet	20.0		98.5	70-130	3.49	25	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060165 - SW846 5030 Soil (high level)									
LCS Dup (5060165-BSD1)			Prepared & Analyzed: 02-Jun-05						
1,2-Dibromo-3-chloropropane	18.0	µg/kg wet	20.0		90.0	70-130	3.39	25	
Dibromochloromethane	16.8	µg/kg wet	20.0		84.0	53.9-173	8.00	50	
1,2-Dibromoethane (EDB)	18.8	µg/kg wet	20.0		94.0	70-130	2.70	25	
Dibromomethane	19.2	µg/kg wet	20.0		96.0	70-130	1.05	25	
1,2-Dichlorobenzene	21.2	µg/kg wet	20.0		106	70-130	3.70	25	
1,3-Dichlorobenzene	20.6	µg/kg wet	20.0		103	70-130	3.81	25	
1,4-Dichlorobenzene	21.2	µg/kg wet	20.0		106	70-130	4.61	25	
Dichlorodifluoromethane (Freon12)	20.1	µg/kg wet	20.0		100	59.6-150	3.92	50	
1,1-Dichloroethane	19.5	µg/kg wet	20.0		97.5	70-130	0.512	25	
1,2-Dichloroethane	19.2	µg/kg wet	20.0		96.0	70-130	0.00	25	
1,1-Dichloroethene	18.6	µg/kg wet	20.0		93.0	70-130	0.539	25	
cis-1,2-Dichloroethene	20.2	µg/kg wet	20.0		101	70-130	0.995	25	
trans-1,2-Dichloroethene	18.8	µg/kg wet	20.0		94.0	70-130	2.11	25	
1,2-Dichloropropane	19.8	µg/kg wet	20.0		99.0	70-130	0.506	25	
1,3-Dichloropropane	20.3	µg/kg wet	20.0		102	70-130	1.94	25	
2,2-Dichloropropane	16.4	µg/kg wet	20.0		82.0	70-130	4.18	25	
1,1-Dichloropropene	19.7	µg/kg wet	20.0		98.5	70-130	4.47	25	
cis-1,3-Dichloropropene	19.5	µg/kg wet	20.0		97.5	70-130	0.00	25	
trans-1,3-Dichloropropene	20.1	µg/kg wet	20.0		100	70-130	0.00	25	
Ethylbenzene	19.9	µg/kg wet	20.0		99.5	70-130	4.42	25	
Hexachlorobutadiene	20.7	µg/kg wet	20.0		104	67.9-157	3.77	50	
2-Hexanone (MBK)	17.8	µg/kg wet	20.0		89.0	70-130	1.12	25	
Isopropylbenzene	19.2	µg/kg wet	20.0		96.0	70-130	6.06	25	
4-Isopropyltoluene	21.0	µg/kg wet	20.0		105	70-130	5.56	25	
Methyl tert-butyl ether	18.7	µg/kg wet	20.0		93.5	70-130	1.06	25	
4-Methyl-2-pentanone (MIBK)	20.6	µg/kg wet	20.0		103	43.9-154	5.49	50	
Methylene chloride	18.6	µg/kg wet	20.0		93.0	70-130	0.00	25	
Naphthalene	20.6	µg/kg wet	20.0		103	70-130	2.87	25	
n-Propylbenzene	18.3	µg/kg wet	20.0		91.5	70-130	4.28	25	
Styrene	21.0	µg/kg wet	20.0		105	70-130	4.65	25	
1,1,1,2-Tetrachloroethane	19.2	µg/kg wet	20.0		96.0	70-130	6.06	25	
1,1,2,2-Tetrachloroethane	19.9	µg/kg wet	20.0		99.5	70-130	0.00	25	
Tetrachloroethene	18.9	µg/kg wet	20.0		94.5	70-130	1.05	25	
Toluene	20.4	µg/kg wet	20.0		102	70-130	0.976	25	
1,2,3-Trichlorobenzene	21.3	µg/kg wet	20.0		106	70-130	0.939	25	
1,2,4-Trichlorobenzene	19.7	µg/kg wet	20.0		98.5	70-130	3.49	25	
1,1,1-Trichloroethane	18.6	µg/kg wet	20.0		93.0	70-130	2.13	25	
1,1,2-Trichloroethane	20.2	µg/kg wet	20.0		101	70-130	3.02	25	
Trichloroethene	18.6	µg/kg wet	20.0		93.0	70-130	3.17	25	
Trichlorofluoromethane (Freon 11)	19.0	µg/kg wet	20.0		95.0	70-138	3.11	50	
1,2,3-Trichloropropane	20.0	µg/kg wet	20.0		100	70-130	0.995	25	
1,2,4-Trimethylbenzene	19.3	µg/kg wet	20.0		96.5	70-130	4.56	25	
1,3,5-Trimethylbenzene	20.1	µg/kg wet	20.0		100	70-130	4.88	25	
Vinyl chloride	19.9	µg/kg wet	20.0		99.5	70-130	3.46	25	
m,p-Xylene	41.4	µg/kg wet	40.0		104	70-130	3.77	25	
o-Xylene	20.7	µg/kg wet	20.0		104	70-130	3.77	25	
Surrogate: 4-Bromofluorobenzene	49.0	µg/kg wet	50.0		98.0	70-130			
Surrogate: Toluene-d8	49.9	µg/kg wet	50.0		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	47.7	µg/kg wet	50.0		95.4	70-130			
Surrogate: Dibromofluoromethane	47.5	µg/kg wet	50.0		95.0	70-130			
Matrix Spike (5060165-MS1)			Source: SA28836-04 Prepared: 02-Jun-05 Analyzed: 03-Jun-05						
Benzene	20.0	µg/kg dry	20.0	BRL	100	70-130			
Chlorobenzene	20.8	µg/kg dry	20.0	BRL	104	70-130			
1,1-Dichloroethene	19.1	µg/kg dry	20.0	BRL	95.5	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060165 - SW846 5030 Soil (high level)									
Matrix Spike (5060165-MS1)		Source: SA28836-04		Prepared: 02-Jun-05 Analyzed: 03-Jun-05					
Toluene	19.1	µg/kg dry	20.0	BRL	95.5	70-130			
Trichloroethene	19.1	µg/kg dry	20.0	BRL	95.5	70-130			
Surrogate: 4-Bromofluorobenzene	53.8	µg/kg dry	50.0		108	70-130			
Surrogate: Toluene-d8	46.3	µg/kg dry	50.0		92.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	52.4	µg/kg dry	50.0		105	70-130			
Surrogate: Dibromofluoromethane	51.7	µg/kg dry	50.0		103	70-130			
Matrix Spike Dup (5060165-MSD1)		Source: SA28836-04		Prepared: 02-Jun-05 Analyzed: 03-Jun-05					
Benzene	19.8	µg/kg dry	20.0	BRL	99.0	70-130	1.01	30	
Chlorobenzene	21.1	µg/kg dry	20.0	BRL	106	70-130	1.90	30	
1,1-Dichloroethene	18.3	µg/kg dry	20.0	BRL	91.5	70-130	4.28	30	
Toluene	20.0	µg/kg dry	20.0	BRL	100	70-130	4.60	30	
Trichloroethene	18.5	µg/kg dry	20.0	BRL	92.5	70-130	3.19	30	
Surrogate: 4-Bromofluorobenzene	52.4	µg/kg dry	50.0		105	70-130			
Surrogate: Toluene-d8	49.2	µg/kg dry	50.0		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	51.4	µg/kg dry	50.0		103	70-130			
Surrogate: Dibromofluoromethane	50.7	µg/kg dry	50.0		101	70-130			
Batch 5060229 - SW846 5030 Soil (high level)									
Blank (5060229-BLK1)		Prepared & Analyzed: 03-Jun-05							
Acetone	BRL	20.0 µg/kg wet							
Acrylonitrile	BRL	1.0 µg/kg wet							
Benzene	BRL	1.0 µg/kg wet							
Bromobenzene	BRL	1.0 µg/kg wet							
Bromochloromethane	BRL	1.0 µg/kg wet							
Bromodichloromethane	BRL	1.0 µg/kg wet							
Bromoform	BRL	1.0 µg/kg wet							
Bromomethane	BRL	2.0 µg/kg wet							
2-Butanone (MEK)	BRL	10.0 µg/kg wet							
n-Butylbenzene	BRL	1.0 µg/kg wet							
sec-Butylbenzene	BRL	1.0 µg/kg wet							
tert-Butylbenzene	BRL	1.0 µg/kg wet							
Carbon disulfide	BRL	5.0 µg/kg wet							
Carbon tetrachloride	BRL	1.0 µg/kg wet							
Chlorobenzene	BRL	1.0 µg/kg wet							
Chloroethane	BRL	2.0 µg/kg wet							
Chloroform	BRL	1.0 µg/kg wet							
Chloromethane	BRL	2.0 µg/kg wet							
2-Chlorotoluene	BRL	1.0 µg/kg wet							
4-Chlorotoluene	BRL	1.0 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	2.0 µg/kg wet							
Dibromochloromethane	BRL	1.0 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	1.0 µg/kg wet							
Dibromomethane	BRL	1.0 µg/kg wet							
1,2-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,3-Dichlorobenzene	BRL	1.0 µg/kg wet							
1,4-Dichlorobenzene	BRL	1.0 µg/kg wet							
Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/kg wet							
1,1-Dichloroethane	BRL	1.0 µg/kg wet							
1,2-Dichloroethane	BRL	1.0 µg/kg wet							
1,1-Dichloroethene	BRL	1.0 µg/kg wet							
cis-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
trans-1,2-Dichloroethene	BRL	1.0 µg/kg wet							
1,2-Dichloropropane	BRL	1.0 µg/kg wet							
1,3-Dichloropropane	BRL	1.0 µg/kg wet							

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* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060229 - SW846 5030 Soil (high level)									
Blank (5060229-BLK1)			Prepared & Analyzed: 03-Jun-05						
2,2-Dichloropropane	BRL	1.0 µg/kg wet							
1,1-Dichloropropene	BRL	1.0 µg/kg wet							
cis-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
trans-1,3-Dichloropropene	BRL	1.0 µg/kg wet							
Ethylbenzene	BRL	1.0 µg/kg wet							
Hexachlorobutadiene	BRL	1.0 µg/kg wet							
2-Hexanone (MBK)	BRL	10.0 µg/kg wet							
Isopropylbenzene	BRL	1.0 µg/kg wet							
4-Isopropyltoluene	BRL	1.0 µg/kg wet							
Methyl tert-butyl ether	BRL	1.0 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/kg wet							
Methylene chloride	BRL	10.0 µg/kg wet							
Naphthalene	BRL	1.0 µg/kg wet							
n-Propylbenzene	BRL	1.0 µg/kg wet							
Styrene	BRL	1.0 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	1.0 µg/kg wet							
Tetrachloroethene	BRL	1.0 µg/kg wet							
Toluene	BRL	1.0 µg/kg wet							
1,2,3-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	1.0 µg/kg wet							
1,1,1-Trichloroethane	BRL	1.0 µg/kg wet							
1,1,2-Trichloroethane	BRL	1.0 µg/kg wet							
Trichloroethene	BRL	1.0 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/kg wet							
1,2,3-Trichloropropane	BRL	1.0 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	1.0 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	1.0 µg/kg wet							
Vinyl chloride	BRL	1.0 µg/kg wet							
m,p-Xylene	BRL	2.0 µg/kg wet							
o-Xylene	BRL	1.0 µg/kg wet							
Surrogate: 4-Bromofluorobenzene	53.1	µg/kg wet	50.0		106	70-130			
Surrogate: Toluene-d8	47.8	µg/kg wet	50.0		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	50.8	µg/kg wet	50.0		102	70-130			
Surrogate: Dibromofluoromethane	50.2	µg/kg wet	50.0		100	70-130			
LCS (5060229-BS1)			Prepared & Analyzed: 03-Jun-05						
Acetone	9.6	µg/kg wet	20.0		48.0	19.4-217			
Acrylonitrile	20.3	µg/kg wet	20.0		102	70-130			
Benzene	20.3	µg/kg wet	20.0		102	70-130			
Bromobenzene	21.2	µg/kg wet	20.0		106	70-130			
Bromochloromethane	20.5	µg/kg wet	20.0		102	70-130			
Bromodichloromethane	22.9	µg/kg wet	20.0		114	70-130			
Bromoform	19.7	µg/kg wet	20.0		98.5	70-130			
Bromomethane	21.0	µg/kg wet	20.0		105	48.6-171			
2-Butanone (MEK)	13.3	µg/kg wet	20.0		66.5	16.5-153			
n-Butylbenzene	20.7	µg/kg wet	20.0		104	70-130			
sec-Butylbenzene	22.0	µg/kg wet	20.0		110	70-130			
tert-Butylbenzene	21.6	µg/kg wet	20.0		108	70-130			
Carbon disulfide	20.4	µg/kg wet	20.0		102	70-130			
Carbon tetrachloride	23.4	µg/kg wet	20.0		117	70-130			
Chlorobenzene	20.4	µg/kg wet	20.0		102	70-130			
Chloroethane	21.5	µg/kg wet	20.0		108	68.8-140			
Chloroform	21.2	µg/kg wet	20.0		106	70-130			
Chloromethane	23.4	µg/kg wet	20.0		117	70-130			

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060229 - SW846 5030 Soil (high level)									
LCS (5060229-BS1)			Prepared & Analyzed: 03-Jun-05						
2-Chlorotoluene	20.9	µg/kg wet	20.0		104	70-130			
4-Chlorotoluene	20.7	µg/kg wet	20.0		104	70-130			
1,2-Dibromo-3-chloropropane	16.0	µg/kg wet	20.0		80.0	70-130			
Dibromochloromethane	16.0	µg/kg wet	20.0		80.0	53.9-173			
1,2-Dibromoethane (EDB)	20.9	µg/kg wet	20.0		104	70-130			
Dibromomethane	20.9	µg/kg wet	20.0		104	70-130			
1,2-Dichlorobenzene	20.7	µg/kg wet	20.0		104	70-130			
1,3-Dichlorobenzene	21.5	µg/kg wet	20.0		108	70-130			
1,4-Dichlorobenzene	20.6	µg/kg wet	20.0		103	70-130			
Dichlorodifluoromethane (Freon12)	36.7	µg/kg wet	20.0		184	59.6-150			QC-1
1,1-Dichloroethane	20.7	µg/kg wet	20.0		104	70-130			
1,2-Dichloroethane	20.7	µg/kg wet	20.0		104	70-130			
1,1-Dichloroethene	21.0	µg/kg wet	20.0		105	70-130			
cis-1,2-Dichloroethene	21.3	µg/kg wet	20.0		106	70-130			
trans-1,2-Dichloroethene	20.5	µg/kg wet	20.0		102	70-130			
1,2-Dichloropropane	19.9	µg/kg wet	20.0		99.5	70-130			
1,3-Dichloropropane	20.4	µg/kg wet	20.0		102	70-130			
2,2-Dichloropropane	21.6	µg/kg wet	20.0		108	70-130			
1,1-Dichloropropene	21.1	µg/kg wet	20.0		106	70-130			
cis-1,3-Dichloropropene	21.6	µg/kg wet	20.0		108	70-130			
trans-1,3-Dichloropropene	16.9	µg/kg wet	20.0		84.5	70-130			
Ethylbenzene	20.7	µg/kg wet	20.0		104	70-130			
Hexachlorobutadiene	22.3	µg/kg wet	20.0		112	67.9-157			
2-Hexanone (MBK)	9.7	µg/kg wet	20.0		48.5	70-130			QC-1
Isopropylbenzene	20.0	µg/kg wet	20.0		100	70-130			
4-Isopropyltoluene	22.0	µg/kg wet	20.0		110	70-130			
Methyl tert-butyl ether	20.5	µg/kg wet	20.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	14.8	µg/kg wet	20.0		74.0	43.9-154			
Methylene chloride	20.1	µg/kg wet	20.0		100	70-130			
Naphthalene	20.7	µg/kg wet	20.0		104	70-130			
n-Propylbenzene	20.7	µg/kg wet	20.0		104	70-130			
Styrene	21.2	µg/kg wet	20.0		106	70-130			
1,1,1,2-Tetrachloroethane	21.1	µg/kg wet	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	20.2	µg/kg wet	20.0		101	70-130			
Tetrachloroethene	21.7	µg/kg wet	20.0		108	70-130			
Toluene	21.1	µg/kg wet	20.0		106	70-130			
1,2,3-Trichlorobenzene	21.7	µg/kg wet	20.0		108	70-130			
1,2,4-Trichlorobenzene	21.1	µg/kg wet	20.0		106	70-130			
1,1,1-Trichloroethane	23.6	µg/kg wet	20.0		118	70-130			
1,1,2-Trichloroethane	20.6	µg/kg wet	20.0		103	70-130			
Trichloroethene	21.7	µg/kg wet	20.0		108	70-130			
Trichlorofluoromethane (Freon 11)	24.3	µg/kg wet	20.0		122	70-138			
1,2,3-Trichloropropane	19.9	µg/kg wet	20.0		99.5	70-130			
1,2,4-Trimethylbenzene	21.6	µg/kg wet	20.0		108	70-130			
1,3,5-Trimethylbenzene	21.4	µg/kg wet	20.0		107	70-130			
Vinyl chloride	25.5	µg/kg wet	20.0		128	70-130			
m,p-Xylene	42.2	µg/kg wet	40.0		106	70-130			
o-Xylene	21.8	µg/kg wet	20.0		109	70-130			
Surrogate: 4-Bromofluorobenzene	51.0	µg/kg wet	50.0		102	70-130			
Surrogate: Toluene-d8	48.9	µg/kg wet	50.0		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	51.6	µg/kg wet	50.0		103	70-130			
Surrogate: Dibromofluoromethane	50.3	µg/kg wet	50.0		101	70-130			
LCS Dup (5060229-BSD1)			Prepared & Analyzed: 03-Jun-05						
Acetone	13.0	µg/kg wet	20.0		65.0	19.4-217	30.1	50	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060229 - SW846 5030 Soil (high level)									
LCS Dup (5060229-BSD1)			Prepared & Analyzed: 03-Jun-05						
Acrylonitrile	18.2	µg/kg wet	20.0		91.0	70-130	11.4	25	
Benzene	18.9	µg/kg wet	20.0		94.5	70-130	7.63	25	
Bromobenzene	19.8	µg/kg wet	20.0		99.0	70-130	6.83	25	
Bromochloromethane	20.1	µg/kg wet	20.0		100	70-130	1.98	25	
Bromodichloromethane	21.6	µg/kg wet	20.0		108	70-130	5.41	25	
Bromoform	19.5	µg/kg wet	20.0		97.5	70-130	1.02	25	
Bromomethane	19.7	µg/kg wet	20.0		98.5	48.6-171	6.39	50	
2-Butanone (MEK)	13.1	µg/kg wet	20.0		65.5	16.5-153	1.52	50	
n-Butylbenzene	19.4	µg/kg wet	20.0		97.0	70-130	6.97	25	
sec-Butylbenzene	19.5	µg/kg wet	20.0		97.5	70-130	12.0	25	
tert-Butylbenzene	19.6	µg/kg wet	20.0		98.0	70-130	9.71	25	
Carbon disulfide	18.5	µg/kg wet	20.0		92.5	70-130	9.77	25	
Carbon tetrachloride	21.1	µg/kg wet	20.0		106	70-130	9.87	25	
Chlorobenzene	19.0	µg/kg wet	20.0		95.0	70-130	7.11	25	
Chloroethane	18.7	µg/kg wet	20.0		93.5	68.8-140	14.4	50	
Chloroform	20.4	µg/kg wet	20.0		102	70-130	3.85	25	
Chloromethane	20.9	µg/kg wet	20.0		104	70-130	11.8	25	
2-Chlorotoluene	18.6	µg/kg wet	20.0		93.0	70-130	11.2	25	
4-Chlorotoluene	18.7	µg/kg wet	20.0		93.5	70-130	10.6	25	
1,2-Dibromo-3-chloropropane	17.0	µg/kg wet	20.0		85.0	70-130	6.06	25	
Dibromochloromethane	15.8	µg/kg wet	20.0		79.0	53.9-173	1.26	50	
1,2-Dibromoethane (EDB)	21.2	µg/kg wet	20.0		106	70-130	1.90	25	
Dibromomethane	20.7	µg/kg wet	20.0		104	70-130	0.00	25	
1,2-Dichlorobenzene	19.9	µg/kg wet	20.0		99.5	70-130	4.42	25	
1,3-Dichlorobenzene	19.6	µg/kg wet	20.0		98.0	70-130	9.71	25	
1,4-Dichlorobenzene	20.0	µg/kg wet	20.0		100	70-130	2.96	25	
Dichlorodifluoromethane (Freon12)	33.7	µg/kg wet	20.0		168	59.6-150	9.09	50	QC-1
1,1-Dichloroethane	19.2	µg/kg wet	20.0		96.0	70-130	8.00	25	
1,2-Dichloroethane	20.0	µg/kg wet	20.0		100	70-130	3.92	25	
1,1-Dichloroethene	19.2	µg/kg wet	20.0		96.0	70-130	8.96	25	
cis-1,2-Dichloroethene	20.0	µg/kg wet	20.0		100	70-130	5.83	25	
trans-1,2-Dichloroethene	18.6	µg/kg wet	20.0		93.0	70-130	9.23	25	
1,2-Dichloropropane	18.6	µg/kg wet	20.0		93.0	70-130	6.75	25	
1,3-Dichloropropane	20.0	µg/kg wet	20.0		100	70-130	1.98	25	
2,2-Dichloropropane	19.9	µg/kg wet	20.0		99.5	70-130	8.19	25	
1,1-Dichloropropene	20.0	µg/kg wet	20.0		100	70-130	5.83	25	
cis-1,3-Dichloropropene	19.9	µg/kg wet	20.0		99.5	70-130	8.19	25	
trans-1,3-Dichloropropene	16.5	µg/kg wet	20.0		82.5	70-130	2.40	25	
Ethylbenzene	19.0	µg/kg wet	20.0		95.0	70-130	9.05	25	
Hexachlorobutadiene	20.6	µg/kg wet	20.0		103	67.9-157	8.37	50	
2-Hexanone (MBK)	10.3	µg/kg wet	20.0		51.5	70-130	6.00	25	QC-1
Isopropylbenzene	18.2	µg/kg wet	20.0		91.0	70-130	9.42	25	
4-Isopropyltoluene	20.5	µg/kg wet	20.0		102	70-130	7.55	25	
Methyl tert-butyl ether	20.5	µg/kg wet	20.0		102	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	15.6	µg/kg wet	20.0		78.0	43.9-154	5.26	50	
Methylene chloride	18.8	µg/kg wet	20.0		94.0	70-130	6.19	25	
Naphthalene	20.7	µg/kg wet	20.0		104	70-130	0.00	25	
n-Propylbenzene	18.8	µg/kg wet	20.0		94.0	70-130	10.1	25	
Styrene	19.4	µg/kg wet	20.0		97.0	70-130	8.87	25	
1,1,1,2-Tetrachloroethane	20.5	µg/kg wet	20.0		102	70-130	3.85	25	
1,1,1,2,2-Tetrachloroethane	19.4	µg/kg wet	20.0		97.0	70-130	4.04	25	
Tetrachloroethene	20.0	µg/kg wet	20.0		100	70-130	7.69	25	
Toluene	19.1	µg/kg wet	20.0		95.5	70-130	10.4	25	
1,2,3-Trichlorobenzene	21.0	µg/kg wet	20.0		105	70-130	2.82	25	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060229 - SW846 5030 Soil (high level)									
LCS Dup (5060229-BSD1)			Prepared & Analyzed: 03-Jun-05						
1,2,4-Trichlorobenzene	20.0	µg/kg wet	20.0		100	70-130	5.83	25	
1,1,1-Trichloroethane	21.6	µg/kg wet	20.0		108	70-130	8.85	25	
1,1,2-Trichloroethane	20.8	µg/kg wet	20.0		104	70-130	0.966	25	
Trichloroethene	19.9	µg/kg wet	20.0		99.5	70-130	8.19	25	
Trichlorofluoromethane (Freon 11)	22.6	µg/kg wet	20.0		113	70-138	7.66	50	
1,2,3-Trichloropropane	20.0	µg/kg wet	20.0		100	70-130	0.501	25	
1,2,4-Trimethylbenzene	19.8	µg/kg wet	20.0		99.0	70-130	8.70	25	
1,3,5-Trimethylbenzene	19.7	µg/kg wet	20.0		98.5	70-130	8.27	25	
Vinyl chloride	26.6	µg/kg wet	20.0		133	70-130	3.83	25	QC-1
m,p-Xylene	38.4	µg/kg wet	40.0		96.0	70-130	9.90	25	
o-Xylene	19.5	µg/kg wet	20.0		97.5	70-130	11.1	25	
Surrogate: 4-Bromofluorobenzene	50.2	µg/kg wet	50.0		100	70-130			
Surrogate: Toluene-d8	47.9	µg/kg wet	50.0		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	52.5	µg/kg wet	50.0		105	70-130			
Surrogate: Dibromofluoromethane	50.2	µg/kg wet	50.0		100	70-130			

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060136 - General Preparation									
Duplicate (5060136-DUP1)		Source: SA28866-03		Prepared: 02-Jun-05 Analyzed: 03-Jun-05					
% Solids	74.4	%		74.1			0.404	20	
Batch 5060209 - General Preparation									
Blank (5060209-BLK1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5060209-BS1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	29.2	1.00 mg/kg wet	30.0		97.3	90-110			
Matrix Spike (5060209-MS1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	33.2	1.08 mg/kg dry	32.3	BRL	103	75-125			
Matrix Spike Dup (5060209-MSD1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	32.2	1.08 mg/kg dry	32.4	BRL	99.4	75-125	3.06	20	
Reference (5060209-SRM1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	157	4.66 mg/kg wet	122		129	40-160			
Batch 5060236 - General Preparation									
Duplicate (5060236-DUP1)		Source: SA28867-03		Prepared & Analyzed: 03-Jun-05					
% Solids	77.6	%		78.2			0.770	20	

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* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

QC-1	Analyte out of acceptance range.
vext2	Field extracted
VOC10	The VOC field preserved soil sample is not within the 1:1 weight to volume ratio as recommended by SW846 methods 5030 and 5035 but may be within the 1:1 volume to volume ratio.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown



SPECTRUM ANALYTICAL INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/3/05 *Abou*
 • All TATs subject to laboratory approval.
 • Min. 24-hour notification needed for rushes.
 • All samples are disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Widewaters Parkway
Dewitt, N.Y. 13214

Invoice To: SAME

Project No.: 0032572
 Site Name: General Super Plating
 Location: Dewitt State: NY
 Sampler(s): DWM, MN

Project Mgr.: Ed J. Hinchey

P.O. No.: 0032572 RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=NONE 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

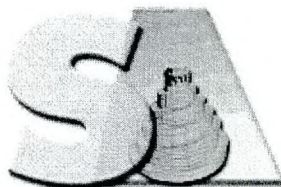
G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials *	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:	Analyses:	Notes:
<u>2836-01</u>	<u>GSP-020@4'</u>	<u>5/31/05</u>	<u>12:45</u>	<u>G</u>	<u>SO</u>	<u>7</u>	<u>2</u>					<u>VOCs (8260B)</u>	<u>* Methanol Preserved</u>
<u>AC -02</u>	<u>GSP-021@6'-1'</u>		<u>13:00</u>	<u>G</u>	<u>SO</u>	<u>7</u>	<u>2</u>						
<u>AC -03</u>	<u>GSP-022@6'-1'</u>		<u>13:10</u>	<u>G</u>	<u>SO</u>	<u>7</u>	<u>2</u>						
<u>AC -04</u>	<u>GSP-023@6'-1'</u>		<u>12:00</u>	<u>G</u>	<u>SO</u>	<u>7</u>	<u>2</u>						
<u>AC -05</u>	<u>GSP-024@6'-1'</u>		<u>13:25</u>	<u>G</u>	<u>SO</u>	<u>9</u>		<u>1</u>				<u>X</u>	<u>for qualitative purposes. Run on wet basis. Sealed.</u>
<u>AC -06</u>	<u>GSP-025@6'-1'</u>	<u>↓</u>	<u>13:30</u>	<u>G</u>	<u>SO</u>	<u>9</u>		<u>1</u>				<u>X</u>	
<u>AC</u>													
<u>AC</u>													
<u>AC</u>													
<u>AC</u>													

☒ Fax results when available to (315) 445-2543
☒ E-mail results when available to ed.hinchey@erm.com
 Condition upon Receipt: ☒ Iced ☐ Ambient ☐ 2°C

Relinquished by: Daniel W. Myers
Ed J.
 Received by: Unknown
 Date: 5/31/05 Time: 14:45
6/1/05 9:30

Report Date:
13-Jun-05 15:47



- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: General Super Plating - Dewitt, NY
Project #: 0032572

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA29265-01	BSS-Swale-01(060905)	Surface Water	09-Jun-05 17:45	10-Jun-05 08:10
SA29265-02	BSS-Swale-02(060905)	Surface Water	09-Jun-05 18:25	10-Jun-05 08:10
SA29265-03	BSS-Swale-03(060905)	Surface Water	09-Jun-05 18:20	10-Jun-05 08:10
SA29265-04	BSS-Swale-04(060905)	Surface Water	09-Jun-05 18:15	10-Jun-05 08:10
SA29265-05	BSS-Swale-05(060905)	Surface Water	09-Jun-05 18:35	10-Jun-05 08:10
SA29265-06	BSS-Swale-06(060905)	Surface Water	09-Jun-05 18:00	10-Jun-05 08:10
SA29265-07	BSS-Swale-Dupe(060905)	Surface Water	09-Jun-05 00:00	10-Jun-05 08:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 9 pages of analytical data including Chain of Custody document(s).

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Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification
BSS-Swale-04(060905)
SA29265-04

Client Project #
0032572

Matrix
Surface Water

Collection Date/Time
09-Jun-05 18:15

Received
10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.239	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	0.866	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.141	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.120	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	0.059	0.005 mg/l	1	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	0.0104	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

Sample Identification
BSS-Swale-05(060905)
SA29265-05

Client Project #
0032572

Matrix
Surface Water

Collection Date/Time
09-Jun-05 18:35

Received
10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.0496	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	0.250	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.0872	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	BRL	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	0.009	0.005 mg/l	1	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

Sample Identification
BSS-Swale-06(060905)
SA29265-06

Client Project #
0032572

Matrix
Surface Water

Collection Date/Time
09-Jun-05 18:00

Received
10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.0782	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	0.677	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.406	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0288	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	BRL	0.005 mg/l	1	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 3 of 9

Sample Identification
BSS-Swale-01(060905)
 SA29265-01

Client Project #
 0032572

Matrix
 Surface Water

Collection Date/Time
 09-Jun-05 17:45

Received
 10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.650	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	1.69	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.448	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.115	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	0.430	0.025 mg/l	5	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

Sample Identification
BSS-Swale-02(060905)
 SA29265-02

Client Project #
 0032572

Matrix
 Surface Water

Collection Date/Time
 09-Jun-05 18:25

Received
 10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.627	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	0.740	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.672	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0706	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	0.630	0.025 mg/l	5	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

Sample Identification
BSS-Swale-03(060905)
 SA29265-03

Client Project #
 0032572

Matrix
 Surface Water

Collection Date/Time
 09-Jun-05 18:20

Received
 10-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	BRL	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	BRL	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	BRL	0.005 mg/l	1	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	10-Jun-05	10-Jun-05	5060732	YV	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Sample Identification
BSS-Swale-Dupe(060905)
SA29265-07

Client Project #
0032572

Matrix
Surface Water

Collection Date/Time
09-Jun-05 00:00

Received
10-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.419	0.0025 mg/l	1	EPA 200.7	10-Jun-05	10-Jun-05	5060688	HB	
7440-50-8	Copper	0.533	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.402	0.0025 mg/l	1	"	"	"	"	"	
7440-66-6	Zinc	0.0702	0.0250 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
1854-029-9	Hexavalent Chromium	0.450	0.025 mg/l	5	SM3500CrD/71 96A	10-Jun-05 09:45	10-Jun-05	5060695	ES	HT-3
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	13-Jun-05	13-Jun-05	5060808	JAK	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060688 - EPA 200 Series									
Blank (5060688-BLK1)			Prepared & Analyzed: 10-Jun-05						
Nickel	BRL	0.0025 mg/l							
Zinc	BRL	0.0250 mg/l							
Copper	BRL	0.0025 mg/l							
Chromium	BRL	0.0025 mg/l							
LCS (5060688-BS1)			Prepared & Analyzed: 10-Jun-05						
Nickel	0.0864	0.0025 mg/l	0.100		86.4	85-115			
Zinc	0.0934	0.0025 mg/l	0.100		93.4	85-115			
Chromium	0.0867	0.0025 mg/l	0.100		86.7	85-115			
Copper	0.0976	0.0010 mg/l	0.100		97.6	85-115			
Duplicate (5060688-DUP1)			Source: SA29265-01		Prepared & Analyzed: 10-Jun-05				
Nickel	0.470	0.0025 mg/l		0.448			4.79	20	
Zinc	0.122	0.0250 mg/l		0.115			5.91	20	
Chromium	0.715	0.0025 mg/l		0.650			9.52	20	
Copper	1.80	0.0025 mg/l		1.69			6.30	20	
Matrix Spike (5060688-MS1)			Source: SA29265-04		Prepared & Analyzed: 10-Jun-05				
Nickel	0.206	0.0025 mg/l	0.100	0.141	65.0	70-130			QM-07
Zinc	0.180	0.0025 mg/l	0.100	0.120	60.0	70-130			QM-07
Copper	0.771	0.0025 mg/l	0.100	0.866	NR	70-130			QM-07
Chromium	0.275	0.0025 mg/l	0.100	0.239	36.0	70-130			QM-07
Matrix Spike Dup (5060688-MSD1)			Source: SA29265-04		Prepared & Analyzed: 10-Jun-05				
Nickel	0.214	0.0025 mg/l	0.100	0.141	73.0	70-130	3.81	20	
Zinc	0.186	0.0025 mg/l	0.100	0.120	66.0	70-130	3.28	20	QM-07
Copper	0.803	0.0025 mg/l	0.100	0.866	NR	70-130	4.07	20	QM-07
Chromium	0.278	0.0025 mg/l	0.100	0.239	39.0	70-130	1.08	20	QM-07

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060695 - General Preparation									
Blank (5060695-BLK1)			Prepared & Analyzed: 10-Jun-05						
Hexavalent Chromium	BRL	0.005 mg/l							
LCS (5060695-BS1)			Prepared & Analyzed: 10-Jun-05						
Hexavalent Chromium	0.052	0.005 mg/l	0.0500		104	90-110			
Duplicate (5060695-DUP1)			Source: SA29257-04 Prepared & Analyzed: 10-Jun-05						
Hexavalent Chromium	BRL	0.050 mg/l		BRL			20		R-01
Matrix Spike (5060695-MS1)			Source: SA29257-04 Prepared & Analyzed: 10-Jun-05						
Hexavalent Chromium	0.430	0.050 mg/l	0.500	BRL	86.0	80-120			R-01
Reference (5060695-SRM1)			Prepared & Analyzed: 10-Jun-05						
Hexavalent Chromium	0.027	0.005 mg/l	0.0250		108	85-115			
Batch 5060732 - General Preparation									
Blank (5060732-BLK1)			Prepared & Analyzed: 10-Jun-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5060732-BS1)			Prepared & Analyzed: 10-Jun-05						
Cyanide (total)	0.272	0.0100 mg/l	0.300		90.7	90-110			
Matrix Spike (5060732-MS1)			Source: SA29265-01 Prepared & Analyzed: 10-Jun-05						
Cyanide (total)	0.293	0.0100 mg/l	0.300	0.00410	96.3	75-125			
Matrix Spike Dup (5060732-MSD1)			Source: SA29265-01 Prepared & Analyzed: 10-Jun-05						
Cyanide (total)	0.327	0.0100 mg/l	0.300	0.00410	108	75-125	11.0	20	
Reference (5060732-SRM1)			Prepared & Analyzed: 10-Jun-05						
Cyanide (total)	0.333	0.0100 mg/l	0.333		100	75.7-125			
Batch 5060808 - General Preparation									
Blank (5060808-BLK1)			Prepared & Analyzed: 13-Jun-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5060808-BS1)			Prepared & Analyzed: 13-Jun-05						
Cyanide (total)	0.318	0.0100 mg/l	0.300		106	90-110			
Matrix Spike (5060808-MS1)			Source: SA29253-05 Prepared & Analyzed: 13-Jun-05						
Cyanide (total)	0.317	0.0100 mg/l	0.300	BRL	106	75-125			
Matrix Spike Dup (5060808-MSD1)			Source: SA29253-05 Prepared & Analyzed: 13-Jun-05						
Cyanide (total)	0.313	0.0100 mg/l	0.300	BRL	104	75-125	1.27	20	
Reference (5060808-SRM1)			Prepared & Analyzed: 13-Jun-05						
Cyanide (total)	0.308	0.0100 mg/l	0.333		92.5	75.7-125			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Notes and Definitions

HT-3	The collection time was not indicated on the chain of custody. Therefore, the analysis hold time can not be verified.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

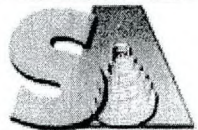
Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/13/05
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Widewater Parkway
Dewitt, NY 13214

Invoice To: SAME

Project No.: 0032572

Site Name: General Super Plating

Location: Dewitt State: NY

Sampler(s): MN and RS

Project Mgr.: Ed Hinchey

P.O. No.: 0032572 RQN:

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=NONE 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

Containers:

Analyses:

QA Reporting Notes:
(check if needed)

State specific reporting standards
if applicable, please list below.

- ☐ Provide MCP CAM Report
Were all field QC requirements met
as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM reports)

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Total Nickel	Total Copper	Total Cyanide	Total Zinc	Total Lead	Total Cadmium	Total Mercury
292501BSS-Swale-01(060905)	6/9/05	1745	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 02 BSS-Swale-02(060905)		1825	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 03 BSS-Swale-03(060905)		1820	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 04 BSS-Swale-04(060905)		1815	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 05 BSS-Swale-05(060905)		1835	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 06 BSS-Swale-06(060905)		1800	G	SW	4,5,9					3	X	X	X	X	X	X	X	X
- 07 BSS-Swale-Dupe(060905)			G	SW	4,5,9					3	X	X	X	X	X	X	X	X

- ☐ Fax results when available to (315) 445-2543
☐ E-mail to ed.hinchey@erm.com
EDD Format

Condition upon receipt: ☒ Fridge ☐ Ambient ☐ °C 3

Relinquished by:

Michael J. Nigro
FedEx

Received by:

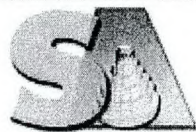
VIA FEDEX
CH handles

Date:

6/9/05
6/10/05

Time:

1900
810



SPECTRUM ANALYTICAL, INC.
Forming
ANALYTICAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/13/05
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Widewaters Parkway
Dewitt, NY 13214

Invoice To: SAME

Project No.: 0032572

Site Name: General Super Plating

Location: Dewitt State: NY

Sampler(s): MN and RS

Project Mgr.: Ed Hinckey

P.O. No.: 0032572 RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=None 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

Containers:

Analyses:

QA Reporting Notes:
(check if needed)

State specific reporting standards
If applicable, please list below

- ☐ Provide MCP CAM Report
Were all field QC requirements met
as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

G-Grab C-Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Total Nickel	Total Copper	Total Cyanide	Total Zinc	Hex Chromium	As	Pb	Ag
29	XES01BSS-Swale-01(060905)	6/9/05	1745	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 02 BSS-Swale-02(060905)		1825	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 03 BSS-Swale-03(060905)		1820	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 04 BSS-Swale-04(060905)		1815	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 05 BSS-Swale-05(060905)		1835	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 06 BSS-Swale-06(060905)		1800	G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X
	- 07 BSS-Swale-Dupe(060905)			G	SW	4.5.9				3	X	X	X	X	X	X	X	X	X

☐ Fax results when available to (315) 445-2543

☐ E-mail to ed.hinckey@erm.com

EDD Format _____

Condition upon receipt: ☒ Fced ☐ Ambient ☐ °C 3

Relinquished by:

Michael J. Nigro
FedEx

Received by:

Via FEDEX
CH Hauler

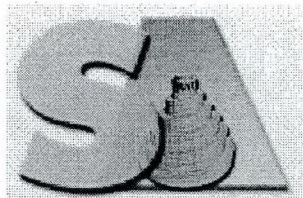
Date:

6/9/05
6/10/05

Time:

1900
810

Report Date:
03-Jun-05 11:42



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL T. CHNOLOGY

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: General Super Plating - Dewitt, NY
Project #: 0032572

- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA28865-01	Bridge Location (060105)	Surface Water	01-Jun-05 11:35	02-Jun-05 10:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 5 pages of analytical data including Chain of Custody document(s).

This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification
Bridge Location (060105)
SA28865-01

Client Project #
0032572

Matrix
Surface Water

Collection Date/Time
01-Jun-05 11:35

Received
02-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.0190	0.0025 mg/l	1	EPA 200.7	02-Jun-05	02-Jun-05	5060139	HB	
7440-50-8	Copper	0.0388	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.0064	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	0.0120	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	02-Jun-05	02-Jun-05	5060210	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

Page 2 of 5

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060139 - EPA 200 Series									
Blank (5060139-BLK1)			Prepared & Analyzed: 02-Jun-05						
Nickel	BRL	0.0025 mg/l							
Copper	BRL	0.0025 mg/l							
Chromium	BRL	0.0025 mg/l							
LCS (5060139-BS1)			Prepared & Analyzed: 02-Jun-05						
Nickel	0.0892	0.0025 mg/l	0.100		89.2	85-115			
Chromium	0.0925	0.0025 mg/l	0.100		92.5	85-115			
Copper	0.0973	0.0010 mg/l	0.100		97.3	85-115			
Duplicate (5060139-DUP1)			Source: SA28865-01		Prepared & Analyzed: 02-Jun-05				
Nickel	0.0066	0.0025 mg/l		0.0064			3.08	20	
Chromium	0.0208	0.0025 mg/l		0.0190			9.05	20	
Copper	0.0377	0.0025 mg/l		0.0388			2.88	20	
Matrix Spike (5060139-MS1)			Source: SA28865-01		Prepared & Analyzed: 02-Jun-05				
Nickel	0.0774	0.0025 mg/l	0.100	0.0064	71.0	70-130			
Copper	0.142	0.0025 mg/l	0.100	0.0388	103	70-130			
Chromium	0.103	0.0025 mg/l	0.100	0.0190	84.0	70-130			
Matrix Spike Dup (5060139-MSD1)			Source: SA28865-01		Prepared & Analyzed: 02-Jun-05				
Nickel	0.0820	0.0025 mg/l	0.100	0.0064	75.6	70-130	5.77	20	
Chromium	0.100	0.0025 mg/l	0.100	0.0190	81.0	70-130	2.96	20	
Copper	0.131	0.0025 mg/l	0.100	0.0388	92.2	70-130	8.06	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060210 - General Preparation									
Blank (5060210-BLK1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5060210-BS1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	0.297	0.0100 mg/l	0.300		99.0	90-110			
Matrix Spike (5060210-MS1)			Source: SA28627-01		Prepared & Analyzed: 02-Jun-05				
Cyanide (total)	0.295	0.0100 mg/l	0.300	BRL	98.3	75-125			
Matrix Spike Dup (5060210-MSD1)			Source: SA28627-01		Prepared & Analyzed: 02-Jun-05				
Cyanide (total)	0.311	0.0100 mg/l	0.300	BRL	104	75-125	5.28	20	
Reference (5060210-SRM1)			Prepared & Analyzed: 02-Jun-05						
Cyanide (total)	0.329	0.0100 mg/l	0.333		98.8	75.7-125			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

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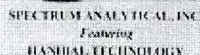
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Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown



Page 1 of 1

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/3/05 - AM
• All TATs subject to laboratory approval.
• Min. 24-hour notification needed for rushes.
• Samples disposed of after 60 days unless otherwise instructed.

5788 Wide Waters Parkway
Dewitt, NY 13214

SAME

Site Name: General Super Plating

Location: Dewitt State: NY

Sampler(s): MSN

Project Mgr.: Ed Hinchey

P.O. No.: 0032572 RQN:

1= $\text{Na}_2\text{S}_2\text{O}_3$ 2= HCl 3= H_2SO_4 4= HNO_3 5= NaOH 6=Ascorbic Acid
7= CH_3OH 8= NaHSO_4 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Containers:

Analyses

QA Reporting Notes:
(check if needed)

State specific reporting standards
If applicable, please list below.

☐ Provide MCP CAM Report
Were all field QC requirements met
as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM reports)

[illegible]

☒ Fax results when available to (315) 445-2543

✉ E-mail to ed.hinchey@erm.com

EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C

Relinquished by:

Received by:

Date: _____

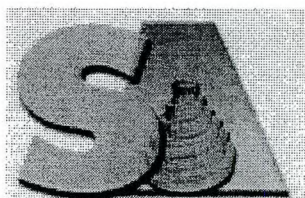
Time:

Mitchell, Nigro
Fed X

2. Косиле

6/1/05	1225
6/2/05	1010

Report Date:
03-Jun-05 16:41



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL T. CHNOLOGY

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: General Super Plating - Dewitt, NY
Project #: 0032572

- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA28926-01	Swale-101 (6/2/05)	Surface Water	02-Jun-05 15:20	03-Jun-05 08:00
SA28926-02	Swale-102 (6/2/05)	Surface Water	02-Jun-05 15:25	03-Jun-05 08:00
SA28926-03	Swale-103 (6/2/05)	Surface Water	02-Jun-05 15:30	03-Jun-05 08:00
SA28926-04	Swale-104 (6/2/05)	Surface Water	02-Jun-05 15:35	03-Jun-05 08:00
SA28926-05	Swale-105 (6/2/05)	Surface Water	02-Jun-05 16:00	03-Jun-05 08:00
SA28926-06	Swale-106 (6/2/05)	Surface Water	02-Jun-05 15:00	03-Jun-05 08:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 6 pages of analytical data including Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification

Swale-101 (6/2/05)

SA28926-01

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 15:20

Received

03-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.542	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	1.24	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.661	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

Sample Identification

Swale-102 (6/2/05)

SA28926-02

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 15:25

Received

03-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.342	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	1.76	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.603	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

Sample Identification

Swale-103 (6/2/05)

SA28926-03

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 15:30

Received

03-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	BRL	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	BRL	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	BRL	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

Sample Identification

Swale-104 (6/2/05)

SA28926-04

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 15:35

Received

03-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.0357	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	0.122	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.0400	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit

BRL = Below Reporting Limit

Page 2 of 6

Sample Identification

Swale-105 (6/2/05)

SA28926-05

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 16:00

Received

03-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.636	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	1.63	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.962	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

Sample Identification

Swale-106 (6/2/05)

SA28926-06

Client Project #

0032572

Matrix

Surface Water

Collection Date/Time

02-Jun-05 15:00

Received

03-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	0.367	0.0025 mg/l	1	EPA 200.7	03-Jun-05	03-Jun-05	5060214	RE	
7440-50-8	Copper	1.92	0.0025 mg/l	1	"	"	"	"	"	
7440-02-0	Nickel	0.648	0.0025 mg/l	1	"	"	"	"	"	
General Chemistry Parameters										
57-12-5	Cyanide (total)	BRL	0.0100 mg/l	1	10-204-00-1-A / SW-846 9012A	03-Jun-05	03-Jun-05	5060250	YV	

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060214 - EPA 200 Series									
Blank (5060214-BLK1)			Prepared & Analyzed: 03-Jun-05						
Nickel	BRL	0.0025 mg/l							
Copper	BRL	0.0025 mg/l							
Chromium	BRL	0.0025 mg/l							
LCS (5060214-BS1)			Prepared & Analyzed: 03-Jun-05						
Nickel	0.0992	0.0025 mg/l	0.100		99.2	85-115			
Chromium	0.104	0.0025 mg/l	0.100		104	85-115			
Copper	0.102	0.0025 mg/l	0.100		102	85-115			
Duplicate (5060214-DUP1)			Source: SA28926-04		Prepared & Analyzed: 03-Jun-05				
Nickel	0.0364	0.0025 mg/l		0.0400			9.42	20	
Chromium	0.0314	0.0025 mg/l		0.0357			12.8	20	
Copper	0.105	0.0025 mg/l		0.122			15.0	20	
Matrix Spike (5060214-MS1)			Source: SA28926-02		Prepared & Analyzed: 03-Jun-05				
Nickel	0.690	0.0025 mg/l	0.100	0.603	87.0	70-130			
Copper	1.88	0.0025 mg/l	0.100	1.76	120	70-130			
Chromium	0.435	0.0025 mg/l	0.100	0.342	93.0	70-130			
Matrix Spike Dup (5060214-MSD1)			Source: SA28926-02		Prepared & Analyzed: 03-Jun-05				
Nickel	0.690	0.0025 mg/l	0.100	0.603	87.0	70-130	0.00	20	
Chromium	0.438	0.0025 mg/l	0.100	0.342	96.0	70-130	0.687	20	
Copper	1.88	0.0025 mg/l	0.100	1.76	120	70-130	0.00	20	

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060250 - General Preparation									
Blank (5060250-BLK1)			Prepared & Analyzed: 03-Jun-05						
Cyanide (total)	BRL	0.0100 mg/l							
LCS (5060250-BS1)			Prepared & Analyzed: 03-Jun-05						
Cyanide (total)	0.312	0.0100 mg/l	0.300		104	90-110			
Matrix Spike (5060250-MS1)			Source: SA28926-01		Prepared & Analyzed: 03-Jun-05				
Cyanide (total)	0.296	0.0100 mg/l	0.300	BRL	98.7	75-125			
Matrix Spike Dup (5060250-MSD1)			Source: SA28926-01		Prepared & Analyzed: 03-Jun-05				
Cyanide (total)	0.302	0.0100 mg/l	0.300	BRL	101	75-125	2.01	20	
Reference (5060250-SRM1)			Prepared & Analyzed: 03-Jun-05						
Cyanide (total)	0.341	0.0100 mg/l	0.333		102	75.7-125			

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Page 4 of 6

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

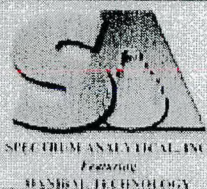
Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brow



CHAIN OF CUSTODY RECORD

Page 1 of 1

SA 28926 (P)

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/3/05
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Widener's Parkway
Dewitt, N.Y. 13214
 Project Mgr.: EJH

Invoice To: SHME
 P.O. No.: 0032572 RQN:

Project No.: 0032572
 Site Name: General Super Plating
 Location: Dewitt State: NY
 Sampler(s): DWM, MN

1 Na₂SO₄ 2 HCl 3 H₂SO₄ 4 HNO₃ 5 NaOH 6 Ascorbic Acid
 7 CH₃OH 8 NaHSO₄ 9 10

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Nickel	Copper	Total Cyanide	Analyses:	QA Reporting Notes: (check if needed)
28926-01	Swale-101 (6/2/05)	6/2/05	15:20	G	SW	4/5				2	X	X				State specific reporting standards if applicable, please list below:
-02	Swale-102 (6/2/05)		15:25							2	X	X				☐ Provide MCP CAM Report
-03	Swale-103 (6/2/05)		15:30							2	X	X				Were all field QC requirements met as per MADEP CAM Section 2.0?
-04	Swale-104 (6/2/05)		15:35							2	X	X				☐ Yes ☐ No
-05	Swale-105 (6/2/05)		16:00							2	X	X				(Response required for CAM report)
-06	Swale-106 (6/2/05)		15:00							2	X	X				

☒ Fax results when available to (315) 445-2543
☒ E-mail to ed.hinchey@erm.com
 EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3

Relinquished by:

David W. Myers
Lead

Received by:

UN - nunes

Date:

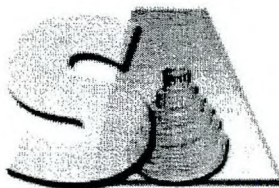
6/3/05

Time:

16:15

6/3/05 8:00

Report Date:
09-Jun-05 16:18



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Ed Hinchey

Project: GSP-Dewitt, NY
Project #: 0032572

- ☐ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA29013-01	GSP-200 (3-6)	Soil	03-Jun-05 08:45	04-Jun-05 11:25
SA29013-02	GSP-200 (13-16)	Soil	03-Jun-05 08:53	04-Jun-05 11:25
SA29013-03	GSP-201 (3-6)	Soil	03-Jun-05 09:05	04-Jun-05 11:25
SA29013-04	GSP-202 (3-6)	Soil	03-Jun-05 09:15	04-Jun-05 11:25
SA29013-05	GSP-202 (13-16)	Soil	03-Jun-05 09:20	04-Jun-05 11:25
SA29013-06	GSP-203 (3-6)	Soil	03-Jun-05 09:45	04-Jun-05 11:25
SA29013-07	GSP-203 (13-16)	Soil	03-Jun-05 09:55	04-Jun-05 11:25
SA29013-08	GSP-204 (3-6)	Soil	03-Jun-05 10:08	04-Jun-05 11:25
SA29013-09	GSP-205 (3-6)	Soil	03-Jun-05 10:25	04-Jun-05 11:25
SA29013-10	GSP-205 (13-16)	Soil	03-Jun-05 10:30	04-Jun-05 11:25
SA29013-11	GSP-208 (3-6)	Soil	03-Jun-05 10:50	04-Jun-05 11:25
SA29013-12	GSP-208 (13-16)	Soil	03-Jun-05 10:55	04-Jun-05 11:25
SA29013-13	GSP-207 (3-6)	Soil	03-Jun-05 11:05	04-Jun-05 11:25
SA29013-14	GSP-206 (3-6)	Soil	03-Jun-05 11:07	04-Jun-05 11:25
SA29013-15	GSP-206 (13-16)	Soil	03-Jun-05 11:15	04-Jun-05 11:25
SA29013-16	GSP-209 (3-6)	Soil	03-Jun-05 11:25	04-Jun-05 11:25
SA29013-17	GSP-209 (13-16)	Soil	03-Jun-05 11:30	04-Jun-05 11:25
SA29013-18	GSP-210 (3-6)	Soil	03-Jun-05 11:37	04-Jun-05 11:25
SA29013-19	GSP-21 (3-6)	Soil	03-Jun-05 11:46	04-Jun-05 11:25
SA29013-20	GSP-211 (13-16)	Soil	03-Jun-05 11:50	04-Jun-05 11:25
SA29013-21	GSP-212 (3"-6")	Soil	03-Jun-05 12:10	04-Jun-05 11:25
SA29013-22	GSP-212 (13"-16")	Soil	03-Jun-05 12:12	04-Jun-05 11:25
SA29013-23	GSP-213 (6"-12")	Soil	03-Jun-05 12:13	04-Jun-05 11:25
SA29013-24	GSP-214 (3"-6")	Soil	03-Jun-05 12:13	04-Jun-05 11:25
SA29013-25	GSP-214 (12"-16")	Soil	03-Jun-05 12:14	04-Jun-05 11:25
SA29013-26	GSP-215 (3"-6")	Soil	03-Jun-05 12:18	04-Jun-05 11:25
SA29013-27	GSP-215 (13"-16")	Soil	03-Jun-05 12:20	04-Jun-05 11:25
SA29013-28	GSP-216 (3"-6")	Soil	03-Jun-05 12:22	04-Jun-05 11:25
SA29013-29	GSP-217 (3"-6")	Soil	03-Jun-05 12:23	04-Jun-05 11:25
SA29013-30	GSP-217 (13"-16")	Soil	03-Jun-05 12:26	04-Jun-05 11:25
SA29013-31	GSP-218 (3"-6")	Soil	03-Jun-05 12:30	04-Jun-05 11:25
SA29013-32	GSP-219 (3"-6")	Soil	03-Jun-05 13:05	04-Jun-05 11:25
SA29013-33	GSP-220 (3"-6")	Soil	03-Jun-05 13:11	04-Jun-05 11:25
SA29013-34	GSP-221 (3"-6")	Soil	03-Jun-05 13:18	04-Jun-05 11:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 22 pages of analytical data including Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110

Connecticut # PH-0777

Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538/2972

New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.

President/Laboratory Director

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Sample Identification

GSP-200 (3-6)

SA29013-01

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 08:45

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	174	1.44 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	227	1.44 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	175	1.44 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	66.5	%	1	SM2540 G Mod.	06-Jun-05	07-Jun-05	5060367	BD	
57-12-5	Cyanide (total)	BRL	1.45 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-200 (13-16)

SA29013-02

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 08:53

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	59.0	1.21 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	162	1.21 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	76.0	1.21 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	77.0	%	1	SM2540 G Mod.	06-Jun-05	07-Jun-05	5060367	BD	
57-12-5	Cyanide (total)	BRL	1.30 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-201 (3-6)

SA29013-03

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 09:05

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	118	1.92 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	311	1.92 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	127	1.92 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	49.3	%	1	SM2540 G Mod.	06-Jun-05	07-Jun-05	5060367	BD	
57-12-5	Cyanide (total)	BRL	1.95 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-202 (3-6)

SA29013-04

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 09:15

Received

04-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	363	1.24 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	384	1.24 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	244	1.24 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	78.8	%	1	SM2540 G Mod.	06-Jun-05	07-Jun-05	5060367	BD	
57-12-5	Cyanide (total)	4.53	1.24 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-202 (13-16)

SA29013-05

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 09:20

Received

04-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	251	1.17 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	318	1.17 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	225	1.17 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	78.9	%	1	SM2540 G Mod.	06-Jun-05	07-Jun-05	5060367	BD	
57-12-5	Cyanide (total)	4.32	1.26 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-203 (3-6)

SA29013-06

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 09:45

Received

04-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	29.5	1.03 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	83.0	1.03 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	22.0	1.03 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.3	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.10 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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BRL = Below Reporting Limit

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Sample Identification
GSP-203 (13-16)
SA29013-07

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 09:55

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	58.0	1.19 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	121	1.19 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	40.9	1.19 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	76.3	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.27 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification
GSP-204 (3-6)
SA29013-08

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 10:08

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	137	1.82 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	450	1.82 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	219	1.82 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	52.7	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.83 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification
GSP-205 (3-6)
SA29013-09

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 10:25

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	17.2	1.08 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	22.9	1.08 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	18.8	1.08 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	89.1	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	1.34	1.10 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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BRL = Below Reporting Limit

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Sample Identification

GSP-205 (13-16)

SA29013-10

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 10:30

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	17.1	1.06 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	23.8	1.06 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	17.6	1.06 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	87.7	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	2.41	1.13 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-208 (3-6)

SA29013-11

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 10:50

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	31.6	1.28 mg/kg dry	1	EPA 200.7	07-Jun-05	08-Jun-05	5060413	CR	
7440-50-8	Copper	112	1.28 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	96.4	1.28 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	71.5	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	1.74	1.38 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-208 (13-16)

SA29013-12

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 10:55

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	16.2	1.23 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	27.6	1.23 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	28.8	1.23 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	76.9	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.26 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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BRL = Below Reporting Limit

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Sample Identification

GSP-207 (3-6)

SA29013-13

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 11:05

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	21.7	1.27 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	38.4	1.27 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	19.8	1.27 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	76.4	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	1.93	1.29 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-206 (3-6)

SA29013-14

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 11:07

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	15.1	1.23 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	41.7	1.23 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	28.8	1.23 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	75.8	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.32 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-206 (13-16)

SA29013-15

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 11:15

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	17.0	1.27 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	47.5	1.27 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	32.3	1.27 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	75.8	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.31 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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BRL = Below Reporting Limit

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Sample Identification
GSP-209 (3-6)
SA29013-16

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 11:25

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	8.09	1.11 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	10.7	1.11 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	11.2	1.11 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	85.0	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.14 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification
GSP-209 (13-16)
SA29013-17

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 11:30

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	6.68	1.08 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	10.3	1.08 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	10.3	1.08 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	83.2	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.19 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification
GSP-210 (3-6)
SA29013-18

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 11:37

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	11.8	1.31 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	23.4	1.31 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	14.2	1.31 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	70.7	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.38 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

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Sample Identification

GSP-21 (3-6)

SA29013-19

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 11:46

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	12.9	1.30 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	16.7	1.30 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	13.2	1.30 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	73.2	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.34 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	07-Jun-05	08-Jun-05	5060515	YV	

Sample Identification

GSP-211 (13-16)

SA29013-20

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 11:50

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	11.4	1.23 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	19.4	1.23 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	12.9	1.23 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	75.0	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.29 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification

GSP-212 (3"-6")

SA29013-21

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 12:10

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	36.3	1.19 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	185	1.19 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	25.0	1.19 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	82.1	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.21 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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Sample Identification

GSP-212 (13"-16")

SA29013-22

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 12:12

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	17.3	1.09 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	105	1.09 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	13.5	1.09 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	88.6	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.11 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification

GSP-213 (6"-12")

SA29013-23

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 12:13

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	966	2.34 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	4,350	2.34 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	927	2.34 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	38.2	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	2.66	2.55 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification

GSP-214 (3"-6")

SA29013-24

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 12:13

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	257	1.59 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	763	1.59 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	262	1.59 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	58.8	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.64 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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Sample Identification
GSP-214 (12"-16")
SA29013-25

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:14

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	74.3	1.25 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	149	1.25 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	99.8	1.25 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	70.6	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060409	BD	
57-12-5	Cyanide (total)	BRL	1.37 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification
GSP-215 (3"-6")
SA29013-26

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:18

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	10.8	1.30 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	109	1.30 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	13.7	1.30 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	74.3	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.33 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification
GSP-215 (13"-16")
SA29013-27

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:20

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	6.72	1.18 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	15.5	1.18 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	9.40	1.18 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	83.7	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.17 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification
GSP-216 (3"-6")
SA29013-28

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:22

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	731	2.42 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	7,170	2.42 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	2,330	2.42 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	38.5	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	2.53 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification
GSP-217 (3"-6")
SA29013-29

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:23

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	20.1	1.23 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	42.7	1.23 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	41.5	1.23 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	76.8	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.29 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification
GSP-217 (13"-16")
SA29013-30

Client Project #
0032572

Matrix
Soil

Collection Date/Time
03-Jun-05 12:26

Received
04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	26.7	1.15 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	66.8	1.15 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	51.6	1.15 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	77.4	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.26 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-218 (3"-6")

SA29013-31

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 12:30

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	321	1.78 mg/kg dry	1	EPA 200.7	08-Jun-05	08-Jun-05	5060423	CR	
7440-50-8	Copper	1,150	1.78 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	412	1.78 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	52.3	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	4.13	1.88 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification

GSP-219 (3"-6")

SA29013-32

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 13:05

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	14.8	1.41 mg/kg dry	1	EPA 200.7	08-Jun-05	09-Jun-05	5060582	RE	
7440-50-8	Copper	36.6	1.41 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	22.0	1.41 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	68.0	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.44 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

Sample Identification

GSP-220 (3"-6")

SA29013-33

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 13:11

Received

04-Jun-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	465	2.40 mg/kg dry	1	EPA 200.7	08-Jun-05	09-Jun-05	5060582	RE	
7440-50-8	Copper	547	2.40 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	190	2.40 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	37.4	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	2.60 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Sample Identification

GSP-221 (3'-6")

SA29013-34

Client Project #

0032572

Matrix

Soil

Collection Date/Time

03-Jun-05 13:18

Received

04-Jun-05

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>	<i>Flag</i>
Total Metals by EPA 200 Series Methods										
7440-47-3	Chromium	69.0	1.47 mg/kg dry	1	EPA 200.7	08-Jun-05	09-Jun-05	5060582	RE	
7440-50-8	Copper	207	1.47 mg/kg dry	1	"	"	"	"	"	
7440-02-0	Nickel	78.5	1.47 mg/kg dry	1	"	"	"	"	"	
General Chemistry Parameters										
	% Solids	60.6	%	1	SM2540 G Mod.	07-Jun-05	08-Jun-05	5060424	BD	
57-12-5	Cyanide (total)	BRL	1.65 mg/kg dry	1	10-204-00-1-A / SW-846 9012A	08-Jun-05	09-Jun-05	5060599	YV	

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* Reportable Detection Limit

BRL = Below Reporting Limit

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Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060413 - EPA 200 Series									
Blank (5060413-BLK1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Nickel	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
LCS (5060413-BS1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Nickel	1.01	0.0100 mg/kg wet	1.00		101	85-115			
Copper	1.05	0.0100 mg/kg wet	1.00		105	85-115			
Chromium	1.00	0.0100 mg/kg wet	1.00		100	85-115			
Duplicate (5060413-DUP1)			Source: SA28922-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	BRL	0.984 mg/kg dry		0.870			8.16	35	
Chromium	1.18	0.984 mg/kg dry		0.937			23.0	35	
Copper	BRL	0.984 mg/kg dry		0.338				35	
Duplicate (5060413-DUP2)			Source: SA29029-02		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	16.1	1.02 mg/kg dry		16.0			0.623	35	
Copper	264	1.02 mg/kg dry		261			1.14	35	
Chromium	71.2	1.02 mg/kg dry		71.0			0.281	35	
Matrix Spike (5060413-MS1)			Source: SA28923-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	103	1.04 mg/kg dry	104	1.26	97.8	70-130			
Chromium	103	1.04 mg/kg dry	104	1.39	97.7	70-130			
Copper	112	1.04 mg/kg dry	104	1.88	106	70-130			
Matrix Spike (5060413-MS2)			Source: SA29029-03		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	133	1.15 mg/kg dry	115	19.5	98.7	70-130			
Chromium	164	1.15 mg/kg dry	115	49.3	99.7	70-130			
Copper	287	1.15 mg/kg dry	115	158	112	70-130			
Matrix Spike Dup (5060413-MSD1)			Source: SA28923-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	101	1.02 mg/kg dry	102	1.26	97.8	70-130	1.96	35	
Copper	107	1.02 mg/kg dry	102	1.88	103	70-130	4.57	35	
Chromium	100	1.02 mg/kg dry	102	1.39	96.7	70-130	2.96	35	
Matrix Spike Dup (5060413-MSD2)			Source: SA29029-03		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Nickel	124	1.19 mg/kg dry	119	19.5	87.8	70-130	7.00	35	
Copper	294	1.19 mg/kg dry	119	158	114	70-130	2.41	35	
Chromium	154	1.19 mg/kg dry	119	49.3	88.0	70-130	6.29	35	
Reference (5060413-SRM1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Nickel	51.5	1.00 mg/kg wet	50.6		102	85-115			
Copper	74.9	1.00 mg/kg wet	66.4		113	85-115			
Chromium	60.5	1.00 mg/kg wet	56.5		107	85-115			
Batch 5060423 - EPA 200 Series									
Blank (5060423-BLK1)			Prepared & Analyzed: 08-Jun-05						
Nickel	BRL	1.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
LCS (5060423-BS1)			Prepared & Analyzed: 08-Jun-05						
Nickel	1.00	0.0100 mg/kg wet	1.00		100	85-115			
Chromium	0.972	0.0100 mg/kg wet	1.00		97.2	85-115			
Copper	1.00	0.0100 mg/kg wet	1.00		100	85-115			
Duplicate (5060423-DUP1)			Source: SA29013-12		Prepared & Analyzed: 08-Jun-05				
Nickel	31.3	1.21 mg/kg dry		28.8			8.32	35	
Chromium	15.5	1.21 mg/kg dry		16.2			4.42	35	
Copper	29.5	1.21 mg/kg dry		27.6			6.65	35	

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5060423 - EPA 200 Series									
Duplicate (5060423-DUP2)	Source: SA29013-30		Prepared & Analyzed: 08-Jun-05						
Nickel	32.3	1.16 mg/kg dry		51.6			46.0	35	QR-05
Chromium	20.8	1.16 mg/kg dry		26.7			24.8	35	
Copper	42.0	1.16 mg/kg dry		66.8			45.6	35	QR-05
Matrix Spike (5060423-MS1)	Source: SA29013-13		Prepared & Analyzed: 08-Jun-05						
Nickel	135	1.19 mg/kg dry	119	19.8	96.8	70-130			
Chromium	132	1.19 mg/kg dry	119	21.7	92.7	70-130			
Copper	177	1.19 mg/kg dry	119	38.4	116	70-130			
Matrix Spike (5060423-MS2)	Source: SA29013-31		Prepared & Analyzed: 08-Jun-05						
Nickel	611	1.90 mg/kg dry	190	412	105	70-130			
Chromium	510	1.90 mg/kg dry	190	321	99.5	70-130			
Copper	1450	1.90 mg/kg dry	190	1150	158	70-130			QM-4X
Matrix Spike Dup (5060423-MSD1)	Source: SA29013-13		Prepared & Analyzed: 08-Jun-05						
Nickel	132	1.17 mg/kg dry	117	19.8	95.9	70-130	2.25	35	
Chromium	130	1.17 mg/kg dry	117	21.7	92.6	70-130	1.53	35	
Copper	176	1.17 mg/kg dry	117	38.4	118	70-130	0.567	35	
Matrix Spike Dup (5060423-MSD2)	Source: SA29013-31		Prepared & Analyzed: 08-Jun-05						
Nickel	612	1.89 mg/kg dry	189	412	106	70-130	0.164	35	
Chromium	498	1.89 mg/kg dry	189	321	93.7	70-130	2.38	35	
Copper	1460	1.89 mg/kg dry	189	1150	164	70-130	0.687	35	QM-4X
Reference (5060423-SRM1)	Prepared & Analyzed: 08-Jun-05								
Nickel	48.4	1.00 mg/kg wet	49.8		97.2	85-115			
Copper	68.8	1.00 mg/kg wet	65.4		105	85-115			
Chromium	54.8	1.00 mg/kg wet	55.6		98.6	85-115			
Batch 5060582 - EPA 200 Series									
Blank (5060582-BLK1)	Prepared: 08-Jun-05 Analyzed: 09-Jun-05								
Nickel	BRL	1.00 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Copper	BRL	1.00 mg/kg wet							
LCS (5060582-BS1)	Prepared: 08-Jun-05 Analyzed: 09-Jun-05								
Nickel	1.09	0.0100 mg/kg wet	1.00		109	85-115			
Chromium	1.04	0.0100 mg/kg wet	1.00		104	85-115			
Copper	1.05	0.0100 mg/kg wet	1.00		105	85-115			
Reference (5060582-SRM1)	Prepared: 08-Jun-05 Analyzed: 09-Jun-05								
Nickel	54.8	1.00 mg/kg wet	50.5		109	85-115			
Chromium	63.7	1.00 mg/kg wet	56.5		113	85-115			

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* Reportable Detection Limit BRL = Below Reporting Limit

General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 0506086 - 5060515									
Initial Cal Blank (0506086-ICB1)			Prepared & Analyzed: 09-Jun-05						
Cyanide (total)	0.00	mg/kg wet							
Initial Cal Check (0506086-ICV1)			Prepared & Analyzed: 09-Jun-05						
Cyanide (total)	0.315	mg/kg wet	0.300		105	0-200			
Batch 5060367 - General Preparation									
Duplicate (5060367-DUP1)			Source: SA29035-01		Prepared: 06-Jun-05 Analyzed: 07-Jun-05				
% Solids	85.1	%		85.7			0.703	20	
Batch 5060409 - General Preparation									
Duplicate (5060409-DUP1)			Source: SA29013-25		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
% Solids	71.2	%		70.6			0.846	20	
Batch 5060424 - General Preparation									
Duplicate (5060424-DUP2)			Source: SA29063-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
% Solids	80.9	%		80.8			0.124	20	
Batch 5060515 - General Preparation									
Blank (5060515-BLK1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5060515-BS1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Cyanide (total)	31.2	1.00 mg/kg wet	30.0		104	90-110			
Matrix Spike (5060515-MS1)			Source: SA29013-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Cyanide (total)	46.7	1.45 mg/kg dry	43.6	BRL	107	75-125			
Matrix Spike Dup (5060515-MSD1)			Source: SA29013-01		Prepared: 07-Jun-05 Analyzed: 08-Jun-05				
Cyanide (total)	46.0	1.45 mg/kg dry	43.5	BRL	106	75-125	1.51	20	
Reference (5060515-SRM1)			Prepared: 07-Jun-05 Analyzed: 08-Jun-05						
Cyanide (total)	181	4.76 mg/kg wet	122		148	40-160			
Batch 5060599 - General Preparation									
Blank (5060599-BLK1)			Prepared: 08-Jun-05 Analyzed: 09-Jun-05						
Cyanide (total)	BRL	1.00 mg/kg wet							
LCS (5060599-BS1)			Prepared: 08-Jun-05 Analyzed: 09-Jun-05						
Cyanide (total)	31.4	1.00 mg/kg wet	30.0		105	90-110			
Matrix Spike (5060599-MS1)			Source: SA29013-20		Prepared: 08-Jun-05 Analyzed: 09-Jun-05				
Cyanide (total)	33.9	1.31 mg/kg dry	39.2	BRL	86.5	75-125			
Matrix Spike Dup (5060599-MSD1)			Source: SA29013-20		Prepared: 08-Jun-05 Analyzed: 09-Jun-05				
Cyanide (total)	35.5	1.28 mg/kg dry	38.5	BRL	92.2	75-125	4.61	20	
Reference (5060599-SRM1)			Prepared: 08-Jun-05 Analyzed: 09-Jun-05						
Cyanide (total)	157	4.64 mg/kg wet	122		129	40-160			

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* Reportable Detection Limit BRL = Below Reporting Limit

Notes and Definitions

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR-05	RPD out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown



CHAIN OF CUSTODY RECORD

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Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinchey
ERM
5788 Widenakers Plany.
Dewitt, N.Y. 13714
 Project Mgr.: Ed Hinchey

Invoice To: _____
JANKE
 P.O. No.: _____ RQN: _____

Project No.: 0032572
 Site Name: GSP
 Location: Dewitt State: NY
 Sample(s): MN + NR

1=Na₂S₂O₂ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id.	Sample Id.	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Nickel	Copper	Cyanide
SA2901301	GSP-200 (3-6)	3 June 05	0845	G	SO	ice	1				X	X	X	X
02	GSP-200 (13-16)		0853											
03	GSP-201 (3-6)		0905											
04	GSP-202 (3-6)		0915											
05	GSP-202 (13-16)		0920											
06	GSP-203 (3-6)		0945											
07	GSP-203 (13-16)		0955											
08	GSP-204 (3-6)		1008											
09	GSP-205 (3-6)		1025											
10	GSP-205 (13-16)		1030											

Containers:

Analyses:

QA Reporting Notes:

(check if needed)

State specific reporting standards
 If applicable please list below

- ☐ Provide MCP CAM Report
- Were all field QC requirements met as per MADEP CAM Section 2.0?
- ☐ Yes ☐ No
- (Response required for CAM reports)

☒ Fax results when available to (315) 445-2543
☒ E-mail to ed.hinchey@erm.com
 EDD Format _____

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 4°C

Relinquished by:

Daniel W. Myers
FedEx

Received by:

Joe Kozick

Date:

6/3/05
6/4/05

Time:

15:00
11:25 AM



CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 9 June
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Ed Hinchey
ERM

Invoice To: SAME

Project No.: 0032572

Site Name: GSP

Location: Dewitt State: NY

Sampler(s): MN + NR

Project Mgr.: Ed Hinchey

P.O. No.: _____ RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₃ 9= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grah C=Composite

Containers:

Analyses:

QA Reporting Notes:

(check if needed)
State specific reporting standards
If applicable, please list below

- ☐ Provide MCP CAM Report
- Were all field QC requirements met as per MADEP CAM Section 2.0?
- ☐ Yes ☐ No
- (Resonance required for CAM reports)

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Nickel	Copper	Cyanide
5709013-11	GSP-208(3-6)	3 June 05	1050	G	SO	ice	1				X	X	X	X
12	GSP-208(13-16)		1055	G										
13	GSP-207(3-6)		1105											
14	GSP-206(3-6)		1107											
15	GSP-204(13-16)		1115											
16	GSP-209(3-6)		1125											
17	GSP-209(13-16)		1130											
18	GSP-210(3-6)		1137											
19	GSP-211(3-6)		1146											
20	GSP-211(13-16)		1150											

☒ Fax results when available to (315) 445-2543
☒ E-mail to ed.hinchey@erm.com
EDD Format _____

Condition upon receipt: ☒ Cool ☐ Ambient ☐ °C 4°C

Relinquished by: David W. Myers
Fed X

Received by:

Joe Kozick

Date:

6/3/05
6/4/05

Time:

15:00
11:25 AM



CHAIN OF CUSTODY RECORD

Page 3 of 14

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/9/05
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Widewaters Parkway
Dewitt, N.Y. 13214

Invoice To: SAME

Project No.: 0032572

Site Name: General Super Plating

Location: Dewitt State: NY

Project Mgr.: Ed Hinchey

P.O. No.: 0032572 RQN: _____

Sampler(s): NNR, MN, DWM

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₃ 9= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Containers:

Analyses:

QA Reporting Notes:

(check if needed)

State specific reporting standards
 If applicable, please list below:

- ☐ Provide MCP CAM Report
 Were all field QC requirements met
 as per MADEP CAM Section 2.0?
☐ Yes ☐ No
 (Response required for CAM reports)

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Nickel	Copper	Total Cyanide
SP129013-21	GSP-212 (3" x 4")	6/3/05	12:10	G	SO	ICE	1				X	X		
22	GSP-212 (3" x 4")		12:12				1				X	X		
23	GSP-213 (3" x 4")		12:13				1				X	X		
24	GSP-214 (3" x 4")		12:13				1				X	X		
25	GSP-214 (12" x 16")		12:14				1				X	X		
26	GSP-215 (12" x 16")		12:18				1				X	X		
27	GSP-215 (12" x 16")		12:20				1				X	X		
28	GSP-216 (3" x 6")		12:22				1				X	X		
29	GSP-217 (3" x 6")		12:23				1				X	X		
30	GSP-217 (12" x 16")		12:26				1				X	X		

☒ Fax results when available to (315) 445-2543

☒ E-mail to ed.hinchey@erm.com

EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:

David M. Myers
FedEx

Received by:

Joe Kozick

Date:

6/3/05 15:00
6/9/05 11:25 AM

Time:



SPECTRUM ANALYTICAL, INC.
Framingham
MASSACHUSETTS

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 6/9/05
 All TATs subject to laboratory approval
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
5788 Wilbraham Parkway
Dewitt, N.Y. 13214

Invoice To: SAME

Project No.: 0032572
 Site Name: General Super Plating
 Location: Dewitt State: NY
 Sample(s): NRR, MN, DWM

Project Mgr.: Ed Hinchey

P.O. No.: 6032572 RQN: _____

1 Na₂S₂O₄ 2 HCl 3 H₂SO₄ 4 HNO₃ 5 NaOH 6 Ascorbic Acid
 7 CH₃OH 8 NaHSO₄ 9 _____ 10 _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1 _____ X2 _____ X3 _____

Containers:

Analyses:

QA Reporting Notes:

(check if needed)

State specific reporting standards
 If applicable, please list below:

- ☐ Provide MUP CAM Report
 Were all field QC requirements met
 as per MADEP CAM Section 2.0?
☐ Yes ☐ No
 (Response required for CAM report)

G Grab C-Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total Chromium	Total Copper	Total Cyanide
<u>SA29013-31</u>	<u>GSP-218 (3-6)</u>	<u>6/3/05</u>	<u>12:30</u>	<u>G</u>	<u>SO</u>	<u>ICE</u>	<u>1</u>	<u>1</u>			<u>X</u>	<u>X</u>	
<u>32</u>	<u>GSP-219 (3-6)</u>	<u>↓</u>	<u>1305</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				<u>↓</u>	<u>↓</u>	
<u>33</u>	<u>GSP-220 (3-6)</u>	<u>↓</u>	<u>1311</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				<u>↓</u>	<u>↓</u>	
<u>34</u>	<u>GSP-221 (3-6)</u>	<u>↓</u>	<u>1318</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				<u>↓</u>	<u>↓</u>	

☒ Fax results when available to 215 445-2584

☒ E-mail to ed.hinchey@erm.com

EDD Format _____

Condition upon receipt: ☒ Cool ☐ Ambient ☐ °C 4°C

Relinquished by:

Donald W. Myers
Fed X

Received by:

Joe Kozick

Date:

6/3/05
6/9/05

Time:

15:00

11:25 PM

A

B

C

