



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 03, 2009

Jessica Vickers
Tetra Tech EM Inc.
1955 Evergreen Blvd.
Bldg 200 Suite 300
Duluth, GA 30096

TEL: (678) 775-3104
FAX (678) 775-3138

RE: Powder Springs Plating ER

Order No.: 0910L22

Dear Jessica Vickers:

Analytical Environmental Services, Inc. received 13 samples on 10/26/2009 5:25:00 PM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/11.

These results relate only to the items tested. This report may only be reproduced in full and contains 49 total pages (including cover letter).

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

Sincerely,

Blair Stout
Project Manager

CHAIN OF CUSTODY

Work Order:

2270150

AFS TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Date: 10-26-9

Page of

[illegible]

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice SM+I = Sodium Bisulfate/Methanol + ice O = Other (specify)

N.A. = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Tetra Tech

Work Order Number 0910L22

Checklist completed by Erol J. [Signature] Date 10/26/09

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ☐ No ☒

Cooler #1 Amber Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☐ No ☒

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☒ Yes ☐ No ☐

Water - pH acceptable upon receipt? Yes ☐ No ☐ Not Applicable ☒

Adjusted? ☐ Checked by ☐

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Quality Assurance\\Checklists Procedures Sign-Off Templates\\Checklists\\Sample Receipt Checklists\\Sample_Cooler_Receipt_Checklist

CLIENT: Tetra Tech EM Inc.
Project: Powder Springs Plating ER
Lab Order: 0910L22

CASE NARRATIVE

Sample Receiving Nonconformance:

Samples were received at ambient temperature, outside of the required temperature range of 0-6°C. No ice was present.

10/27/09 9:06 a.m. - Per Jessica Vickers via phone, results were needed on 10/28/09 and results were also sent to Chuck.Berry@ttemi.com.

10/27/09 9:50a.m. - Jessica Vickers was notified, via email, that the samples were received at ambient temperature and that the lab proceeded with the analyses.

pH Analysis by Method SW9045D:

All samples for pH analysis by Method 9045D were received and analyzed outside of the holding time requirement of "immediate or 15 minutes".

The following samples were split after receipt at the laboratory to prepare samples needed for the analyses requested:

-0910L22-001B, -004B, and -005B were split from 0910L22-001A, -004A, and -005A, respectively, to prepare sample needed for pH analysis.

-0910L22-002A and -002C were split from 0910L22-002B to prepare samples needed for TCLP VOCs and pH analyses.

-0910L22-003A and -006A - Unpreserved vial needed fore each was split from the 8oz jar received for each sample.

-0910L22-007A, -007C, and -007D were split from 0910L22-007B to prepare samples needed for TCLP VOCs, PCBs, Ignitability, %water, and TOX.

Flashpoint by Method SW1010:

Due to limited sample, duplicate analysis was not performed on sample 0910L22-007C for Flashpoint by Method SW1010.

Semi-Volatile Organics Analysis by Method SW1311/8270C:

Due to sample matrix, samples 0910L22-003B and -006B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Metals Analysis by Method 1311/6010B:

CLIENT: Tetra Tech EM Inc.
Project: Powder Springs Plating ER
Lab Order: 0910L22

CASE NARRATIVE

Due to sample matrix, samples 0910L22-001A, -005A, and -006B required dilutions during analysis resulting in elevated reporting limits.

PCB Analysis by Method 8082A:

LCS-120534 recovery for the surrogate Tetrachloro-m-xylene was outside control limits biased high. The target analytes were not detected in the analytical samples, and data is reportable with high bias.

Reactive Cyanide Analysis by SW7.3.3.2:

Due to the nature of sample 0910L22-008, LCSD and sample DUP were used as representative QC. MS/MSD was not reported.

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-001

Client Sample ID: CHROMIC ACID LIQUIDS
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
MERCURY, TCLP SW1311/7470A				(SW7470)				Analyst: MAW
Mercury	0.0165		0.000288	0.00400	mg/L	120519	1	10/28/2009 4:47:44 PM
ICP METALS, TCLP SW1311/6010C				(SW3010A)				Analyst: JY
Arsenic	40.1	*	0.467	2.50	mg/L	120539	10	10/28/2009 7:22:30 PM
Barium	BRL		0.0455	5.00	mg/L	120539	10	10/28/2009 7:22:30 PM
Cadmium	0.778		0.175	0.250	mg/L	120539	10	10/28/2009 7:22:30 PM
Chromium	53300	*	5.65	50.0	mg/L	120539	1000	10/28/2009 7:34:24 PM
Lead	5.87	*	0.104	0.500	mg/L	120539	10	10/28/2009 7:22:30 PM
Selenium	0.520	J	0.357	1.00	mg/L	120539	10	10/28/2009 7:22:30 PM
Silver	1.14		0.0540	0.250	mg/L	120539	10	10/28/2009 7:22:30 PM
LABORATORY HYDROGEN ION (PH) SW9045D				(SW9045D)				Analyst: CG
pH	0.92	H	0.01	0.01	pH Units	120538	1	10/27/2009 5:50:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
> Greater than Result value
E Estimated value above quantitation range
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-002

Client Sample ID: NEUTRAL LIQUIDS
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
SEMIVOLATILES ORGANICS, TCLP SW1311/8270D (SW3510) Analyst: YH								
1,4-Dichlorobenzene	BRL		0.017	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
2,4,5-Trichlorophenol	BRL		0.013	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
2,4,6-Trichlorophenol	BRL		0.0098	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
2,4-Dinitrotoluene	BRL		0.014	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Hexachlorobenzene	BRL		0.015	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Hexachlorobutadiene	BRL		0.015	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Hexachloroethane	BRL		0.014	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
m,p-Cresol	BRL		0.019	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Nitrobenzene	BRL		0.019	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
o-Cresol	BRL		0.012	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Pentachlorophenol	0.13	J	0.053	0.50	mg/L	120540	1	10/28/2009 4:29:00 PM
Pyridine	BRL		0.022	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Cresols, Total	BRL		0.050	0.10	mg/L	120540	1	10/28/2009 4:29:00 PM
Surr: 2,4,6-Tribromophenol	73.6		0	61.7-146	%REC	120540	1	10/28/2009 4:29:00 PM
Surr: 2-Fluorobiphenyl	60.1		0	55.3-124	%REC	120540	1	10/28/2009 4:29:00 PM
Surr: 2-Fluorophenol	83.1		0	44.5-119	%REC	120540	1	10/28/2009 4:29:00 PM
Surr: 4-Terphenyl-d14	51.2		0	48.6-134	%REC	120540	1	10/28/2009 4:29:00 PM
Surr: Nitrobenzene-d5	81.9		0	55-125	%REC	120540	1	10/28/2009 4:29:00 PM
Surr: Phenol-d5	80.2		0	38.3-125	%REC	120540	1	10/28/2009 4:29:00 PM
MERCURY, TCLP SW1311/7470A (SW7470) Analyst: MAW								
Mercury	0.000387	J	0.000288	0.00400	mg/L	120519	1	10/28/2009 4:53:41 PM
ICP METALS, TCLP SW1311/6010C (SW3010A) Analyst: JY								
Arsenic	BRL		0.0467	0.250	mg/L	120539	1	10/28/2009 6:52:00 PM
Barium	0.0939	J	0.00455	0.500	mg/L	120539	1	10/28/2009 6:52:00 PM
Cadmium	BRL		0.0175	0.0250	mg/L	120539	1	10/28/2009 6:52:00 PM
Chromium	0.571		0.00565	0.0500	mg/L	120539	1	10/28/2009 6:52:00 PM
Lead	0.0126	J	0.0105	0.0500	mg/L	120539	1	10/28/2009 6:52:00 PM
Selenium	BRL		0.0357	0.100	mg/L	120539	1	10/28/2009 6:52:00 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 6:52:00 PM
VOLATILES, TCLP SW1311/8260B (SW5030B) Analyst: NKG								
1,1-Dichloroethene	BRL		0.014	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
1,2-Dichloroethane	BRL		0.012	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
2-Butanone	BRL		0.057	0.20	mg/L	120551	20	10/28/2009 5:23:00 PM
Benzene	BRL		0.0070	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
Carbon tetrachloride	BRL		0.0084	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
Chlorobenzene	BRL		0.0078	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
Chloroform	BRL		0.0086	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
> Greater than Result value
E Estimated value above quantitation range
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-002

Client Sample ID: NEUTRAL LIQUIDS
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
VOLATILES, TCLP SW1311/8260B				(SW5030B)				Analyst: NKG
Tetrachloroethene	BRL		0.0088	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
Trichloroethene	BRL		0.011	0.10	mg/L	120551	20	10/28/2009 5:23:00 PM
Vinyl chloride	BRL		0.015	0.040	mg/L	120551	20	10/28/2009 5:23:00 PM
Surr: 4-Bromofluorobenzene	101		0	65.3-127	%REC	120551	20	10/28/2009 5:23:00 PM
Surr: Dibromofluoromethane	108		0	76.3-123	%REC	120551	20	10/28/2009 5:23:00 PM
Surr: Toluene-d8	99.2		0	82-119	%REC	120551	20	10/28/2009 5:23:00 PM
LABORATORY HYDROGEN ION (PH) SW9045D				(SW9045D)				Analyst: CG
pH	6.52	H	0.01	0.01	pH Units	120538	1	10/27/2009 5:50:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-003

Client Sample ID: BASIC SOLIDS
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
SEMIVOLATILES ORGANICS, TCLP SW1311/8270D (SW3510) Analyst: YH								
1,4-Dichlorobenzene	BRL		0.086	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
2,4,5-Trichlorophenol	BRL		0.065	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
2,4,6-Trichlorophenol	BRL		0.049	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
2,4-Dinitrotoluene	BRL		0.068	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Hexachlorobenzene	BRL		0.074	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Hexachlorobutadiene	BRL		0.074	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Hexachloroethane	BRL		0.072	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
m,p-Cresol	BRL		0.094	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Nitrobenzene	BRL		0.094	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
o-Cresol	BRL		0.062	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Pentachlorophenol	190	*	26	50	mg/L	120540	500	10/28/2009 5:36:00 PM
Pyridine	BRL		0.11	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Cresols, Total	BRL		0.25	0.50	mg/L	120540	5	10/28/2009 4:41:00 PM
Surr: 2,4,6-Tribromophenol	45.2	S	0	61.7-146	%REC	120540	5	10/28/2009 4:41:00 PM
Surr: 2-Fluorobiphenyl	41.6	S	0	55.3-124	%REC	120540	5	10/28/2009 4:41:00 PM
Surr: 2-Fluorophenol	5.95	S	0	44.5-119	%REC	120540	5	10/28/2009 4:41:00 PM
Surr: 4-Terphenyl-d14	45.5	S	0	48.6-134	%REC	120540	5	10/28/2009 4:41:00 PM
Surr: Nitrobenzene-d5	47.4	S	0	55-125	%REC	120540	5	10/28/2009 4:41:00 PM
Surr: Phenol-d5	52.0		0	38.3-125	%REC	120540	5	10/28/2009 4:41:00 PM
MERCURY, TCLP SW1311/7470A (SW7470) Analyst: MAW								
Mercury	0.000358	J	0.000288	0.00400	mg/L	120519	1	10/28/2009 4:55:47 PM
ICP METALS, TCLP SW1311/6010C (SW3010A) Analyst: JY								
Arsenic	BRL		0.0467	0.250	mg/L	120539	1	10/28/2009 7:10:19 PM
Barium	0.326	J	0.00455	0.500	mg/L	120539	1	10/28/2009 7:10:19 PM
Cadmium	0.0178	J	0.0175	0.0250	mg/L	120539	1	10/28/2009 7:10:19 PM
Chromium	31.0	*	0.00565	0.0500	mg/L	120539	1	10/28/2009 7:10:19 PM
Lead	0.281		0.0105	0.0500	mg/L	120539	1	10/28/2009 7:10:19 PM
Selenium	BRL		0.0357	0.100	mg/L	120539	1	10/28/2009 7:10:19 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 7:10:19 PM
VOLATILES, TCLP SW1311/8260B (SW5030B) Analyst: NKG								
1,1-Dichloroethene	BRL		0.014	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
1,2-Dichloroethane	BRL		0.012	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
2-Butanone	BRL		0.057	0.20	mg/L	120551	20	10/28/2009 6:17:00 PM
Benzene	BRL		0.0070	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
Carbon tetrachloride	BRL		0.0084	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
Chlorobenzene	BRL		0.0078	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
Chloroform	0.070	J	0.0086	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-003

Client Sample ID: BASIC SOLIDS
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
VOLATILES, TCLP SW1311/8260B				(SW5030B)				Analyst: NKG
Tetrachloroethene	BRL		0.0088	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
Trichloroethene	BRL		0.011	0.10	mg/L	120551	20	10/28/2009 6:17:00 PM
Vinyl chloride	BRL		0.015	0.040	mg/L	120551	20	10/28/2009 6:17:00 PM
Surr: 4-Bromofluorobenzene	98.7		0	65.3-127	%REC	120551	20	10/28/2009 6:17:00 PM
Surr: Dibromofluoromethane	106		0	76.3-123	%REC	120551	20	10/28/2009 6:17:00 PM
Surr: Toluene-d8	98.1		0	82-119	%REC	120551	20	10/28/2009 6:17:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	<	Less than Result value
	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix
			BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-004

Client Sample ID: BASIC LIQUIDS
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
MERCURY, TCLP SW1311/7470A				(SW7470)				Analyst: MAW
Mercury	0.000391	J	0.000288	0.00400	mg/L	120519	1	10/28/2009 4:57:45 PM
ICP METALS, TCLP SW1311/6010C				(SW3010A)				Analyst: JY
Arsenic	0.0575	J	0.0467	0.250	mg/L	120539	1	10/28/2009 7:15:42 PM
Barium	0.0785	J	0.00455	0.500	mg/L	120539	1	10/28/2009 7:15:42 PM
Cadmium	BRL		0.0175	0.0250	mg/L	120539	1	10/28/2009 7:15:42 PM
Chromium	2.99		0.00565	0.0500	mg/L	120539	1	10/28/2009 7:15:42 PM
Lead	0.372		0.0105	0.0500	mg/L	120539	1	10/28/2009 7:15:42 PM
Selenium	0.0503	J	0.0357	0.100	mg/L	120539	1	10/28/2009 7:15:42 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 7:15:42 PM
LABORATORY HYDROGEN ION (PH) SW9045D				(SW9045D)				Analyst: CG
pH	13.9	H	0.01	0.01	pH Units	120538	1	10/27/2009 5:50:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-005

Client Sample ID: WASTEWATER
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
MERCURY, TCLP SW1311/7470A				(SW7470)				Analyst: MAW
Mercury	0.00139	J	0.000288	0.00400	mg/L	120519	1	10/28/2009 4:59:42 PM
ICP METALS, TCLP SW1311/6010C				(SW3010A)				Analyst: JY
Arsenic	4.96		0.467	2.50	mg/L	120539	10	10/28/2009 7:37:55 PM
Barium	0.437	J	0.0455	5.00	mg/L	120539	10	10/28/2009 7:37:55 PM
Cadmium	BRL		0.175	0.250	mg/L	120539	10	10/28/2009 7:37:55 PM
Chromium	6560	*	0.565	5.00	mg/L	120539	100	10/28/2009 7:45:09 PM
Lead	BRL		0.104	0.500	mg/L	120539	10	10/28/2009 7:37:55 PM
Selenium	BRL		0.357	1.00	mg/L	120539	10	10/28/2009 7:37:55 PM
Silver	0.108	J	0.0540	0.250	mg/L	120539	10	10/28/2009 7:37:55 PM
LABORATORY HYDROGEN ION (PH) SW9045D				(SW9045D)				Analyst: CG
pH	2.77	H	0.01	0.01	pH Units	120538	1	10/27/2009 5:50:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-006

Client Sample ID: ACIDIC SOLIDS
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
SEMIVOLATILES ORGANICS, TCLP SW1311/8270D (SW3510) Analyst: YH								
1,4-Dichlorobenzene	BRL		0.17	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
2,4,5-Trichlorophenol	BRL		0.13	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
2,4,6-Trichlorophenol	BRL		0.098	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
2,4-Dinitrotoluene	BRL		0.14	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Hexachlorobenzene	BRL		0.15	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Hexachlorobutadiene	BRL		0.15	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Hexachloroethane	BRL		0.14	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
m,p-Cresol	BRL		0.19	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Nitrobenzene	BRL		0.19	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
o-Cresol	BRL		0.12	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Pentachlorophenol	0.62	J	0.53	5.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Pyridine	BRL		0.22	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Cresols, Total	BRL		0.50	1.0	mg/L	120540	5	10/28/2009 5:08:00 PM
Surr: 2,4,6-Tribromophenol	60.6	S	0	61.7-146	%REC	120540	5	10/28/2009 5:08:00 PM
Surr: 2-Fluorobiphenyl	60.4		0	55.3-124	%REC	120540	5	10/28/2009 5:08:00 PM
Surr: 2-Fluorophenol	59.1		0	44.5-119	%REC	120540	5	10/28/2009 5:08:00 PM
Surr: 4-Terphenyl-d14	58.6		0	48.6-134	%REC	120540	5	10/28/2009 5:08:00 PM
Surr: Nitrobenzene-d5	71.2		0	55-125	%REC	120540	5	10/28/2009 5:08:00 PM
Surr: Phenol-d5	111		0	38.3-125	%REC	120540	5	10/28/2009 5:08:00 PM
MERCURY, TCLP SW1311/7470A (SW7470) Analyst: MAW								
Mercury	0.000613	J	0.000288	0.00400	mg/L	120519	1	10/28/2009 5:01:38 PM
ICP METALS, TCLP SW1311/6010C (SW3010A) Analyst: JY								
Arsenic	BRL		0.467	2.50	mg/L	120539	10	10/28/2009 7:41:32 PM
Barium	0.108	J	0.0455	5.00	mg/L	120539	10	10/28/2009 7:41:32 PM
Cadmium	0.182	J	0.175	0.250	mg/L	120539	10	10/28/2009 7:41:32 PM
Chromium	21.2	*	0.0565	0.500	mg/L	120539	10	10/28/2009 7:41:32 PM
Lead	3.16		0.104	0.500	mg/L	120539	10	10/28/2009 7:41:32 PM
Selenium	BRL		0.357	1.00	mg/L	120539	10	10/28/2009 7:41:32 PM
Silver	BRL		0.0540	0.250	mg/L	120539	10	10/28/2009 7:41:32 PM
VOLATILES, TCLP SW1311/8260B (SW5030B) Analyst: NKG								
1,1-Dichloroethene	0.060	J	0.014	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
1,2-Dichloroethane	0.14		0.012	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
2-Butanone	12		0.29	1.0	mg/L	120551	100	10/28/2009 4:58:00 PM
Benzene	0.14		0.0070	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
Carbon tetrachloride	BRL		0.0084	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
Chlorobenzene	BRL		0.0078	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
Chloroform	1.7		0.0086	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
> Greater than Result value
E Estimated value above quantitation range
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-006

Client Sample ID: ACIDIC SOLIDS
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
VOLATILES, TCLP SW1311/8260B				(SW5030B)				Analyst: NKG
Tetrachloroethene	0.082	J	0.0088	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
Trichloroethene	0.15		0.011	0.10	mg/L	120551	20	10/28/2009 3:38:00 PM
Vinyl chloride	BRL		0.015	0.040	mg/L	120551	20	10/28/2009 3:38:00 PM
Surr: 4-Bromofluorobenzene	92.1		0	65.3-127	%REC	120551	20	10/28/2009 3:38:00 PM
Surr: 4-Bromofluorobenzene	94.9		0	65.3-127	%REC	120551	100	10/28/2009 4:58:00 PM
Surr: Dibromofluoromethane	106		0	76.3-123	%REC	120551	20	10/28/2009 3:38:00 PM
Surr: Dibromofluoromethane	105		0	76.3-123	%REC	120551	100	10/28/2009 4:58:00 PM
Surr: Toluene-d8	99.9		0	82-119	%REC	120551	20	10/28/2009 3:38:00 PM
Surr: Toluene-d8	98.7		0	82-119	%REC	120551	100	10/28/2009 4:58:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	<	Less than Result value
	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix
			BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-007

Client Sample ID: OIL + WATER
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
IGNITABILITY SW1010								
Ignitability	180	>	0	0	°F			Analyst: AZS 1 10/28/2009
SEMIVOLATILES ORGANICS, TCLP SW1311/8270D (SW3510)								
1,4-Dichlorobenzene	BRL		0.017	0.10	mg/L	120540	1	Analyst: YH 10/28/2009 4:55:00 PM
2,4,5-Trichlorophenol	BRL		0.013	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
2,4,6-Trichlorophenol	BRL		0.0098	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
2,4-Dinitrotoluene	BRL		0.014	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Hexachlorobenzene	BRL		0.015	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Hexachlorobutadiene	BRL		0.015	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Hexachloroethane	BRL		0.014	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
m,p-Cresol	0.93		0.019	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Nitrobenzene	BRL		0.019	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
o-Cresol	0.28		0.012	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Pentachlorophenol	BRL		0.053	0.50	mg/L	120540	1	10/28/2009 4:55:00 PM
Pyridine	BRL		0.022	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Cresols, Total	1.2		0.050	0.10	mg/L	120540	1	10/28/2009 4:55:00 PM
Surr: 2,4,6-Tribromophenol	101		0	61.7-146	%REC	120540	1	10/28/2009 4:55:00 PM
Surr: 2-Fluorobiphenyl	91.0		0	55.3-124	%REC	120540	1	10/28/2009 4:55:00 PM
Surr: 2-Fluorophenol	89.8		0	44.5-119	%REC	120540	1	10/28/2009 4:55:00 PM
Surr: 4-Terphenyl-d14	82.3		0	48.6-134	%REC	120540	1	10/28/2009 4:55:00 PM
Surr: Nitrobenzene-d5	90.9		0	55-125	%REC	120540	1	10/28/2009 4:55:00 PM
Surr: Phenol-d5	89.4		0	38.3-125	%REC	120540	1	10/28/2009 4:55:00 PM
MERCURY, TCLP SW1311/7470A (SW7470)								
Mercury	BRL		0.000288	0.00400	mg/L	120519	1	Analyst: MAW 10/28/2009 4:36:00 PM
ICP METALS, TCLP SW1311/6010C (SW3010A)								
Arsenic	BRL		0.0467	0.250	mg/L	120539	1	Analyst: JY 10/28/2009 6:55:43 PM
Barium	0.405	J	0.00455	0.500	mg/L	120539	1	10/28/2009 6:55:43 PM
Cadmium	BRL		0.0175	0.0250	mg/L	120539	1	10/28/2009 6:55:43 PM
Chromium	BRL		0.00565	0.0500	mg/L	120539	1	10/28/2009 6:55:43 PM
Lead	BRL		0.0105	0.0500	mg/L	120539	1	10/28/2009 6:55:43 PM
Selenium	BRL		0.0357	0.100	mg/L	120539	1	10/28/2009 6:55:43 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 6:55:43 PM
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL		0.014	0.10	mg/L	120551	20	Analyst: NKG 10/28/2009 2:47:00 PM
1,2-Dichloroethane	BRL		0.012	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
2-Butanone	BRL		0.057	0.20	mg/L	120551	20	10/28/2009 2:47:00 PM
Benzene	0.067	J	0.0070	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
> Greater than Result value
E Estimated value above quantitation range
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-007

Client Sample ID: OIL + WATER
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
VOLATILES, TCLP SW1311/8260B (SW5030B) Analyst: NKG								
Carbon tetrachloride	BRL		0.0084	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
Chlorobenzene	BRL		0.0078	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
Chloroform	BRL		0.0086	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
Tetrachloroethene	BRL		0.0088	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
Trichloroethene	BRL		0.011	0.10	mg/L	120551	20	10/28/2009 2:47:00 PM
Vinyl chloride	BRL		0.015	0.040	mg/L	120551	20	10/28/2009 2:47:00 PM
Surr: 4-Bromofluorobenzene	98.9		0	65.3-127	%REC	120551	20	10/28/2009 2:47:00 PM
Surr: Dibromofluoromethane	102		0	76.3-123	%REC	120551	20	10/28/2009 2:47:00 PM
Surr: Toluene-d8	99.1		0	82-119	%REC	120551	20	10/28/2009 2:47:00 PM
POLYCHLORINATED BIPHENYLS SW8082A (SW3580) Analyst: KDD								
Aroclor 1016	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1221	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1232	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1242	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1248	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1254	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Aroclor 1260	BRL		0.98	0.98	mg/Kg	120534	1	10/28/2009 3:50:00 PM
Surr: Decachlorobiphenyl	165		0	45.4-192	%REC	120534	1	10/28/2009 3:50:00 PM
Surr: Tetrachloro-m-xylene	92.1		0	40.3-187	%REC	120534	1	10/28/2009 3:50:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	<	Less than Result value
	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix
			BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-008

Client Sample ID: CYANIDE
Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
MERCURY, TCLP SW1311/7470A				(SW7470)				Analyst: MAW
Mercury	BRL		0.000288	0.00400	mg/L	120519	1	10/28/2009 4:43:47 PM
ICP METALS, TCLP SW1311/6010C				(SW3010A)				Analyst: JY
Arsenic	BRL		0.0467	0.250	mg/L	120539	1	10/28/2009 6:32:16 PM
Barium	0.142	J	0.00455	0.500	mg/L	120539	1	10/28/2009 6:32:16 PM
Cadmium	BRL		0.0175	0.0250	mg/L	120539	1	10/28/2009 6:32:16 PM
Chromium	0.0193	J	0.00565	0.0500	mg/L	120539	1	10/28/2009 6:32:16 PM
Lead	0.0186	J	0.0105	0.0500	mg/L	120539	1	10/28/2009 6:32:16 PM
Selenium	BRL		0.0357	0.100	mg/L	120539	1	10/28/2009 6:32:16 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 6:32:16 PM
CYANIDE, REACTIVE SW7.3.3.2				(SW7.3.3.2)				Analyst: CG
Cyanide, Reactive	43.4		2.00	2.00	mg/Kg	120557	1	10/28/2009 12:30:00 P
CYANIDE, TOTAL SW9014				(SW9010)				Analyst: CG
Cyanide, Total	108000		1920	10000	mg/Kg	120556	5000	10/28/2009 2:45:00 PM

Qualifiers:
 * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-009

Client Sample ID: NONHAZ DEBRIS
 Collection Date: 10/26/2009

Matrix: WASTE

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
MERCURY, TCLP SW1311/7470A				(SW7470)				Analyst: MAW
Mercury	BRL		0.000288	0.00400	mg/L	120519	1	10/28/2009 4:45:47 PM
ICP METALS, TCLP SW1311/6010C				(SW3010A)				Analyst: JY
Arsenic	BRL		0.0467	0.250	mg/L	120539	1	10/28/2009 7:06:20 PM
Barium	0.275	J	0.00455	0.500	mg/L	120539	1	10/28/2009 7:06:20 PM
Cadmium	BRL		0.0175	0.0250	mg/L	120539	1	10/28/2009 7:06:20 PM
Chromium	2.97		0.00565	0.0500	mg/L	120539	1	10/28/2009 7:06:20 PM
Lead	0.0388	J	0.0105	0.0500	mg/L	120539	1	10/28/2009 7:06:20 PM
Selenium	BRL		0.0357	0.100	mg/L	120539	1	10/28/2009 7:06:20 PM
Silver	BRL		0.00540	0.0250	mg/L	120539	1	10/28/2009 7:06:20 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	<	Less than Result value
	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix
			BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
Lab Order: 0910L22
Project: Powder Springs Plating ER
Lab ID: 0910L22-010

Client Sample ID: S-01
Collection Date: 10/26/2009 2:30:00 PM

Matrix: SOIL

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
METALS, TOTAL SW6010C				(SW3050B)				Analyst: TAA
Arsenic	0.418	J	0.136	6.24	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Barium	61.7		0.102	6.24	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Cadmium	0.432	J	0.0502	3.12	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Chromium	988		0.131	3.12	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Lead	35.5		0.0993	6.24	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Selenium	1.24	J	0.205	6.24	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
Silver	BRL		0.0467	3.12	mg/Kg-dry	120457	1	10/28/2009 11:11:27 A
HEXAVALENT CHROMIUM SW7196				(SW3060A)				Analyst: CG
Chromium, Hexavalent	10.9		0.847	1.40	mg/Kg-dry	120558	1	10/28/2009 4:15:00 PM
TOTAL MERCURY SW7471A				(SW7471)				Analyst: MAW
Mercury	BRL		0.124	0.142	mg/Kg-dry	120518	1	10/28/2009 2:03:58 PM
PERCENT MOISTURE D2216								Analyst: AZS
Percent Moisture	30.0		0	0	wt%		1	10/27/2009 5:00:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- > Greater than Result value
- E Estimated value above quantitation range
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit

- < Less than Result value
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-011

Client Sample ID: S-02
 Collection Date: 10/26/2009 2:45:00 PM

Matrix: SOIL

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
METALS, TOTAL SW6010C				(SW3050B)				Analyst: TAA
Arsenic	4.59	J	0.131	6.01	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
Barium	71.1		0.0978	6.01	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
Cadmium	0.485	J	0.0483	3.00	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
Chromium	2130		0.505	12.0	mg/Kg-dry	120457	4	10/28/2009 12:18:26 P
Lead	31.5		0.0955	6.01	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
Selenium	0.711	J	0.198	6.01	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
Silver	BRL		0.0449	3.00	mg/Kg-dry	120457	1	10/28/2009 11:14:43 A
HEXAVALENT CHROMIUM SW7196				(SW3060A)				Analyst: CG
Chromium, Hexavalent	341		73.5	122	mg/Kg-dry	120558	100	10/28/2009 4:15:00 PM
TOTAL MERCURY SW7471A				(SW7471)				Analyst: MAW
Mercury	BRL		0.109	0.125	mg/Kg-dry	120518	1	10/28/2009 2:06:02 PM
PERCENT MOISTURE D2216								Analyst: AZS
Percent Moisture	20.9		0	0	wt%		1	10/27/2009 5:00:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-012

Client Sample ID: S-03
 Collection Date: 10/26/2009 3:00:00 PM

Matrix: SOIL

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
METALS, TOTAL SW6010C				(SW3050B)				Analyst: TAA
Arsenic	4.06	J	0.113	5.19	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
Barium	87.7		0.0845	5.19	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
Cadmium	0.173	J	0.0417	2.59	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
Chromium	2470		0.436	10.4	mg/Kg-dry	120457	4	10/28/2009 12:06:29 P
Lead	557		0.0825	5.19	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
Selenium	0.768	J	0.171	5.19	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
Silver	0.0911	J	0.0388	2.59	mg/Kg-dry	120457	1	10/28/2009 10:52:07 A
HEXAVALENT CHROMIUM SW7196				(SW3060A)				Analyst: CG
Chromium, Hexavalent	1110		65.0	107	mg/Kg-dry	120558	100	10/28/2009 4:15:00 PM
TOTAL MERCURY SW7471A				(SW7471)				Analyst: MAW
Mercury	BRL		0.0916	0.105	mg/Kg-dry	120518	1	10/28/2009 2:08:06 PM
PERCENT MOISTURE D2216								Analyst: AZS
Percent Moisture	6.97		0	0	wt%		1	10/27/2009 5:00:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 02-Nov-09

CLIENT: Tetra Tech EM Inc.
 Lab Order: 0910L22
 Project: Powder Springs Plating ER
 Lab ID: 0910L22-013

Client Sample ID: S-04
 Collection Date: 10/26/2009 3:15:00 PM

Matrix: SOIL

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
METALS, TOTAL SW6010C				(SW3050B)				Analyst: TAA
Arsenic	54.4		0.137	6.30	mg/Kg-dry	120457	1	10/28/2009 11:17:59 A
Barium	268		0.103	6.30	mg/Kg-dry	120457	1	10/28/2009 11:17:59 A
Cadmium	1.19	J	0.0506	3.15	mg/Kg-dry	120457	1	10/28/2009 11:17:59 A
Chromium	36400		13.2	315	mg/Kg-dry	120457	100	10/28/2009 12:29:06 P
Lead	10300		1.00	63.0	mg/Kg-dry	120457	10	10/28/2009 12:22:26 P
Selenium	BRL		0.207	6.30	mg/Kg-dry	120457	1	10/28/2009 11:17:59 A
Silver	2.28	J	0.0471	3.15	mg/Kg-dry	120457	1	10/28/2009 11:17:59 A
HEXAVALENT CHROMIUM SW7196				(SW3060A)				Analyst: CG
Chromium, Hexavalent	14100		792	1310	mg/Kg-dry	120558	1000	10/28/2009 4:15:00 PM
TOTAL MERCURY SW7471A				(SW7471)				Analyst: MAW
Mercury	BRL		0.112	0.128	mg/Kg-dry	120518	1	10/28/2009 2:10:12 PM
PERCENT MOISTURE D2216								Analyst: AZS
Percent Moisture	23.6		0	0	wt%		1	10/27/2009 5:00:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
 > Greater than Result value
 E Estimated value above quantitation range
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 BRL Not detected at MDL

Analytical Environmental Services, Inc.

Date: 03-Nov-09

CLIENT: Tetra Tech EM Inc.

Work Order: 0910L22

Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: Ignitability SW1010

Sample ID: LCS-R158708	SampleType: LCS	Batch ID: R158708	Units: °F	Prep Date:	RunNo: 158708						
Client ID:	TestCode: Ignitability	SW1010		Analysis Date: 10/28/2009	SeqNo: 3276374						
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Ignitability	80	0	80	0	100	93.8	106.2	0	0	0	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: SEMIVOLATILES ORGANICS, TCLP SW1311/8270D

Sample ID: MB-120540	SampType: MBLK	Batch ID: 120540	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158676						
Client ID:	TestCode: SEMIVOLATILES ORGANICS, TCLP	SPK value	SPK Ref Val	Analysis Date: 10/28/2009	SeqNo: 3276343						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	BRL	0.10	0	0	0	0	0	0	0	0	
2,4,5-Trichlorophenol	BRL	0.10	0	0	0	0	0	0	0	0	
2,4,6-Trichlorophenol	BRL	0.10	0	0	0	0	0	0	0	0	
2,4-Dinitrotoluene	BRL	0.10	0	0	0	0	0	0	0	0	
Cresols, Total	BRL	0.10	0	0	0	0	0	0	0	0	
Hexachlorobenzene	BRL	0.10	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	0.10	0	0	0	0	0	0	0	0	
Hexachloroethane	BRL	0.10	0	0	0	0	0	0	0	0	
m,p-Cresol	BRL	0.10	0	0	0	0	0	0	0	0	
Nitrobenzene	BRL	0.10	0	0	0	0	0	0	0	0	
o-Cresol	BRL	0.10	0	0	0	0	0	0	0	0	
Pentachlorophenol	BRL	0.50	0	0	0	0	0	0	0	0	
Pyridine	BRL	0.10	0	0	0	0	0	0	0	0	
Surr: 2,4,6-Tribromophenol	0.9382	0	1	0	93.8	61.7	146	0	0	0	
Surr: 2-Fluorobiphenyl	0.4777	0	0.5	0	95.5	55.3	124	0	0	0	
Surr: 2-Fluorophenol	0.5894	0	1	0	58.9	44.5	119	0	0	0	
Surr: 4-Terphenyl-d14	0.5454	0	0.5	0	109	48.6	134	0	0	0	
Surr: Nitrobenzene-d5	0.3842	0	0.5	0	76.8	55	125	0	0	0	
Surr: Phenol-d5	0.7514	0	1	0	75.1	38.3	125	0	0	0	

Sample ID: LCS-120540	SampType: LCS	Batch ID: 120540	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158676						
Client ID:	TestCode: SEMIVOLATILES ORGANICS, TCLP	SW1311/8270D		Analysis Date: 10/28/2009	SeqNo: 3276359						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.9471	0.10	1	0	94.7	63.2	120	0	0		
2,4,5-Trichlorophenol	0.8802	0.10	1	0	88	73.7	127	0	0		
2,4,6-Trichlorophenol	1.126	0.10	1	0	113	76.2	123	0	0		
2,4-Dinitrotoluene	1.035	0.10	1	0	103	72.3	117	0	0		

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: SEMIVOLATILES ORGANICS, TCLP SW1311/8270D

Sample ID: LCS-120540	SampType: LCS	Batch ID: 120540	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158676						
Client ID:	TestCode: SEMIVOLATILES ORGANICS, TCLP	SW1311/8270D		Analysis Date: 10/28/2009	SeqNo: 3276359						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cresols, Total	3.042	0.10	3	0	101	74.7	121	0	0		
Hexachlorobenzene	1.07	0.10	1	0	107	80.9	121	0	0		
Hexachlorobutadiene	1.046	0.10	1	0	105	56.4	117	0	0		
Hexachloroethane	1.012	0.10	1	0	101	60.7	113	0	0		
m,p-Cresol	2.088	0.10	2	0	104	73.3	124	0	0		
Nitrobenzene	1.144	0.10	1	0	114	71.6	116	0	0		
o-Cresol	0.9536	0.10	1	0	95.4	75.8	115	0	0		
Pentachlorophenol	0.8115	0.50	1	0	81.2	60.5	136	0	0		
Pyridine	0.1589	0.10	1	0	15.9	10	120	0	0		
Surr: 2,4,6-Tribromophenol	1.076	0	1	0	108	61.7	146	0	0		
Surr: 2-Fluorobiphenyl	0.5458	0	0.5	0	109	55.3	124	0	0		
Surr: 2-Fluorophenol	0.7316	0	1	0	73.2	44.5	119	0	0		
Surr: 4-Terphenyl-d14	0.5947	0	0.5	0	119	48.6	134	0	0		
Surr: Nitrobenzene-d5	0.6185	0	0.5	0	124	55	125	0	0		
Surr: Phenol-d5	0.709	0	1	0	70.9	38.3	125	0	0		

Sample ID: 0910J85-003BMS	SampType: MS	Batch ID: 120540	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158676						
Client ID:	TestCode: SEMIVOLATILES ORGANICS, TCLP	SW1311/8270D		Analysis Date: 10/28/2009	SeqNo: 3277852						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.7801	0.10	1	0	78	54.6	120	0	0		
2,4,5-Trichlorophenol	0.7171	0.10	1	0	71.7	62.3	126	0	0		
2,4,6-Trichlorophenol	0.9513	0.10	1	0	95.1	63.5	122	0	0		
2,4-Dinitrotoluene	0.8937	0.10	1	0	89.4	59.3	118	0	0		
Cresols, Total	2.521	0.10	3	0	84	66.6	120	0	0		
Hexachlorobenzene	0.9331	0.10	1	0	93.3	61.5	123	0	0		
Hexachlorobutadiene	0.8698	0.10	1	0	87	50.6	120	0	0		
Hexachloroethane	0.8244	0.10	1	0	82.4	53	120	0	0		

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: SEMIVOLATILES ORGANICS, TCLP SW1311/8270D

Sample ID: 0910J85-003BMS	SampleType: MS	Batch ID: 120540	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158676						
Client ID:	TestCode: SEMIVOLATILES ORGANICS, TCLP	SW1311/8270D		Analysis Date: 10/28/2009	SeqNo: 3277852						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Cresol	1.632	0.10	2	0	81.6	64.5	120	0	0		
Nitrobenzene	0.9444	0.10	1	0	94.4	64.2	120	0	0		
o-Cresol	0.8889	0.10	1	0	88.9	67.1	120	0	0		
Pentachlorophenol	0.8177	0.50	1	0	81.8	44.9	151	0	0		
Pyridine	BRL	0.10	1	0	0	10	120	0	0		S
Surr: 2,4,6-Tribromophenol	0.95	0	1	0	95	61.7	146	0	0		
Surr: 2-Fluorobiphenyl	0.4361	0	0.5	0	87.2	55.3	124	0	0		
Surr: 2-Fluorophenol	0.49	0	1	0	49	44.5	119	0	0		
Surr: 4-Terphenyl-d14	0.4772	0	0.5	0	95.4	48.6	134	0	0		
Surr: Nitrobenzene-d5	0.4575	0	0.5	0	91.5	55	125	0	0		
Surr: Phenol-d5	0.614	0	1	0	61.4	38.3	125	0	0		

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL		Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: MERCURY, TCLP SW1311/7470A

Sample ID: MB-120519	SampType: MBLK	Batch ID: 120519	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158700
Client ID:	TestCode: MERCURY, TCLP	SW1311/7470A		Analysis Date: 10/28/2009	SeqNo: 3276348
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	BRL	0.00400	0	0	0 0 0 0

Sample ID: LCS-120519	SampType: LCS	Batch ID: 120519	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158700
Client ID:	TestCode: MERCURY, TCLP	SW1311/7470A		Analysis Date: 10/28/2009	SeqNo: 3276349
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.03876	0.00400	0.04	0	96.9 80 120 0 0

Sample ID: 0910L22-007BMS	SampType: MS	Batch ID: 120519	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158700
Client ID: OIL + WATER	TestCode: MERCURY, TCLP	SW1311/7470A		Analysis Date: 10/28/2009	SeqNo: 3276351
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.0378	0.00400	0.04	0	94.5 80 120 0 0

Sample ID: 0910L22-007BMSD	SampType: MSD	Batch ID: 120519	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158700
Client ID: OIL + WATER	TestCode: MERCURY, TCLP	SW1311/7470A		Analysis Date: 10/28/2009	SeqNo: 3276352
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.03739	0.00400	0.04	0	93.5 80 120 0.0378 1.08 20

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP METALS, TCLP SW1311/6010C

Sample ID: MB-120539	SampType: MBLK	Batch ID: 120539	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158691						
Client ID:	TestCode: ICP METALS, TCLP	SW1311/6010C		Analysis Date: 10/28/2009	SeqNo: 3276721						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.250	0	0	0	0	0	0	0		
Barium	BRL	0.500	0	0	0	0	0	0	0		
Cadmium	BRL	0.0250	0	0	0	0	0	0	0		
Chromium	0.01298	0.0500	0	0	0	0	0	0	0		J
Lead	BRL	0.0500	0	0	0	0	0	0	0		
Selenium	BRL	0.100	0	0	0	0	0	0	0		
Silver	BRL	0.0250	0	0	0	0	0	0	0		

Sample ID: MB-120539-2		SampType: MBLK	Batch ID: 120539	Units: mg/L		Prep Date: 10/28/2009	RunNo: 158691				
Client ID:		TestCode: ICP METALS, TCLP	SW1311/6010C			Analysis Date: 10/28/2009	SeqNo: 3276722				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.250	0	0	0	0	0	0	0		
Barium	BRL	0.500	0	0	0	0	0	0	0		
Cadmium	BRL	0.0250	0	0	0	0	0	0	0		
Chromium	BRL	0.0500	0	0	0	0	0	0	0		
Lead	BRL	0.0500	0	0	0	0	0	0	0		
Selenium	BRL	0.100	0	0	0	0	0	0	0		
Silver	BRL	0.0250	0	0	0	0	0	0	0		

Sample ID: LCS-120539		SampType: LCS		Batch ID: 120539		Units: mg/L		Prep Date: 10/28/2009		RunNo: 158691	
Client ID:		TestCode: ICP METALS, TCLP		SW1311/6010C				Analysis Date: 10/28/2009		SeqNo: 3276720	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.119	0.250	5	0	102	85	115	0	0		
Barium	4.84	0.500	5	0	96.8	80	120	0	0		
Cadmium	4.938	0.0250	5	0	98.8	85	115	0	0		
Chromium	5.021	0.0500	5	0.01298	100	85	115	0	0		

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL		Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP METALS, TCLP SW1311/6010C

Sample ID: LCS-120539	SampType: LCS	Batch ID: 120539	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158691						
Client ID:	TestCode: ICP METALS, TCLP	SW1311/6010C		Analysis Date: 10/28/2009	SeqNo: 3276720						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	4.76	0.0500	5	0	95.2	85	115	0	0	0	
Selenium	5.131	0.100	5	0	103	85	115	0	0	0	
Silver	0.4874	0.0250	0.5	0	97.5	85	115	0	0	0	

Sample ID: 0910L22-008AMS	SampType: MS	Batch ID: 120539	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158691						
Client ID: CYANIDE	ICP METALS, TCLP	SW1311/6010C		Analysis Date: 10/28/2009	SeqNo: 3276724						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	5.152	0.250	5	0	103	50	150	0	0	0	
Barium	5.011	0.500	5	0.1422	97.4	50	150	0	0	0	
Cadmium	4.984	0.0250	5	0	99.7	50	150	0	0	0	
Chromium	5.04	0.0500	5	0.01933	100	50	150	0	0	0	
Lead	4.826	0.0500	5	0.0186	96.1	50	150	0	0	0	
Selenium	5.123	0.100	5	0	102	50	150	0	0	0	
Silver	0.4889	0.0250	0.5	0	97.8	50	150	0	0	0	

Sample ID: 0910L22-008AMSD	SampType: MSD	Batch ID: 120539	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158691						
Client ID: CYANIDE	TestCode: ICP METALS, TCLP	SW1311/6010C		Analysis Date: 10/28/2009	SeqNo: 3276725						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	5.174	0.250	5	0	103	50	150	5.152	0.434	30	
Barium	5.042	0.500	5	0.1422	98	50	150	5.011	0.628	30	
Cadmium	5	0.0250	5	0	100	50	150	4.984	0.331	30	
Chromium	5.069	0.0500	5	0.01933	101	50	150	5.04	0.563	30	
Lead	4.842	0.0500	5	0.0186	96.5	50	150	4.826	0.345	30	
Selenium	5.186	0.100	5	0	104	50	150	5.123	1.23	30	
Silver	0.4919	0.0250	0.5	0	98.4	50	150	0.4889	0.627	30	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: VOLATILES, TCLP SW1311/8260B

Sample ID: MB-120551	SampType: MBLK	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674						
Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B		Analysis Date: 10/28/2009	SeqNo: 3275563						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	0.981	0	1	0	98.1	65.3	127	0	0		
Surr: Dibromofluoromethane	1.09	0	1	0	109	76.3	123	0	0		
Surr: Toluene-d8	0.9774	0	1	0	97.7	82	119	0	0		

Sample ID: LCS-120551	SampType: LCS	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674						
Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B		Analysis Date: 10/28/2009	SeqNo: 3275797						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	1.197	0.10	1	0	120	68.2	155	0	0		
1,2-Dichloroethane	1.08	0.10	1	0	108	68.2	135	0	0		
2-Butanone	2.043	0.20	2	0	102	37.1	173	0	0		
Benzene	1.072	0.10	1	0	107	79.4	134	0	0		
Carbon tetrachloride	0.83	0.10	1	0	83	60.9	158	0	0		
Chlorobenzene	0.985	0.10	1	0	98.5	80.3	124	0	0		
Chloroform	1.054	0.10	1	0	105	75.6	130	0	0		
Tetrachloroethene	0.8796	0.10	1	0	88	71.9	145	0	0		
Trichloroethene	1.064	0.10	1	0	106	80.4	136	0	0		
Vinyl chloride	1.241	0.040	1	0	124	62.3	145	0	0		

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL		Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: VOLATILES, TCLP SW1311/8260B

Sample ID: LCS-120551	SampType: LCS	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674
Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B		Analysis Date: 10/28/2009	SeqNo: 3275797
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Surr: 4-Bromofluorobenzene	0.9998	0	1	0	100	65.3	127	0	0
Surr: Dibromofluoromethane	1.04	0	1	0	104	76.3	123	0	0
Surr: Toluene-d8	1.011	0	1	0	101	82	119	0	0

Sample ID: 0910L22-007AMS	SampType: MS	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674
Client ID: OIL + WATER	TestCode: VOLATILES, TCLP	SW1311/8260B		Analysis Date: 10/28/2009	SeqNo: 3276299
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

1,1-Dichloroethene	1.366	0.10	1	0	137	70.7	154	0	0
1,2-Dichloroethane	1.08	0.10	1	0	108	55.8	146	0	0
2-Butanone	2.123	0.20	2	0	106	34.5	198	0	0
Benzene	1.194	0.10	1	0.0672	113	83	132	0	0
Carbon tetrachloride	0.9742	0.10	1	0	97.4	56.7	162	0	0
Chlorobenzene	1.059	0.10	1	0	106	83	122	0	0
Chloroform	1.069	0.10	1	0	107	77.4	130	0	0
Tetrachloroethene	1.04	0.10	1	0	104	67.8	149	0	0
Trichloroethene	1.158	0.10	1	0	116	82.5	136	0	0
Vinyl chloride	1.301	0.040	1	0	130	46.9	167	0	0
Surr: 4-Bromofluorobenzene	0.9722	0	1	0	97.2	65.3	127	0	0
Surr: Dibromofluoromethane	1.028	0	1	0	103	76.3	123	0	0
Surr: Toluene-d8	1.02	0	1	0	102	82	119	0	0

Sample ID: 0910L22-007ADUP	SampType: DUP	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674
Client ID: OIL + WATER	TestCode: VOLATILES, TCLP	SW1311/8260B		Analysis Date: 10/28/2009	SeqNo: 3276336
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

1,1-Dichloroethene	BRL	0.10	0	0	0	0	0	0	30
1,2-Dichloroethane	BRL	0.10	0	0	0	0	0	0	30

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: VOLATILES, TCLP SW1311/8260B

Sample ID: 0910L22-007ADUP	SampType: DUP	Batch ID: 120551	Units: mg/L	Prep Date: 10/28/2009	RunNo: 158674						
Client ID: OIL + WATER	TestCode: VOLATILES, TCLP SW1311/8260B			Analysis Date: 10/28/2009	SeqNo: 3276336						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butanone	BRL	0.20	0	0	0	0	0	0	0	30	
Benzene	0.0688	0.10	0	0	0	0	0	0.0672	0	30	J
Carbon tetrachloride	BRL	0.10	0	0	0	0	0	0	0	30	
Chlorobenzene	BRL	0.10	0	0	0	0	0	0	0	30	
Chloroform	BRL	0.10	0	0	0	0	0	0	0	30	
Tetrachloroethene	BRL	0.10	0	0	0	0	0	0	0	30	
Trichloroethene	BRL	0.10	0	0	0	0	0	0	0	30	
Vinyl chloride	BRL	0.040	0	0	0	0	0	0	0	30	
Surr: 4-Bromofluorobenzene	1.005	0	1	0	100	65.3	127	0.989	0	0	
Surr: Dibromofluoromethane	1.025	0	1	0	103	76.3	123	1.019	0	0	
Surr: Toluene-d8	1	0	1	0	100	82	119	0.991	0	0	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL		Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.

Work Order: 0910L22

Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: METALS, TOTAL SW6010C

Sample ID: MB-120457	SampType: MBLK	Batch ID: 120457	Units: mg/Kg	Prep Date: 10/27/2009	RunNo: 158551						
Client ID:	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275089						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	BRL	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	BRL	2.50	0	0	0	0	0	0	0	0	
Lead	0.1854	5.00	0	0	0	0	0	0	0	0	J
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: MB-120647	SampType: MBLK	Batch ID: 120647	Units: mg/Kg	Prep Date: 10/29/2009	RunNo: 158819						
Client ID:	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/30/2009	SeqNo: 3279244						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	BRL	5.00	0	0	0	0	0	0	0	0	
Barium	0.2039	5.00	0	0	0	0	0	0	0	0	
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	J
Chromium	0.1109	2.50	0	0	0	0	0	0	0	0	J
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	BRL	5.00	0	0	0	0	0	0	0	0	
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: LCS-120457	SampType: LCS	Batch ID: 120457	Units: mg/Kg	Prep Date: 10/27/2009	RunNo: 158551						
Client ID:	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275087						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	51.3	5.00	50	0	103	80	120	0	0	0	
Barium	52.89	5.00	50	0	106	80	120	0	0	0	
Cadmium	49.44	2.50	50	0	98.9	80	120	0	0	0	
Chromium	51.37	2.50	50	0	103	80	120	0	0	0	

Qualifiers:

< Less than Result value
 BRL Below Reporting Limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

> Greater than Result value
 E Estimated value above quantitation range
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: METALS, TOTAL SW6010C

Sample ID: LCS-120457	SampleType: LCS	Batch ID: 120457	Units: mg/Kg	Prep Date: 10/27/2009	RunNo: 158551						
Client ID:	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275087						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	50.43	5.00	50	0.1854	100	80	120	0	0		
Selenium	49.33	5.00	50	0	98.7	80	120	0	0		
Silver	5	2.50	5	0	100	80	120	0	0		

Sample ID: LCS-120647	SampleType: LCS	Batch ID: 120647	Units: mg/Kg	Prep Date: 10/29/2009	RunNo: 158819						
Client ID:	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/30/2009	SeqNo: 3279214						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	48.67	5.00	50	0	97.3	80	120	0	0		
Barium	49.04	5.00	50	0.2039	97.7	80	120	0	0		
Cadmium	47.91	2.50	50	0	95.8	80	120	0	0		
Chromium	51.51	2.50	50	0.1109	103	80	120	0	0		
Lead	48.61	5.00	50	0	97.2	80	120	0	0		
Selenium	48.66	5.00	50	0	97.3	80	120	0	0		
Silver	4.72	2.50	5	0	94.4	80	120	0	0		

Sample ID: 0910L22-012AMS	SampleType: MS	Batch ID: 120457	Units: mg/Kg-dry	Prep Date: 10/27/2009	RunNo: 158551						
Client ID: S-03	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275105						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	55.21	5.29	52.91	4.063	96.7	75	125	0	0		
Barium	145.5	5.29	52.91	87.74	109	75	125	0	0		
Cadmium	52.1	2.65	52.91	0.1731	98.1	75	125	0	0		
Lead	663.2	5.29	52.91	556.8	201	75	125	0	0		S
Selenium	49.69	5.29	52.91	0.7678	92.5	75	125	0	0		
Silver	5.33	2.65	5.291	0.09113	99	75	125	0	0		

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: METALS, TOTAL SW6010C

Sample ID: 0910L22-012AMS	SampType: MS	Batch ID: 120457	Units: mg/Kg-dry	Prep Date: 10/27/2009	RunNo: 158551						
Client ID: S-03	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275552						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2436	10.6	52.91	2467	-58.3	75	125	0	0	0	S

Sample ID: 0910O16-001DMS		SampleType: MS	Batch ID: 120647		Units: mg/Kg-dry		Prep Date: 10/29/2009		RunNo: 158819		
Client ID:		TestCode: METALS, TOTAL SW6010C					Analysis Date: 10/30/2009		SeqNo: 3279246		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.75	4.08	40.83	1.267	89.3	75	125	0	0		
Barium	97.37	4.08	40.83	59.84	91.9	75	125	0	0		
Cadmium	37.95	2.04	40.83	0	92.9	75	125	0	0		
Chromium	92.07	2.04	40.83	69.58	55.1	75	125	0	0		S
Lead	43.88	4.08	40.83	8.91	85.7	75	125	0	0		
Selenium	35.59	4.08	40.83	0	87.2	75	125	0	0		
Silver	3.602	2.04	4.083	0	88.2	75	125	0	0		

Sample ID: 0910L22-012AMSD		SampType: MSD	Batch ID: 120457		Units: mg/Kg-dry		Prep Date: 10/27/2009		RunNo: 158551		
Client ID: S-03		TestCode: METALS, TOTAL SW6010C					Analysis Date: 10/28/2009		SeqNo: 3275108		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	56.42	5.35	53.54	4.063	97.8	75	125	55.21	2.17	20	
Barium	161.6	5.35	53.54	87.74	138	75	125	145.5	10.5	20	S
Cadmium	53.3	2.68	53.54	0.1731	99.2	75	125	52.1	2.27	20	
Lead	791.4	5.35	53.54	556.8	438	75	125	663.2	17.6	20	S
Selenium	50.6	5.35	53.54	0.7678	93.1	75	125	49.69	1.82	20	
Silver	5.54	2.68	5.354	0.09113	102	75	125	5.33	3.87	20	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: METALS, TOTAL SW6010C

Sample ID: 0910L22-012AMSD	SampType: MSD	Batch ID: 120457	Units: mg/Kg-dry	Prep Date: 10/27/2009	RunNo: 158551						
Client ID: S-03	TestCode: METALS, TOTAL	SW6010C		Analysis Date: 10/28/2009	SeqNo: 3275557						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2613	10.7	53.54	2467	272	75	125	2436	7.00	20	S

Sample ID: 0910O16-001DMSD		SampType: MSD		Batch ID: 120647		Units: mg/Kg-dry		Prep Date: 10/29/2009		RunNo: 158819	
Client ID:		TestCode: METALS, TOTAL		SW6010C				Analysis Date: 10/30/2009		SeqNo: 3279248	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.48	4.06	40.56	1.267	89.3	75	125	37.75	0.695	20	
Barium	98.92	4.06	40.56	59.84	96.4	75	125	97.37	1.58	20	
Cadmium	37.61	2.03	40.56	0	92.7	75	125	37.95	0.883	20	
Chromium	139.5	2.03	40.56	69.58	172	75	125	92.07	40.9	20	SR
Lead	44.37	4.06	40.56	8.91	87.4	75	125	43.88	1.09	20	
Selenium	33.97	4.06	40.56	0	83.8	75	125	35.59	4.67	20	
Silver	3.59	2.03	4.056	0	88.5	75	125	3.602	0.340	20	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: Cyanide, Reactive SW7.3.3.2

Sample ID: MB-120557	SampType: MBLK	Batch ID: 120557	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158687
Client ID:	TestCode: Cyanide, Reactive	SW7.3.3.2		Analysis Date: 10/28/2009	SeqNo: 3276129
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Reactive	BRL	1.00			

Sample ID: LCS-120557	SampType: LCS	Batch ID: 120557	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158687
Client ID:	TestCode: Cyanide, Reactive	SW7.3.3.2		Analysis Date: 10/28/2009	SeqNo: 3276130
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Reactive	6.915	1.00	12.5	0	55.3 50 150 0 0

Sample ID: LCSD-120557	SampType: LCSD	Batch ID: 120557	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158687
Client ID:	TestCode: Cyanide, Reactive	SW7.3.3.2		Analysis Date: 10/28/2009	SeqNo: 3276133
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Reactive	7.05	1.00	12.5	0	56.4 50 150 6.915 1.93 30

Sample ID: 0910L22-008BDUP	SampType: DUP	Batch ID: 120557	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158687
Client ID: CYANIDE	TestCode: Cyanide, Reactive	SW7.3.3.2		Analysis Date: 10/28/2009	SeqNo: 3276134
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Reactive	44.19	2.00	0	0	0 0 43.38 1.85 30

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
Work Order: 0910L22
Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: Hexavalent Chromium SW7196

Sample ID: MB-120558	SampType: MBLK	Batch ID: 120558	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158711
Client ID:	TestCode: Hexavalent Chromium	SW7196		Analysis Date: 10/28/2009	SeqNo: 3276401
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium, Hexavalent	BRL	1.00			

Sample ID: LCS-120558	SampType: LCS	Batch ID: 120558	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158711
Client ID:	TestCode: Hexavalent Chromium	SW7196		Analysis Date: 10/28/2009	SeqNo: 3276402
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium, Hexavalent	100.3	1.00	100	0	100 80 120 0 0

Sample ID: 0910K48-001DMS	SampType: MS	Batch ID: 120558	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158711
Client ID:	TestCode: Hexavalent Chromium	SW7196		Analysis Date: 10/28/2009	SeqNo: 3276413
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium, Hexavalent	408.3	4.62	462.2	0	88.3 75 125 0 0

Sample ID: 0910K48-001DMSD	SampType: MSD	Batch ID: 120558	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158711
Client ID:	TestCode: Hexavalent Chromium	SW7196		Analysis Date: 10/28/2009	SeqNo: 3276415
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium, Hexavalent	403.7	4.62	462.2	0	87.3 75 125 408.3 1.14 20

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: TOTAL MERCURY SW7471A

Sample ID: MB-120518	SampType: MBLK	Batch ID: 120518	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158673
Client ID:	TestCode: TOTAL MERCURY	SW7471A		Analysis Date: 10/28/2009	SeqNo: 3275704
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	BRL	0.100	0	0	0 0 0 0

Sample ID: LCS-120518	SampType: LCS	Batch ID: 120518	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158673
Client ID:	TestCode: TOTAL MERCURY	SW7471A		Analysis Date: 10/28/2009	SeqNo: 3275706
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.3891	0.100	0.4	0	97.3 80 120 0 0

Sample ID: 0910J36-008AMS	SampType: MS	Batch ID: 120518	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158673
Client ID:	TestCode: TOTAL MERCURY	SW7471A		Analysis Date: 10/28/2009	SeqNo: 3275710
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	1.805	0.451	1.804	0	100 70 130 0 0

Sample ID: 0910J36-008AMSD	SampType: MSD	Batch ID: 120518	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158673
Client ID:	TestCode: TOTAL MERCURY	SW7471A		Analysis Date: 10/28/2009	SeqNo: 3275713
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	1.791	0.450	1.8	0	99.5 70 130 1.805 0.789 30

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.

Work Order: 0910L22

Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: POLYCHLORINATED BIPHENYLS SW8082A

Sample ID: MB-120534	SampType: MBLK	Batch ID: 120534	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158701						
Client ID:	TestCode: POLYCHLORINATED BIPHENYLS	SW8082A		Analysis Date: 10/28/2009	SeqNo: 3276293						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1221	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1232	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1242	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1248	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1254	BRL	1.0	0	0	0	0	0	0	0	0	
Aroclor 1260	BRL	1.0	0	0	0	0	0	0	0	0	
Surr: Decachlorobiphenyl	0.6621	0	0.5	0	132	45.4	192	0	0	0	
Surr: Tetrachloro-m-xylene	0.8233	0	0.5	0	165	40.3	187	0	0	0	

Sample ID: LCS-120534	SampType: LCS	Batch ID: 120534	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158701						
Client ID:	TestCode: POLYCHLORINATED BIPHENYLS	SW8082A		Analysis Date: 10/28/2009	SeqNo: 3276298						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	7.881	1.0	5	0	158	73.1	158	0	0	0	
Aroclor 1260	7.937	1.0	5	0	159	56.6	177	0	0	0	
Surr: Decachlorobiphenyl	0.8266	0	0.5	0	165	45.4	192	0	0	0	
Surr: Tetrachloro-m-xylene	0.9889	0	0.5	0	198	40.3	187	0	0	0	S

Sample ID: 0910L22-007CMS	SampType: MS	Batch ID: 120534	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 159067						
Client ID: OIL + WATER	TestCode: POLYCHLORINATED BIPHENYLS SW8082A			Analysis Date: 10/29/2009	SeqNo: 3284258						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	4.775	0.94	4.717	0	101	27.4	142	0	0	0	
Aroclor 1260	5.2	0.94	4.717	0	110	17.6	151	0	0	0	
Surr: Decachlorobiphenyl	1.25	0	0.4717	0	265	45.4	192	0	0	0	S
Surr: Tetrachloro-m-xylene	0.4897	0	0.4717	0	104	40.3	187	0	0	0	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: POLYCHLORINATED BIPHENYLS SW8082A

Sample ID: 0910L22-007CMSD		SampType: MSD	Batch ID: 120534	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 159067					
Client ID: OIL + WATER		TestCode: POLYCHLORINATED BIPHENYLS	SW8082A		Analysis Date: 10/29/2009	SeqNo: 3284259					
Analyte	Result	RPT Limit	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Aroclor 1016	5.519	0.99	4.95	0	111	27.4	142	4.775	14.5	22.3	
Aroclor 1260	6.292	0.99	4.95	0	127	17.6	151	5.2	19.0	21.2	
Surr: Decachlorobiphenyl	1.357	0	0.495	0	274	45.4	192	1.25	0	0	S
Surr: Tetrachloro-m-xylene	0.6035	0	0.495	0	122	40.3	187	0.4897	0	0	

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit		E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
 Work Order: 0910L22
 Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: Cyanide, Total SW9014

Sample ID: MB-120556	SampType: MBLK	Batch ID: 120556	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158685
Client ID:	TestCode: Cyanide, Total	SW9014		Analysis Date: 10/28/2009	SeqNo: 3276122
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Total	BRL	1.00			

Sample ID: LCS-120556	SampType: LCS	Batch ID: 120556	Units: mg/Kg	Prep Date: 10/28/2009	RunNo: 158685
Client ID:	TestCode: Cyanide, Total	SW9014		Analysis Date: 10/28/2009	SeqNo: 3276123
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Total	12.65	1.00	12.5	0	101 85 115 0 0

Sample ID: 0910K48-001DMS	SampType: MS	Batch ID: 120556	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158685
Client ID:	TestCode: Cyanide, Total	SW9014		Analysis Date: 10/28/2009	SeqNo: 3276126
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Total	55.83	4.90	61.24	0	91.2 70 130 0 0

Sample ID: 0910K48-001DMSD	SampType: MSD	Batch ID: 120556	Units: mg/Kg-dry	Prep Date: 10/28/2009	RunNo: 158685
Client ID:	TestCode: Cyanide, Total	SW9014		Analysis Date: 10/28/2009	SeqNo: 3276127
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cyanide, Total	59.84	4.90	61.24	0	97.7 70 130 55.83 6.95 30

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Tetra Tech EM Inc.
Work Order: 0910L22
Project: Powder Springs Plating ER

ANALYTICAL QC SUMMARY REPORT

TestCode: Laboratory Hydrogen Ion (pH) SW9045D

Sample ID: LCS-120538	SampleType: LCS	Batch ID: 120538	Units: pH Units	Prep Date: 10/27/2009	RunNo: 158645						
Client ID:	TestCode: Laboratory Hydrogen Ion (pH)	SW9045D		Analysis Date: 10/27/2009	SeqNo: 3275022						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7	0.0100	7	0	100	90	110	0	0	0	

Sample ID: 0910L22-004BDUP	SampleType: DUP	Batch ID: 120538	Units: pH Units	Prep Date: 10/27/2009	RunNo: 158645						
Client ID: BASIC LIQUIDS	TestCode: Laboratory Hydrogen Ion (pH)	SW9045D		Analysis Date: 10/27/2009	SeqNo: 3275028						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	13.9	0.0100	0	0	0	0	0	13.9	0	20	H

Qualifiers:	<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL		Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

28 October 2009

Blair Stout
AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

RE: TOX

0910L22

Enclosed are the results of analyses for samples received by the laboratory on 10/27/09 09:55. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

ANALYTICAL REPORT FOR SAMPLES

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0910L22-007D	19J1329-01	Oil	10/26/09 00:00	10/27/09 09:55
0910L22-007D	19J1329-01	Oil	10/26/09 00:00	10/27/09 09:55

*The results in this report apply to the samples analyzed in accordance with the Chain-of-Custody record.
This analytical report must be reproduced in its entirety.*

Page 1 of 6

AES, Inc.
3785 Presidential Parkway
Atlanta GA, 30340

Project: TOX
Project Number: 0910L22
Project Manager: Blair Stout

Reported
10/28/09 13:21

0910L22-007D

19J1329-01 (Oil)

Date Sampled: 10/26/2009 12:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Keystone Laboratories, Inc. - Newton

Determination of Conventional Chemistry Parameters

Total Halogens (TX)	37	10	mg/kg	1	1J92728	10/27/09	10/27/09	EPA 9076	
---------------------	----	----	-------	---	---------	----------	----------	----------	--

Keystone Materials Testing

Determination of Conventional Chemistry Parameters

Water	72.7	0.05	%	"	9J92801	10/28/09	10/28/09	ASTM E203	
-------	------	------	---	---	---------	----------	----------	-----------	--

AES, Inc.
3785 Presidential Parkway
Atlanta GA, 30340

Project: TOX
Project Number: 0910L22
Project Manager: Blair Stout

Reported
10/28/09 13:21

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1J92728 - TOX/TX/EOX										
Blank (1J92728-BLK1)				Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	ND	10	mg/kg							
LCS (1J92728-BS1)				Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1127		mg/kg	1143.28		98.6	68-113			
LCS Dup (1J92728-BS1)				Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1106		mg/kg	1143.28		96.8	68-113	1.83	20	
Duplicate (1J92728-DUP1)				Source: 19J1329-01 Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	38.5	10	mg/kg		37.4			2.90	21	
Matrix Spike (1J92728-MS1)				Source: 19J1329-01 Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1207		mg/kg	1143.28	37.4	102	70-130			
Matrix Spike Dup (1J92728-MSD1)				Source: 19J1329-01 Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1150		mg/kg	1143.28	37.4	97.3	70-130	4.87	20	
Reference (1J92728-SRM1)				Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1053		mg/kg	1051.40		100	0-200			
Reference (1J92728-SRM2)				Prepared & Analyzed: 10/27/09						
Total Halogens (TX)	1081		mg/kg	1051.40		103	0-200			

The results in this report apply to the samples analyzed in accordance with the Chain-of-Custody record.
This analytical report must be reproduced in its entirety.

Page 3 of 6

AES, Inc.
3785 Presidential Parkway
Atlanta GA, 30340

Project: TOX
Project Number: 0910L22
Project Manager: Blair Stout

Reported
10/28/09 13:21

Determination of Conventional Chemistry Parameters - Quality Control

Keystone Materials Testing

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 9J92801 - *** DEFAULT PREP ***

Reference (9J92801-SRM2)

Prepared & Analyzed: 10/28/09

Water	109	%	100.000	109	95-105
-------	-----	---	---------	-----	--------

Certified Analyses Included in This Report

Method/Matrix	Analyte	Certifications
---------------	---------	----------------

Code	Certifying Authority	Certificate Number	Expires
1	EPA ULSD Sulfur Determination	1	09/30/2015
IA-NT	Iowa Department of Natural Resources	095	02/01/2010
KS-NT	Kansas Department of Health and Environment	E-10287	07/31/2010
NELAC	New Jersey Department of Environmental Protection	IA001	06/30/2010

The results in this report apply to the samples analyzed in accordance with the Chain-of-Custody record.
This analytical report must be reproduced in its entirety.

Page 4 of 6

AES, Inc.
3785 Presidential Parkway
Atlanta GA, 30340

Project: TOX
Project Number: 0910L22
Project Manager: Blair Stout

Reported
10/28/09 13:21

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

AES, Inc.
3785 Presidential Parkway
Atlanta GA, 30340

Project: TOX
Project Number: 0910L22
Project Manager: Blair Stout

Reported
10/28/09 13:21

Sue Thompson

Sue Thompson
Project Manager I

*The results in this report apply to the samples analyzed in accordance with the Chain-of-Custody record.
This analytical report must be reproduced in its entirety.*

Page 6 of 6