Summary Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX 79901

Report Date: August 12, 2009

Work Order: 9080634

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204898	EP-62 (GW)	water	2009-08-04	08:07	2009-08-04
204899	EP-66 (GW)	water	2009-08-04	08:41	2009-08-04
204900	EP-5 (GW)	water	2009-08-04	09:04	2009-08-04
204901	EP-6 (GW)	water	2009-08-04	10:01	2009-08-04
204902	EP-7 (GW)	water	2009-08-04	10:16	2009-08-04
204903	SEP-4 (SW)	water	2009-08-04	10:52	2009-08-04

Sample: 204898 - EP-62 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204899 - EP-66 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		**0.0110**	mg/L	0.0100

Sample: 204900 - EP-5 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204901 - EP-6 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204902 - EP-7 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204903 - SEP-4 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Summary Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX 79901

Report Date: August 12, 2009

Work Order: 9080635

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204904	SEP-9 (SW)	water	2009-08-04	13:10	2009-08-06
204905	SEP-7 (SW)	water	2009-08-04	13:40	2009-08-06
204906	EP-111 (SW)	water	2009-08-04	14:20	2009-08-06
204907	EP-112 (SW)	water	2009-08-04	14:50	2009-08-06
204908	SEP-11 (SW)	water	2009-08-04	15:10	2009-08-06
204909	SEP-3 (SW)	water	2009-08-04	15:35	2009-08-06
204910	FD-2	water	2009-08-04	11:40	2009-08-06

Sample: 204904 - SEP-9 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204905 - SEP-7 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204906 - EP-111 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204907 - EP-112 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204908 - SEP-11 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204909 - SEP-3 (SW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		**0.0140**	mg/L	0.0100

Sample: 204910 - FD-2

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Summary Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX 79901

Report Date: August 12, 2009

Work Order: 9080637

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204915	FD-3 (GW)	water	2009-08-05	06:30	2009-08-05
204916	EP-20 (GW)	water	2009-08-05	07:55	2009-08-05
204917	EP-35 (GW)	water	2009-08-05	08:30	2009-08-05
204918	EP-29 (GW)	water	2009-08-05	09:04	2009-08-05

Sample: 204915 - FD-3 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204916 - EP-20 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204917 - EP-35 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204918 - EP-29 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Summary Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX 79901

Report Date: August 12, 2009

Work Order: 9080418

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204592	EP-110 (GW)	water	2009-08-03	08:00	2009-08-03
204593	EP-126 (GW)	water	2009-08-03	08:55	2009-08-03
204594	EP-129 (GW)	water	2009-08-03	09:41	2009-08-03
204595	EP-94(GW)	water	2009-08-03	10:41	2009-08-03
204596	EP-49(GW)	water	2009-08-03	11:26	2009-08-03

Sample: 204592 - EP-110 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204593 - EP-126 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204594 - EP-129 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204595 - EP-94(GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204596 - EP-49(GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		**0.0200**	mg/L	0.0100

Summary Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX 79901

Report Date: August 12, 2009

Work Order: 9080419

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204597	EP-71 (GW)	water	2009-08-03	13:17	2009-08-03
204598	EP-51 (GW)	water	2009-08-03	13:55	2009-08-03
204599	EP-81 (GW)	water	2009-08-03	14:35	2009-08-03
204600	EP-80 (GW)	water	2009-08-03	14:57	2009-08-03
204601	FD-1	water	2009-08-03	06:00	2009-08-03

Sample: 204597 - EP-71 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204598 - EP-51 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204599 - EP-81 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204600 - EP-80 (GW)

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

Sample: 204601 - FD-1

Param	Flag	Result	Units	RL
Hexavalent Chromium		<0.0100	mg/L	0.0100

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX, 79901

Report Date: August 12, 2009

Work Order: 9080634

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling
Project Number: 2009 Split Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204898	EP-62 (GW)	water	2009-08-04	08:07	2009-08-04
204899	EP-66 (GW)	water	2009-08-04	08:41	2009-08-04
204900	EP-5 (GW)	water	2009-08-04	09:04	2009-08-04
204901	EP-6 (GW)	water	2009-08-04	10:01	2009-08-04
204902	EP-7 (GW)	water	2009-08-04	10:16	2009-08-04
204903	SEP-4 (SW)	water	2009-08-04	10:52	2009-08-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 2009 Split Sampling were received by TraceAnalysis, Inc. on 2009-08-04 and assigned to work order 9080634. Samples for work order 9080634 were received intact at a temperature of 4.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chromium, Hexavalent	SM 3500-Cr B	53193	2009-08-04 at 12:03	62354	2009-08-04 at 12:03

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9080634 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 204898 - EP-62 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204899 - EP-66 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		**0.0110**	mg/L	1	0.0100

Sample: 204900 - EP-5 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204901 - EP-6 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204902 - EP-7 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204903 - SEP-4 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 62354

QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	QC Preparation:	2009-08-04	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	62354	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53193	QC Preparation:	2009-08-04	Prepared By:	MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.498	mg/L	1	0.500	<0.00594	100	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.491	mg/L	1	0.500	<0.00594	98	95.4 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204899

QC Batch: 62354 Date Analyzed: 2009-08-04 Analyzed By: MD
Prep Batch: 53193 QC Preparation: 2009-08-04 Prepared By: MD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.562	mg/L	1.11	0.556	0.011	99	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.572	mg/L	1.11	0.556	0.011	101	80.1 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62354 Date Analyzed: 2009-08-04 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.507	101	90 - 110	2009-08-04

Standard (CCV-2)

QC Batch: 62354 Date Analyzed: 2009-08-04 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.495	99	90 - 110	2009-08-04

LAB Order ID # 9080634

Page 1 of 1

TraceAnalysis, Inc.

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Ft. Worth, Texas 76116
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Company Name: TCEQ Region 6 — Phone #: 915-834-4964

Address: (Street, City, Zip) 401 E. Franklin, Suite 560, 79901 — Fax #: 915-834-4940

Contact Person: Jose Ojeda — E-mail: Joseda@tceq.state.tx.us

Invoice to: (If different from above)

Project #: — Project Name: 2009 Spl. + Sampling

Project Location (including state): El Paso, TX. — Sampler Signature: Robert Gillam

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
204898	EP-62 (GW)	1	500 cc	X								X	X	8/4/09	8:07
899	EP-66 (GW)	1		X								X	X	8/4/09	8:41
900	EP-5 (GW)	1		X								X	X	8/4/09	9:04
901	EP-6 (GW)	1		X								X	X	8/4/09	10:01
902	EP-7 (GW)	1		X								X	X	8/4/09	10:16
903	SEP-4 (SW)	1		X								X	X	8/4/09	10:52

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
SM 3500-Cr B (Cr VI)	X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Robert Gillam	TCEQ	8/4/09	11:43			8/4/09	1144
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

INST FR1 / OBS 3 °C / COR 4 °C

INST ____ / OBS ____ °C / COR ____ °C

INST ____ / OBS ____ °C / COR ____ °C

LAB USE ONLY

Intact (Y) N

Headspace Y / N / NA

Log-in-Review MRL

REMARKS:

All analysis done in EP.

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

(6)

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # drop off

ORIGINAL COPY

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX, 79901

Report Date: August 12, 2009

Work Order: 9080635

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling
Project Number: 2009 Split Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204904	SEP-9 (SW)	water	2009-08-04	13:10	2009-08-06
204905	SEP-7 (SW)	water	2009-08-04	13:40	2009-08-06
204906	EP-111 (SW)	water	2009-08-04	14:20	2009-08-06
204907	EP-112 (SW)	water	2009-08-04	14:50	2009-08-06
204908	SEP-11 (SW)	water	2009-08-04	15:10	2009-08-06
204909	SEP-3 (SW)	water	2009-08-04	15:35	2009-08-06
204910	FD-2	water	2009-08-04	11:40	2009-08-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 2009 Split Sampling were received by TraceAnalysis, Inc. on 2009-08-06 and assigned to work order 9080635. Samples for work order 9080635 were received intact at a temperature of 4.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chromium, Hexavalent	SM 3500-Cr B	53197	2009-08-04 at 16:20	62359	2009-08-04 at 16:20
Chromium, Hexavalent	SM 3500-Cr B	53198	2009-08-05 at 11:35	62360	2009-08-05 at 11:35

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9080635 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 204904 - SEP-9 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62359	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53197	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Sample: 204905 - SEP-7 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62359	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53197	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Sample: 204906 - EP-111 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Sample: 204907 - EP-112 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Sample: 204908 - SEP-11 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Sample: 204909 - SEP-3 (SW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		**0.0140**		mg/L	1	0.0100

Sample: 204910 - FD-2

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62359	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53197	Sample Preparation:	2009-08-04	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Hexavalent Chromium		<0.0100		mg/L	1	0.0100

Method Blank (1) QC Batch: 62359

QC Batch:	62359	Date Analyzed:	2009-08-04	Analyzed By:	MD
Prep Batch:	53197	QC Preparation:	2009-08-04	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Method Blank (1) QC Batch: 62360

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD
Prep Batch: 53198 QC Preparation: 2009-08-05 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 62359 Date Analyzed: 2009-08-04 Analyzed By: MD
Prep Batch: 53197 QC Preparation: 2009-08-04 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.497	mg/L	1	0.500	<0.00594	99	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.499	mg/L	1	0.500	<0.00594	100	95.4 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD
Prep Batch: 53198 QC Preparation: 2009-08-05 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.489	mg/L	1	0.500	<0.00594	98	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.483	mg/L	1	0.500	<0.00594	97	95.4 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204904

QC Batch: 62359 | Date Analyzed: 2009-08-04 | Analyzed By: MD
Prep Batch: 53197 | QC Preparation: 2009-08-04 | Prepared By: MD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.687	mg/L	1.11	0.556	0.148	97	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.680	mg/L	1.11	0.556	0.148	96	80.1 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204907

QC Batch: 62360 | Date Analyzed: 2009-08-05 | Analyzed By: MD
Prep Batch: 53198 | QC Preparation: 2009-08-05 | Prepared By: MD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.492	mg/L	1.11	0.556	<0.00659	88	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.488	mg/L	1.11	0.556	<0.00659	88	80.1 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62359 | Date Analyzed: 2009-08-04 | Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.496	99	90 - 110	2009-08-04

Standard (CCV-2)

QC Batch: 62359 | Date Analyzed: 2009-08-04 | Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.496	99	90 - 110	2009-08-04

Standard (CCV-1)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.489	98	90 - 110	2009-08-05

Standard (CCV-2)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.501	100	90 - 110	2009-08-05

LAB Order ID # 9080635

Page 1 of 1

TraceAnalysis, Inc.

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Tel (817) 201-5260
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Company Name: TCEQ Region 6 **Phone #:** 915-834-4964

Address: (Street, City, Zip) 401 E. Franklin, Suite 560, 79901 **Fax #:** 915-834-4940

Contact Person: Jose Ojeda **E-mail:** jojeda@tceq.state.tx.us

Invoice to: (If different from above)

Project #: **Project Name:** 2009 Solid Sampling

Project Location (including state): El Paso, TX **Sampler Signature:** Heidi McIntyre-Wilkinson (Heidi McIntyre-Wilkinson)

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
200904	SEP-9 (SW)	1	50 mL	X								X	X	8/4/09	1:10
905	SEP-7 (SW)	1	↓	X								X	X	8/4/09	1:40
906	EP-111 (GW)	1		X								X	X	8/4/09	2:20
907	EP-112 (GW)	1		X								X	X	8/4/09	2:50
908	SEP-11 (SW)	1		X								X	X	8/4/09	3:10
909	SEP-3 (SW)	1		X								X	X	8/4/09	3:35
910	FD-2	1		X								X	X	8/4/09	11:40
909	SEP-3 (SW) (MS/MSD)	1	↓	X								X	X	8/4/09	3:35

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
SM 3500 - Cr 1B (Cr VI)	X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Heidi McIntyre-Wilkinson (Heidi McIntyre-Wilkinson)	TCEQ	08/04/09	4:05			8/4/09	406

INST (FP) OBS 3 °C COR 4 °C

LAB USE ONLY

Intact (Y) / N

Headspace Y / N / NA

Log-in-Review MBL

REMARKS: All analysis done in EP.

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # drop off

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TRACEANALYSIS, INC.

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Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX, 79901

Report Date: August 12, 2009

Work Order: 9080637

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling
Project Number: 2009 Split Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204915	FD-3 (GW)	water	2009-08-05	06:30	2009-08-05
204916	EP-20 (GW)	water	2009-08-05	07:55	2009-08-05
204917	EP-35 (GW)	water	2009-08-05	08:30	2009-08-05
204918	EP-29 (GW)	water	2009-08-05	09:04	2009-08-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 2009 Split Sampling were received by TraceAnalysis, Inc. on 2009-08-05 and assigned to work order 9080637. Samples for work order 9080637 were received intact at a temperature of 8.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chromium, Hexavalent	SM 3500-Cr B	53198	2009-08-05 at 11:35	62360	2009-08-05 at 11:35

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9080637 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 204915 - FD-3 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204916 - EP-20 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204917 - EP-35 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204918 - EP-29 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62360	Date Analyzed:	2009-08-05	Analyzed By:	MD
Prep Batch:	53198	Sample Preparation:	2009-08-05	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 62360

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD
Prep Batch: 53198 QC Preparation: 2009-08-05 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD
Prep Batch: 53198 QC Preparation: 2009-08-05 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.489	mg/L	1	0.500	<0.00594	98	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.483	mg/L	1	0.500	<0.00594	97	95.4 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204907

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD
Prep Batch: 53198 QC Preparation: 2009-08-05 Prepared By: MD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.492	mg/L	1.11	0.556	<0.00659	88	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.488	mg/L	1.11	0.556	<0.00659	88	80.1 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.489	98	90 - 110	2009-08-05

Standard (CCV-2)

QC Batch: 62360 Date Analyzed: 2009-08-05 Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.501	100	90 - 110	2009-08-05

LAB Order ID # 9080637

Page 1 of 1

TraceAnalysis, Inc.

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Address: (Street, City, Zip) 401 E Franklin, Suite 560, 79901 — **Fax #:** 915-834-4940

Contact Person: Jose Ojeda — **E-mail:** Jojeda@tceq.state.tx.us

Invoice to: (If different from above)

Project #: — **Project Name:** 2009 Split Sampling

Project Location (including state): El Paso — **Sampler Signature:** Robert Gillian

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
20915	FJ-3 (Gw)	1	500 cc	X								X	X	8/5/09	06:30
916	EP-20 (Gw)	1	↓	X								X	X	8/5/09	07:55
917	EP-35 (Gw)	1	↓	X								X	X	8/5/09	08:30
918	EP-29 (Gw)	1	↓	X								X	X	8/5/09	09:01

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021 / 602 / 8260 / 624		
BTEX 8021 / 602 / 8260 / 624		
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260 / 624		
GC/MS Semi. Vol. 8270 / 625		
PCB's 8082 / 608		
Pesticides 8081 / 608		
BOD, TSS, pH		
Moisture Content		
SM 3500-Cr B (C, III)	X	
	X	
	X	
	X	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Robert Gillian	TCEQ	8/5/09	09:57		Trace Analysis	8/5/09	0957	INST 2 °C OBS 4 °C COR 8 °C
								INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS: All analysis done in EP

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

(4)

Carrier # Prop

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX, 79901

Report Date: August 12, 2009

Work Order: 9080418

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling
Project Number: 2009 Split Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204592	EP-110 (GW)	water	2009-08-03	08:00	2009-08-03
204593	EP-126 (GW)	water	2009-08-03	08:55	2009-08-03
204594	EP-129 (GW)	water	2009-08-03	09:41	2009-08-03
204595	EP-94(GW)	water	2009-08-03	10:41	2009-08-03
204596	EP-49(GW)	water	2009-08-03	11:26	2009-08-03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 2009 Split Sampling were received by TraceAnalysis, Inc. on 2009-08-03 and assigned to work order 9080418. Samples for work order 9080418 were received intact at a temperature of 3.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chromium, Hexavalent	SM 3500-Cr B	53187	2009-08-03 at 14:40	62347	2009-08-03 at 14:40

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9080418 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 204592 - EP-110 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204593 - EP-126 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204594 - EP-129 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204595 - EP-94(GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204596 - EP-49(GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		**0.0200**	mg/L	1	0.0100

Method Blank (1) QC Batch: 62347

QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	QC Preparation:	2009-08-03	Prepared By:	MD

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	62347	Date Analyzed:	2009-08-03	Analyzed By:	MD
Prep Batch:	53187	QC Preparation:	2009-08-03	Prepared By:	MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.501	mg/L	1	0.500	<0.00594	100	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.498	mg/L	1	0.500	<0.00594	100	95.4 - 105	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204592

QC Batch: 62347 | Date Analyzed: 2009-08-03 | Analyzed By: MD
Prep Batch: 53187 | QC Preparation: 2009-08-03 | Prepared By: MD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.565	mg/L	1.11	0.556	<0.00659	102	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.578	mg/L	1.11	0.556	<0.00659	104	80.1 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62347 | Date Analyzed: 2009-08-03 | Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.498	100	90 - 110	2009-08-03

Standard (CCV-2)

QC Batch: 62347 | Date Analyzed: 2009-08-03 | Analyzed By: MD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.506	101	90 - 110	2009-08-03

LAB Order ID # 90804/18

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Company Name: TCEQ Region 6 — Phone #: 915-834-4964

Address: (Street, City, Zip) 401 E. Franklin, Suite 560, 79901 — Fax #: 915-834-4940

Contact Person: José Ojeda — E-mail: JoseOjeda@tceq.state.tx.us

Invoice to: (If different from above)

Project #: — Project Name: 2008 Split Sampling

Project Location (including state): El Paso, TX — Sampler Signature: Robert G. Lilliar

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
204592	EP-110 (GW)	1	500 cc	X								X	X	8/3/09	8:00
	EP-110 (GW) (MS/MSD)	1		X								X	X	8/3/09	8:05
593	EP-126 (GW)	1		X								X	X	8/3/09	8:55
	EP-126 (GW) (MS/MSD)	1		X								X	X	8/3/09	8:55
594	EP-129 (GW)	1		X								X	X	8/3/09	9:41
595	EP-94 (GW)	1		X								X	X	8/3/09	10:41
596	EP-99 (GW)	1		X								X	X	8/3/09	11:26

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	SM 3500-Cr B (Cr VI)	Turn Around Time if different from standard	Hold
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		
																	X		

Relinquished by: Robert G. Lilliar — Company: TCEQ — Date: 8-3-09 — Time: 11:55

Received by: — Company: — Date: 8/3/09 — Time: 11:55 — INST Tel — OBS 2 °C — COR 3 °C

Relinquished by: — Company: — Date: — Time:

Received by: — Company: — Date: — Time: — INST — OBS °C — COR °C

Relinquished by: — Company: — Date: — Time:

Received by: — Company: — Date: — Time: — INST — OBS °C — COR °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS: All Analysis in EP

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Courier In

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Jose Ojeda
TCEQ Region 6
401 E. Franklin
Suite 560
El Paso, TX, 79901

Report Date: August 12, 2009

Work Order: 9080419

Project Location: El Paso, Texas
Project Name: 2009 Split Sampling
Project Number: 2009 Split Sampling

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
204597	EP-71 (GW)	water	2009-08-03	13:17	2009-08-03
204598	EP-51 (GW)	water	2009-08-03	13:55	2009-08-03
204599	EP-81 (GW)	water	2009-08-03	14:35	2009-08-03
204600	EP-80 (GW)	water	2009-08-03	14:57	2009-08-03
204601	FD-1	water	2009-08-03	06:00	2009-08-03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 2009 Split Sampling were received by TraceAnalysis, Inc. on 2009-08-03 and assigned to work order 9080419. Samples for work order 9080419 were received intact at a temperature of 3.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chromium, Hexavalent	SM 3500-Cr B	53189	2009-08-03 at 17:50	62349	2009-08-03 at 17:50

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9080419 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 204597 - EP-71 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204598 - EP-51 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204599 - EP-81 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204600 - EP-80 (GW)

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Sample: 204601 - FD-1

Laboratory:	El Paso				
Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	Sample Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 62349

QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	QC Preparation:	2009-08-03	Prepared By:	JR

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<0.00594	mg/L	0.01

Laboratory Control Spike (LCS-1)

QC Batch:	62349	Date Analyzed:	2009-08-03	Analyzed By:	JR
Prep Batch:	53189	QC Preparation:	2009-08-03	Prepared By:	JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.503	mg/L	1	0.500	<0.00594	101	95.4 - 105

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.505	mg/L	1	0.500	<0.00594	101	95.4 - 105	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 204597

QC Batch: 62349 | Date Analyzed: 2009-08-03 | Analyzed By: JR
Prep Batch: 53189 | QC Preparation: 2009-08-03 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	0.570	mg/L	1.11	0.556	0.047	94	80.1 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	0.567	mg/L	1.11	0.556	0.047	94	80.1 - 118	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 62349 | Date Analyzed: 2009-08-03 | Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.506	101	90 - 110	2009-08-03

Standard (CCV-2)

QC Batch: 62349 | Date Analyzed: 2009-08-03 | Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.505	101	90 - 110	2009-08-03

LAB Order ID # 9080419

Page 1 of 1

TraceAnalysis, Inc.

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Company Name: TCEQ Region 6 — Phone #: (915) 834-4964

Address: (Street, City, Zip) 401 E. Franklin, Suite 560, 79901 — Fax #: (915) 834-4940

Contact Person: Jose Ojeda — E-mail: JOJEDA@tceq.state.tx.us

Invoice to: (If different from above)

Project #: — Project Name: 2009 Split Samples

Project Location (including state): El Paso, TX — Sampler Signature: Jose Ojeda Wilson

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
204597	EP-71 (GW)	1	500 cc	X								X	X	8/3/09	1:17
~~—~~	~~FB-EP-71~~	~~1~~	~~500 cc~~	~~X~~								~~X~~	~~X~~	~~8/3/09~~	~~1:05~~
598	EP-51 (GW)	1	500 cc	X								X	X	8/3/09	1:55
599	EP-81 (GW)	1	500 cc	X								X	X	8/3/09	2:35
600	EP-80 (GW)	1	500 cc	X								X	X	8/3/09	2:57
601	FD-1	1	500 cc	X								X	X	8/3/09	6:00

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	3500 - Cr B (Cr VI)					Turn Around Time if different from standard	Hold
																X	X						
																X	X					5 R S-3-09	
																X							
																X							
																X							
																X							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
James Nolasco	TCEQ	8-3-09	3:25pm			8/3/09	15:25	INST ~~N~~ OBS 2 °C COR 3 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS: All Analyses 4 5P

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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