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Analytical and Quality Control Report

Dorsey Rogers
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Report Date: December 28, 2006

Work Order: 6122817



Project Location: Pipeline Deep 7 Fed Comm #2
Project Number: Pipeline Deep 7 Fed Comm #2

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
112797	#007 S.W. Corner 3'	soil	2006-12-27	12:30	2006-12-28
112798	#008 N.W. Corner 3'	soil	2006-12-27	13:00	2006-12-28
112799	#009 Center 3'	soil	2006-12-27	13:30	2006-12-28
112800	#010 N.E. Corner 3'	soil	2006-12-27	14:00	2006-12-28
112801	#011 S.E. Corner 3'	soil	2006-12-27	14:30	2006-12-28
112802	#012 Background	soil	2006-12-27	15:00	2006-12-28

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

Standard Flags

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

INITIAL WORK DONE BY AUSTATE APPROX OCT OR NOV

AUSTATE TOOK NO SAMPLES, NME TOOK
THESE TO CONFIRM LOCATION IS CLEAN.
LOCATION IS OK.

Closure
Approved NMOCD 1.3.06



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Analytical Report

Sample: 112797 - #007 S.W. Corner 3'Analysis: Chloride (Titration)
QC Batch: 33195
Prep Batch: 28855Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-12-28
Sample Preparation: 2006-12-28Prep Method: N/A
Analyzed By: SM
Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<4.00	mg/Kg	2	2.00

Sample: 112798 - #008 N.W. Corner 3'Analysis: Chloride (Titration)
QC Batch: 33195
Prep Batch: 28855Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-12-28
Sample Preparation: 2006-12-28Prep Method: N/A
Analyzed By: SM
Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		18.6	mg/Kg	2	2.00

Sample: 112799 - #009 Center 3'Analysis: Chloride (Titration)
QC Batch: 33195
Prep Batch: 28855Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-12-28
Sample Preparation: 2006-12-28Prep Method: N/A
Analyzed By: SM
Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10.4	mg/Kg	2	2.00

Sample: 112800 - #010 N.E. Corner 3'Analysis: Chloride (Titration)
QC Batch: 33195
Prep Batch: 28855Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-12-28
Sample Preparation: 2006-12-28Prep Method: N/A
Analyzed By: SM
Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11.2	mg/Kg	2	2.00

Sample: 112801 - #011 S.E. Corner 3'Analysis: Chloride (Titration)
QC Batch: 33196
Prep Batch: 28856Analytical Method: SM 4500-Cl B
Date Analyzed: 2006-12-28
Sample Preparation: 2006-12-28Prep Method: N/A
Analyzed By: SM
Prepared By: SM

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Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8.12	mg/Kg	2	2.00

Sample: 112802 - #012 Background

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 33196 Date Analyzed: 2006-12-28 Analyzed By: SM
Prep Batch: 28856 Sample Preparation: 2006-12-28 Prepared By: SM

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12.8	mg/Kg	2	2.00

Method Blank (1) QC Batch: 33195

QC Batch: 33195 Date Analyzed: 2006-12-28 Analyzed By: SM
Prep Batch: 28855 QC Preparation: 2006-12-28 Prepared By: SM

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

Method Blank (1) QC Batch: 33196

QC Batch: 33196 Date Analyzed: 2006-12-28 Analyzed By: SM
Prep Batch: 28856 QC Preparation: 2006-12-28 Prepared By: SM

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

Laboratory Control Spike (LCS-1)

QC Batch: 33195 Date Analyzed: 2006-12-28 Analyzed By: SM
Prep Batch: 28855 QC Preparation: 2006-12-28 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	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	99.6	mg/Kg	1	100	<0.500	100	85 - 115	1	20

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

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Laboratory Control Spike (LCS-1)

QC Batch: 33196
Prep Batch: 28856

Date Analyzed: 2006-12-28
QC Preparation: 2006-12-28

Analyzed By: SM
Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.6	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	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: 112800

QC Batch: 33195
Prep Batch: 28855

Date Analyzed: 2006-12-28
QC Preparation: 2006-12-28

Analyzed By: SM
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	194	mg/Kg	2	200	11.219	91	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	202	mg/Kg	2	200	11.219	95	70 - 130	4	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: 112802

QC Batch: 33196
Prep Batch: 28856

Date Analyzed: 2006-12-28
QC Preparation: 2006-12-28

Analyzed By: SM
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	215	mg/Kg	2	200	12.766	101	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	210	mg/Kg	2	200	12.766	99	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: 33195

Date Analyzed: 2006-12-28

Analyzed By: SM

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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	99.6	100	85 - 115	2006-12-28

Standard (CCV-1)

QC Batch: 33195

Date Analyzed: 2006-12-28

Analyzed By: SM

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	2006-12-28

Standard (ICV-1)

QC Batch: 33196

Date Analyzed: 2006-12-28

Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2006-12-28

Standard (CCV-1)

QC Batch: 33196

Date Analyzed: 2006-12-28

Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.6	100	85 - 115	2006-12-28

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Company Name: New Mexico Environmental Services Phone #: 505-440-0403

Address: (Street, City, Zip) P.O. Box 310 Hobbs N.M. 88241 Fax #: 505-392-3085

Contact Person: Cris Buden E-mail: clord@pers@nm.com

Invoiced to: Comanche Energy Project Name: Pipeline Deep 7 Fed Comm #2

(If different from above) Project #:

Project Location (including state): Sec. 7 T19S R34E A2#30-085-32113 Lea Co. NM Sampler Signature: Cris Buden

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		DATE	TIME	MTBE	BTEX	TPH	PAH	Total Metals	TCLP Metals	TCLP Volatiles	TCLP Pesticides	RCI	GC/MS Vol.	GC/MS Semi. Vol.	PCB's	Pesticides	BOD, TSS, pH	Moisture Content	pH	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																			
112797	#007 S.W. Corner 3'	1	402	X										12/27	12:30																	
98	#008 N.W. Corner 3'	1		X											1:00																	
99	#009 Center 3'	1		X											1:30																	
800	#010 N.E. Corner 3'	1		X											2:00																	
011	#011 S.E. Corner 3'	1		X											2:30																	
012	#012 Background	1		X											3:00																	

Relinquished by: Cris Buden Date: 12/28/06 Time: 7:00am

Relinquished by: John J. L... Date: 12/28/06 Time: 1:20pm

Relinquished by: John J. L... Date: 12/28/06 Time: 1:20pm

Received by: John J. L... Date: 12/28/06 Time: 7:40am

Received by: John J. L... Date: 12/28/06 Time: 1:20pm

Received at Laboratory by: Sharon Simpson Date: 12/28/06 Time: 1:20pm

LAB USE ONLY

Intact ☒ N

Headspace ☒ N

Temp ☒ N

Log-in Review ☒ N

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check if Special Reporting Limits Are Needed

12/28/2006 THU 04:27 [TX/RX NO 6898] 012

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