



## ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 29, 2010

Jessica Vickers  
Tetra Tech EM Inc.  
1955 Evergreen Blvd.  
Duluth GA 30096

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

RE: Powder Springs Plating ER

Dear Jessica Vickers:

Order No: 1006K52

Analytical Environmental Services, Inc. received 3 samples on 6/23/2010 4:30:00 PM for the analyses presented in 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.

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

James Forrest  
Project Manager

# CHAIN OF CUSTODY

Work Order: 1006152

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Presidential Parkway, Atlanta GA 30340-3704

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



Date: 6/23/10 Page 1 of 1

<b>COMPANY:</b> Tetra Tech GM, INC. 1955 Evergreen Blvd. Bldg 200, Suite 300 Duluth GA 30096 ADDRESS: PHONE: 678-175-3104 FAX: SAMPLED BY: Linda Nyland		<b>ADDRESS:</b> 1955 Evergreen Blvd. Bldg 200, Suite 300 Duluth GA 30096 ADDRESS: SIGNATURE: Linda Nyland		<b>ANALYSIS REQUESTED</b> Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers 3	
<b>SAMPLE ID</b> PSP-SS-119		<b>SAMPLED</b> DATE: 6/23/10 TIME: 0915 Grab: X Composite: X Matrix (See codes): So		<b>PRESERVATION (See codes)</b> I I X X A=0-6, B=6-12, C=12-18 3		<b>REMARKS</b> A=0-6, B=6-12, C=12-18 3	
<b>RELINQUISHED BY</b> Linda Nyland 6/23/10 1630		<b>RECEIVED BY</b> [Signature] 6/23/10 4:39 PM		<b>PROJECT INFORMATION</b> PROJECT NAME: Powder Springs Plating GR PROJECT #: 1030x9070001.0112.3003 SITE ADDRESS: Austell, GA SEND REPORT TO: Jessi Ca. V. Ckers@tetra-tech.com INVOICE TO: (IF DIFFERENT FROM ABOVE) QUOTE #: PO#:		<b>RECEIPT</b> Total # of Containers: 3 Turnaround Time Request: Standard 5 Business Days 2 Business Day Rush Next Business Day Rush Same Day Rush (auth req.) Other: 24 hr	
<b>SPECIAL INSTRUCTIONS/COMMENTS:</b> 24 hr TAT		<b>SHIPMENT METHOD</b> OUT: / / VIA: IN: CLIENT / FedEx / UPS / MAIL / COURIER / OTHER:		STATE PROGRAM (if any): E-mail? Y / N; Fax? Y / N DATA PACKAGE: I II III IV		SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE. MATRIX CODES: A = Air GW = Groundwater SE = Sediment SW = Surface Water W = Water (Blanks) O = Other (specify) WW = Waste Water PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/M+1 = Sodium Bisulfate/Methanol + ice NA = None	

White Copy - Original; Yellow Copy - Client

**Client:** Tetra Tech EM Inc.  
**Project:** Powder Springs Plating ER  
**Lab ID:** 1006K52

**Case Narrative**

One sample ID was listed on the Chain of Custody (COC). However, 3 separate samples were logged in based on remarks on the COC, and the IDs on the labels of the 3 containers received.

**Analytical Environmental Services, Inc**
**Date:** 29-Jun-10

**Client:** Tetra Tech EM Inc.  
**Project Name:** Powder Springs Plating ER  
**Lab ID:** 1006K52-001

**Client Sample ID:** PSP-SS-119 A  
**Collection Date:** 6/23/2010 9:15:00 AM  
**Matrix:** Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>TOTAL MERCURY SW7471B</b>									
Mercury	BRL		0.0389	0.125	mg/Kg-dry	131403	1	06/25/2010 12:29	MP
<b>Hexavalent Chromium in Soil SW7196</b>									
Chromium, Hexavalent	4.27		0.733	1.23	mg/Kg-dry	131439	1	06/25/2010 15:05	CG
<b>METALS, TOTAL SW6010C</b>									
Arsenic	2.50	J	0.0883	5.86	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Barium	99.6		0.0361	5.86	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Cadmium	0.804	J	0.0998	2.93	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Chromium	49.7		0.0954	2.93	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Lead	74.8		0.191	5.86	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Selenium	3.43	J	0.209	5.86	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
Silver	BRL		0.0232	2.93	mg/Kg-dry	131348	1	06/24/2010 15:38	TA
<b>PERCENT MOISTURE D2216</b>									
Percent Moisture	20.1		0	0	wt%	R174799	1	06/24/2010 19:00	AS

**Qualifiers:** \* Value exceeds maximum contaminant level  
 BRL Not detected at MDL  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 B Analyte detected in the associated method blank

E Estimated value above quantitation range  
 S Spike Recovery outside limits due to matrix  
 J Estimated value detected below Reporting Limit  
 > Greater than Result value  
 < Less than Result value

## Analytical Environmental Services, Inc

Date: 29-Jun-10

<b>Client:</b> Tetra Tech EM Inc.	<b>Client Sample ID:</b> PSP-SS-119 B
<b>Project Name:</b> Powder Springs Plating ER	<b>Collection Date:</b> 6/23/2010 9:15:00 AM
<b>Lab ID:</b> 1006K52-002	<b>Matrix:</b> Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>TOTAL MERCURY SW7471B</b>									
				<b>(SW7471)</b>					
Mercury	BRL		0.0383	0.123	mg/Kg-dry	131403	1	06/25/2010 13:09	MP
<b>Hexavalent Chromium in Soil SW7196</b>									
				<b>(SW3060A)</b>					
Chromium, Hexavalent	1.09	J	0.736	1.23	mg/Kg-dry	131439	1	06/25/2010 15:05	CG
<b>METALS, TOTAL SW6010C</b>									
				<b>(SW3050B)</b>					
Arsenic	7.16		0.0885	5.87	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Barium	36.0		0.0361	5.87	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Cadmium	0.226	J	0.100	2.93	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Chromium	14.5		0.0955	2.93	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Lead	13.0		0.191	5.87	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Selenium	4.43	J	0.210	5.87	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
Silver	BRL		0.0232	2.93	mg/Kg-dry	131348	1	06/24/2010 15:56	TA
<b>PERCENT MOISTURE D2216</b>									
Percent Moisture	18.9		0	0	wt%	R174799	1	06/24/2010 19:00	AS

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank

- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

## Analytical Environmental Services, Inc

Date: 29-Jun-10

<b>Client:</b> Tetra Tech EM Inc.	<b>Client Sample ID:</b> PSP-SS-119 C
<b>Project Name:</b> Powder Springs Plating ER	<b>Collection Date:</b> 6/23/2010 9:15:00 AM
<b>Lab ID:</b> 1006K52-003	<b>Matrix:</b> Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>TOTAL MERCURY SW7471B</b>									
				<b>(SW7471)</b>					
Mercury	BRL		0.0353	0.114	mg/Kg-dry	131403	1	06/25/2010 13:15	MP
<b>Hexavalent Chromium in Soil SW7196</b>									
				<b>(SW3060A)</b>					
Chromium, Hexavalent	BRL		0.642	1.07	mg/Kg-dry	131439	1	06/25/2010 15:05	CG
<b>METALS, TOTAL SW6010C</b>									
				<b>(SW3050B)</b>					
Arsenic	1.53	J	0.0802	5.32	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Barium	28.9		0.0328	5.32	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Cadmium	BRL		0.0906	2.66	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Chromium	6.29		0.0866	2.66	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Lead	24.9		0.173	5.32	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Selenium	3.84	J	0.190	5.32	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
Silver	BRL		0.0211	2.66	mg/Kg-dry	131348	1	06/24/2010 16:00	TA
<b>PERCENT MOISTURE D2216</b>									
Percent Moisture	13.9		0	0	wt%	R174799	1	06/24/2010 19:00	AS

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank

- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value

**Analytical Environmental Services, Inc.**

**Sample/Cooler Receipt Checklist**

Client Tefreid

Work Order Number 1006K52

Checklist completed by maple Date 6/23/10  
Signature Date

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 39 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.

\\L\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:** 1006K52

**Dates Report**

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1006K52-001A	PSP-SS-119 A	6/23/2010 9:15:00AM	Soil	TOTAL METALS BY ICP		06/24/2010	06/24/2010
1006K52-001A	PSP-SS-119 A	6/23/2010 9:15:00AM	Soil	Hexavalent Chromium-Soils		06/25/2010	06/25/2010
1006K52-001A	PSP-SS-119 A	6/23/2010 9:15:00AM	Soil	MERCURY		06/25/2010	06/25/2010
1006K52-001A	PSP-SS-119 A	6/23/2010 9:15:00AM	Soil	PERCENT MOISTURE			06/24/2010
1006K52-002A	PSP-SS-119 B	6/23/2010 9:15:00AM	Soil	TOTAL METALS BY ICP		06/24/2010	06/24/2010
1006K52-002A	PSP-SS-119 B	6/23/2010 9:15:00AM	Soil	Hexavalent Chromium-Soils		06/25/2010	06/25/2010
1006K52-002A	PSP-SS-119 B	6/23/2010 9:15:00AM	Soil	MERCURY		06/25/2010	06/25/2010
1006K52-002A	PSP-SS-119 B	6/23/2010 9:15:00AM	Soil	PERCENT MOISTURE			06/24/2010
1006K52-003A	PSP-SS-119 C	6/23/2010 9:15:00AM	Soil	TOTAL METALS BY ICP		06/24/2010	06/24/2010
1006K52-003A	PSP-SS-119 C	6/23/2010 9:15:00AM	Soil	Hexavalent Chromium-Soils		06/25/2010	06/25/2010
1006K52-003A	PSP-SS-119 C	6/23/2010 9:15:00AM	Soil	MERCURY		06/25/2010	06/25/2010
1006K52-003A	PSP-SS-119 C	6/23/2010 9:15:00AM	Soil	PERCENT MOISTURE			06/24/2010



Client: Tetra Tech EM Inc.  
 Project Name: Powder Springs Plating ER  
 Workorder: 1006K52

## ANALYTICAL QC SUMMARY REPORT

BatchID: 131348

Sample ID: <b>MB-131348</b>	Client ID:					Units: <b>mg/Kg</b>	Prep Date: <b>06/24/2010</b>	Run No: <b>174617</b>			
SampleType: <b>MBLK</b>	TestCode: <b>METALS, TOTAL</b>	<b>SW6010C</b>	BatchID: <b>131348</b>				Analysis Date: <b>06/24/2010</b>	Seq No: <b>3633939</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.08311	5.00	0	0	0	0	0	0	0	0	J
Barium	0.04073	5.00	0	0	0	0	0	0	0	0	J
Cadmium	BRL	2.50	0	0	0	0	0	0	0	0	
Chromium	0.1102	2.50	0	0	0	0	0	0	0	0	J
Lead	BRL	5.00	0	0	0	0	0	0	0	0	
Selenium	0.4563	5.00	0	0	0	0	0	0	0	0	J
Silver	BRL	2.50	0	0	0	0	0	0	0	0	

Sample ID: <b>LCS-131348</b>	Client ID:					Units: <b>mg/Kg</b>	Prep Date: <b>06/24/2010</b>	Run No: <b>174617</b>			
SampleType: <b>LCS</b>	TestCode: <b>METALS, TOTAL</b>	<b>SW6010C</b>				BatchID: <b>131348</b>	Analysis Date: <b>06/24/2010</b>	Seq No: <b>3633937</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	50.88	5.00	50	0.08311	102	80	120	0	0	0	
Barium	52.44	5.00	50	0.04073	105	80	120	0	0	0	
Cadmium	50.63	2.50	50	0	101	80	120	0	0	0	
Chromium	52.31	2.50	50	0.1102	104	80	120	0	0	0	
Lead	51.14	5.00	50	0	102	80	120	0	0	0	
Selenium	51.56	5.00	50	0.4563	102	80	120	0	0	0	
Silver	5.032	2.50	5	0	101	80	120	0	0	0	

Sample ID: <b>1006K52-001AMS</b>	Client ID: <b>PSP-SS-119 A</b>				Units: <b>mg/Kg-dry</b>	Prep Date: <b>06/24/2010</b>	Run No: <b>174617</b>				
SampleType: <b>MS</b>	TestCode: <b>METALS, TOTAL</b>	<b>SW6010C</b>	BatchID: <b>131348</b>			Analysis Date: <b>06/24/2010</b>	Seq No: <b>3633943</b>				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	57.24	5.86	58.61	2.498	93.4	75	125	0	0	0	
Barium	139.2	5.86	58.61	99.60	67.6	75	125	0	0	0	S
Cadmium	53.96	2.93	58.61	0.8041	90.7	75	125	0	0	0	
Chromium	84.65	2.93	58.61	49.66	59.7	75	125	0	0	0	S

<b>Qualifiers:</b>	>	Greater than Result value	<	Less 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.  
Project Name: Powder Springs Plating ER  
Workorder: 1006K52

ANALYTICAL QC SUMMARY REPORT

BatchID: 131348

Sample ID: 1006K52-001AMS	Client ID: PSP-SS-119 A	Units: mg/Kg-dry			Prep Date: 06/24/2010	Run No: 174617					
SampleType: MS	TestCode: METALS, TOTAL SW6010C	BatchID: 131348			Analysis Date: 06/24/2010	Seq No: 3633943					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	121.2	5.86	58.61	74.81	79.1	75	125	0	0	0	
Selenium	57.36	5.86	58.61	3.430	92	75	125	0	0	0	
Silver	5.117	2.93	5.861	0	87.3	75	125	0	0	0	

Sample ID: <b>1006K52-001AMSD</b>	Client ID: <b>PSP-SS-119 A</b>	Units: <b>mg/Kg-dry</b>			Prep Date: <b>06/24/2010</b>	Run No: <b>174617</b>					
SampleType: <b>MSD</b>	TestCode: <b>METALS, TOTAL SW6010C</b>	BatchID: <b>131348</b>			Analysis Date: <b>06/24/2010</b>	Seq No: <b>3633946</b>					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	56.10	5.86	58.59	2.498	91.5	75	125	57.24	2.01	20	
Barium	157.2	5.86	58.59	99.60	98.4	75	125	139.2	12.2	20	
Cadmium	53.91	2.93	58.59	0.8041	90.6	75	125	53.96	0.104	20	
Chromium	85.31	2.93	58.59	49.66	60.8	75	125	84.65	0.772	20	S
Lead	132.8	5.86	58.59	74.81	99	75	125	121.2	9.2	20	
Selenium	55.67	5.86	58.59	3.430	89.1	75	125	57.36	3.01	20	
Silver	5.190	2.93	5.859	0	88.6	75	125	5.117	1.42	20	

Qualifiers:	>	Greater than Result value	<	Less 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.  
 Project Name: Powder Springs Plating ER  
 Workorder: 1006K52

## ANALYTICAL QC SUMMARY REPORT

BatchID: 131403

Sample ID: <b>MB-131403</b>	Client ID:					Units: <b>mg/Kg</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174804</b>			
SampleType: <b>MBLK</b>	TestCode: <b>TOTAL MERCURY</b>	<b>SW7471B</b>	BatchID: <b>131403</b>				Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635286</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	BRL	0.100	0	0	0	0	0	0	0	0	
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Sample ID: <b>LCS-131403</b>	Client ID:				Units: <b>mg/Kg</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174804</b>				
SampleType: <b>LCS</b>	TestCode: <b>TOTAL MERCURY</b>	<b>SW7471B</b>	BatchID: <b>131403</b>			Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635288</b>				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.3779	0.100	0.4	0	94.5	80	120	0	0	0	
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Sample ID: <b>1006K52-001AMS</b>	Client ID: <b>PSP-SS-119 A</b>					Units: <b>mg/Kg-dry</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174804</b>			
SampleType: <b>MS</b>	TestCode: <b>TOTAL MERCURY</b>	<b>SW7471B</b>					BatchID: <b>131403</b>	Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635292</b>		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.5062	0.125	0.5005	0	101	70	130	0	0	0	
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Sample ID: <b>1006K52-001AMSD</b>		Client ID: <b>PSP-SS-119 A</b>				Units: <b>mg/Kg-dry</b>		Prep Date: <b>06/25/2010</b>		Run No: <b>174804</b>	
SampleType: <b>MSD</b>		TestCode: <b>TOTAL MERCURY SW7471B</b>				BatchID: <b>131403</b>		Analysis Date: <b>06/25/2010</b>		Seq No: <b>3635293</b>	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury	0.4958	0.125	0.4985	0	99.5	70	130	0.5062	2.06	30	
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<b>Qualifiers:</b>	>	Greater than Result value	<	Less 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.  
**Project Name:** Powder Springs Plating ER  
**Workorder:** 1006K52

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 131439**

Sample ID: <b>MB-131439</b>	Client ID:					Units: <b>mg/Kg</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174823</b>			
SampleType: <b>MBLK</b>	TestCode: <b>Hexavalent Chromium in Soil</b>	<b>SW7196</b>	BatchID: <b>131439</b>				Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635810</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	BRL	2.00	0	0	0	0	0	0	0	0	

Sample ID: <b>LCS-131439</b>	Client ID:					Units: <b>mg/Kg</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174823</b>			
SampleType: <b>LCS</b>	TestCode: <b>Hexavalent Chromium in Soil</b>	<b>SW7196</b>	BatchID: <b>131439</b>				Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635811</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	103.2	2.00	100	0	103	80	120	0	0	0	

Sample ID: <b>1006K52-001AMS</b>	Client ID: <b>PSP-SS-119 A</b>					Units: <b>mg/Kg-dry</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174823</b>			
SampleType: <b>MS</b>	TestCode: <b>Hexavalent Chromium in Soil</b>	<b>SW7196</b>	BatchID: <b>131439</b>				Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635820</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	117.0	2.50	125.1	4.269	90.1	75	125	0	0	0	

Sample ID: <b>1006K52-001AMSD</b>	Client ID: <b>PSP-SS-119 A</b>					Units: <b>mg/Kg-dry</b>	Prep Date: <b>06/25/2010</b>	Run No: <b>174823</b>			
SampleType: <b>MSD</b>	TestCode: <b>Hexavalent Chromium in Soil</b>	<b>SW7196</b>	BatchID: <b>131439</b>				Analysis Date: <b>06/25/2010</b>	Seq No: <b>3635822</b>			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	118.0	2.50	125.1	4.269	90.9	75	125	117.0	0.873	20	

<b>Qualifiers:</b>	>	Greater than Result value	<	Less 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		