Work Order: 7050215 30-015-34520

Page Number: 1 of 2 Eddy Co.,NM

Summary Report

Dorsey Rogers Cimarex $207~\mathrm{S}~\mathrm{Mesa}$

Report Date: May 2, 2007

Work Order: 7050215

Carlsbad, NM, 88220

Project Location: Eddy Co.,NM Project Name: 30-015-34520 Project Number: Taos Fed #1

_			Date	\mathbf{Time}	Date
Sample	Description	\mathbf{Matrix}	Taken	Taken	Received
123181	1-Background 1-6 inch	soil	2007-05-01	11:20	2007-05-02
123182	2-SE Quad 3'	soil	2007-05-01	12:02	2007-05-02
123183	3-SW Quad 3'3	soil	2007-05-01	12:15	2007-05-02
123184	4-NW Quad 3'	soil	2007-05-01	12:20	2007-05-02
123185	5-Center 3'	soil	2007-05-01	12:30	2007-05-02
123186	6-NE Quad 3'	soil	2007-05-02	12:38	2007-05-02

Sample: 123181 - 1-Background 1-6 inch

Param	Flag	Result	Units	RL
Chloride		< 50.0	mg/Kg	5.00

Sample: 123182 - 2-SE Quad 3'

Param	${f Flag}$	Result	Units	RL
Chloride		156	mg/Kg	5.00

Sample: 123183 - 3-SW Quad 3'3

Param	\mathbf{Flag}	Result	Units	RL
Chloride		132	mg/Kg	5.00

Sample: 123184 - 4-NW Quad 3'

Param	Flag	Result	Units	RL
Chloride		144	mg/Kg	5.00

Report Date: May 2, 2007 Work Order: 7050215 Page Number: 2 of 2 Taos Fed #1 30-015-34520 Eddy Co.,NM Sample: 123185 - 5-Center 3' RLParam Flag Result Units Chloride 268 mg/Kg 5.00 Sample: 123186 - 6-NE Quad 3' Param RLFlag Result Units

140

mg/Kg

5.00

Chloride



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Analytical and Quality Control Report

Dorsey Rogers Cimarex 207 S Mesa Carlsbad, NM, 88220

Report Date: May 2, 2007

7050215

Work Order:

Project Location: Eddy Co.,NM Project Name: Project Number:

30-015-34520 Taos Fed #1

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

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
123181	1-Background 1-6 inch	soil	2007-05-01	11:20	2007-05-02
123182	2-SE Quad 3'	soil	2007-05-01	12:02	2007-05-02
123183	3-SW Quad 3'3	soil	2007-05-01	12:15	2007-05-02
123184	4-NW Quad 3'	soil	2007-05-01	12:20	2007-05-02
123185	5-Center 3'	soil	2007-05-01	12:30	2007-05-02
123186	6-NE Quad 3'	soil	2007-05-02	12:38	2007-05-02

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

 $\boldsymbol{B}\,$ - The sample contains less than ten times the concentration found in the method blank.

Case, Narrative

Samples for project '30-015-34520' were received by TraceAnalysis, Inc. on 2007-05-02 and assigned to work order 7050215. Samples for work order 7050215 were received intact at a temperature of 4 C.

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

Test		Method
Chloride	(Titration)	SM 4500-Cl B

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 7050215 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.

Report Date: May 2, 2007

Taos Fed #1

Work Order: 7050215 30-015-34520

Page Number: 3 of 5 Eddy Co.,NM

Analytical Report

Sample: 123181	l -	1-Background	1-6	inch
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Analysis:

Chloride (Titration)

QC Batch: 36930 Prep Batch: 32040 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B

2007-05-02 2007-05-02

Prep Method: N/A Analyzed By: $\mathbf{E}\mathbf{R}$

 $\mathbf{E}\mathbf{R}$ Prepared By:

Parameter Chloride

Flag

Result <50.0

Units mg/Kg Dilution 10

RL5.00

Sample: 123182 - 2-SE Quad 3'

Analysis: QC Batch:

Chloride (Titration)

36930 32040 Prep Batch:

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-05-02 2007-05-02

Prep Method: N/A Analyzed By: $\mathbf{E}\mathbf{R}$

RL

Parameter

Result

Dilution

Dilution

20

20

Prepared By: ER

Flag Dilution RLUnits Chloride 156 5.00 20 mg/Kg

Sample: 123183 - 3-SW Quad 3'3

Analysis: QC Batch: Chloride (Titration)

36930 Prep Batch: 32040 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-05-02 2007-05-02

Prep Method: N/A Analyzed By: $\mathbf{E}\mathbf{R}$

RL

Parameter Flag Result Chloride 132

Units mg/Kg Prepared By:

RL5.00

RL

5.00

Sample: 123184 - 4-NW Quad 3'

Analysis:

Chloride (Titration)

QC Batch: 36930 Prep Batch: 32040

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-02

Prep Method: N/A Analyzed By: ER

Result

Parameter Flag Chloride

Sample Preparation: RL

144

2007-05-02

Units

mg/Kg

Prepared By: ER

Sample: 123185 - 5-Center 3' Analysis:

Chloride (Titration)

QC Batch: 36930 Prep Batch: 32040 Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-05-02 2007-05-02

Prep Method: N/A Analyzed By: ER Prepared By: $\mathbf{E}\mathbf{R}$

Report Date: May 2, 2007

Taos Fed#1

Work Order: 7050215 30-015-34520

Page Number: 4 of 5 Eddy Co.,NM

		m RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		268	mg/Kg	20	5.00

Sample: 123186 - 6-NE Quad 3'

Analysis:

QC Batch: 36930 Prep Batch: 32040

Chloride (Titration) Analytical Method:

Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-05-02 2007-05-02

Prep Method: N/A

Analyzed By: $\mathbf{E}\mathbf{R}$ Prepared By: $\mathbf{E}\mathbf{R}$

RL

5.00

RL

Parameter Flag Result Units Dilution Chloride 20 140 mg/Kg

Method Blank (1)

QC Batch: 36930

QC Batch: Prep Batch: 32040

36930

Date Analyzed:

2007-05-02

Analyzed By: ER

QC Preparation: 2007-05-02

Prepared By: ER

MDL

Parameter RLFlag Result Units Chloride <3.25 mg/Kg 5

Laboratory Control Spike (LCS-1)

QC Batch: 36930 Prep Batch: 32040

Date Analyzed: QC Preparation:

2007-05-02 2007-05-02 Analyzed By: ER Prepared By: ER

98

Rec.

Limit

90 - 110

LCS Spike Matrix Param Result Units Dil. Result Amount Rec. Chloride 98.5 100 < 3.25 mg/Kg 1

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	99.9	mg/Kg	1	100	< 3.25	100	90 - 110	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: 123186

QC Batch: 36930 Prep Batch: 32040 Date Analyzed: QC Preparation:

2007-05-02 2007-05-02 Analyzed By: ER Prepared By: ER

continued ...

Report Date: May 2, 2007

Taos Fed #1

Work Order: 7050215

30-015-34520

Page Number: 5 of 5

Eddy Co.,NM

matrix	enikee	continued
mainix	spikes	commuea

Param		$rac{ ext{MS}}{ ext{Result}}$	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param		MS Result	Units	Ďil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1	335	mg/Kg	20	2000	140.078	10	84.6 - 117

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

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	${ m Rec.}$	Limit	RPD	Limit
Chloride	2	338	mg/Kg	20	2000	140.078	10	84.6 - 117	1	20

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

Standard (ICV-1)

QC Batch: 36930

Date Analyzed: 2007-05-02

Analyzed By: ER

		 .	ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	$\operatorname{Recovery}$	Limits	Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-05-02

Standard (CCV-1)

QC Batch: 36930

Date Analyzed: 2007-05-02

Analyzed By: ER

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	\mathbf{Flag}	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2007-05-02

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424			155 McCutcheon, Su El Paso, Texas 799	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST														
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