

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: December 6, 2006

Work Order: 6120613



30-005-63802

Project Name: Buffalo Valley
Project Number: 8 State #001 5-8 TI53R-R-28E

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
110808	C48	soil	2006-12-05	11:39	2006-12-06
110809	C37	soil	2006-12-05	11:31	2006-12-06
110810	A12	soil	2006-12-05	11:20	2006-12-06
110811	C61	soil	2006-12-05	11:52	2006-12-06
110812	B33	soil	2006-12-05	11:24	2006-12-06

Sample: 110808 - C48

Param	Flag	Result	Units	RL
Chloride		114	mg/Kg	2.00

Sample: 110809 - C37

Param	Flag	Result	Units	RL
Chloride		55.2	mg/Kg	2.00

Sample: 110810 - A12

Param	Flag	Result	Units	RL
Chloride		84.6	mg/Kg	2.00

Sample: 110811 - C61

Param	Flag	Result	Units	RL
Chloride		25.8	mg/Kg	2.00

Sample: 110812 - B33

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Param	Flag	Result	Units	RL
Chloride		42.3	mg/Kg	2.00



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Analytical and Quality Control Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: December 6, 2006

Work Order: 6120613



Project Name: Buffalo Valley
Project Number: 8 State #001 5-8 TI53R-R-28E

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
110808	C48	soil	2006-12-05	11:39	2006-12-06
110809	C37	soil	2006-12-05	11:31	2006-12-06
110810	A12	soil	2006-12-05	11:20	2006-12-06
110811	C61	soil	2006-12-05	11:52	2006-12-06
110812	B33	soil	2006-12-05	11:24	2006-12-06

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.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 110808 - C48

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	32536	Date Analyzed:	2006-12-06	Analyzed By:	WB
Prep Batch:	28313	Sample Preparation:	2006-12-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		114	mg/Kg	10	2.00

Sample: 110809 - C37

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	32536	Date Analyzed:	2006-12-06	Analyzed By:	WB
Prep Batch:	28313	Sample Preparation:	2006-12-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		55.2	mg/Kg	10	2.00

Sample: 110810 - A12

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	32536	Date Analyzed:	2006-12-06	Analyzed By:	WB
Prep Batch:	28313	Sample Preparation:	2006-12-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		84.6	mg/Kg	10	2.00

Sample: 110811 - C61

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	32536	Date Analyzed:	2006-12-06	Analyzed By:	WB
Prep Batch:	28313	Sample Preparation:	2006-12-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		25.8	mg/Kg	10	2.00

Sample: 110812 - B33

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	32536	Date Analyzed:	2006-12-06	Analyzed By:	WB
Prep Batch:	28313	Sample Preparation:	2006-12-06	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		42.3	mg/Kg	10	2.00

Method Blank (1) QC Batch: 32536

QC Batch: 32536
Prep Batch: 28313

Date Analyzed: 2006-12-06
QC Preparation: 2006-12-06

Analyzed By: WB
Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 32536
Prep Batch: 28313

Date Analyzed: 2006-12-06
QC Preparation: 2006-12-06

Analyzed By: WB
Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.5	mg/Kg	1	100	<0.500	100	85 - 115

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
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115	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: 110812

QC Batch: 32536
Prep Batch: 28313

Date Analyzed: 2006-12-06
QC Preparation: 2006-12-06

Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1150	mg/Kg	10	1000	42.3	111	70 - 130

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
Chloride	1130	mg/Kg	10	1000	42.3	109	70 - 130	2	20

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

Standard (ICV-1)

QC Batch: 32536

Date Analyzed: 2006-12-06

Analyzed By: WB

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.5	100	85 - 115	2006-12-06

Standard (CCV-1)

QC Batch: 32536

Date Analyzed: 2006-12-06

Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2006-12-06

Trace Analysis, Inc.

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Company Name: Buffalo Valley Phone #: (505) 397-6388
Address: 1324 W. Main St. (Street, City, Zip)
Contact Person: Darryl Rodgers Fax #: (505) 397-0597
Invoice to: State #001 5-8 TI53 R-28E E-mail:
Project #: 8 State #001 5-8 TI53 R-28E Project Name: Buffalo Valley
Project Location (including state): State #001 5-8 TI53 R-28E Supplier Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX						PRESERVATIVE METHOD						SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
11088	C48	402	1	X										12/5/06	11:39		
809	C37	402	1	X										12/5/06	11:31		
810	A12	402	1	X										12/5/06	11:20		
811	C41	402	1	X										12/5/06	11:52		
812	B35	402	1	X										12/5/06	11:24		

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Submitted at Laboratory by: Darryl Rodgers Date: 12/6/06 Time: 10:45

Carrier # Carry-on

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

Intact: Y / N Headspace: Y / N Temp: Y / N Log-in-Review: NO

REMARKS: (R.R.)

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

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