

Summary Report

Dorsey Rogers
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207 S Mesa
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Report Date: August 6, 2007

Work Order: 7080331



Project Location: Sec.33.T24s;R26e
Project Name: White City 33 fed com #4

30-015-34882

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
132051	#001 N.E. Corner 6'	soil	2007-08-01	12:00	2007-08-03
132052	#002 N.W. 6'	soil	2007-08-01	13:00	2007-08-03
132053	#003 S.E. 6'	soil	2007-08-01	14:00	2007-08-03
132054	#004 S.W. 6'	soil	2007-08-01	15:00	2007-08-03
132055	#005 Background	soil	2007-08-01	16:00	2007-08-03

Sample: 132051 - #001 N.E. Corner 6'

Param	Flag	Result	Units	RL
Chloride		60.2	mg/Kg	5.00

Sample: 132052 - #002 N.W. 6'

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	5.00

Sample: 132053 - #003 S.E. 6'

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	5.00

Sample: 132054 - #004 S.W. 6'

Param	Flag	Result	Units	RL
Chloride		173	mg/Kg	5.00

Sample: 132055 - #005 Background

Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	5.00



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Analytical and Quality Control Report

Dorsey Rogers
Cimarex
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Carlsbad, NM, 88220

Report Date: August 6, 2007

Work Order: 7080331



Project Location: Sec.33.T24s;R26e
Project Name: White City 33 fed com #4
Project Number: White City 33 fed com #4

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
132051	#001 N.E. Corner 6'	soil	2007-08-01	12:00	2007-08-03
132052	#002 N.W. 6'	soil	2007-08-01	13:00	2007-08-03
132053	#003 S.E. 6'	soil	2007-08-01	14:00	2007-08-03
132054	#004 S.W. 6'	soil	2007-08-01	15:00	2007-08-03
132055	#005 Background	soil	2007-08-01	16:00	2007-08-03

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 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.

Case Narrative

Samples for project White City 33 fed com #4 were received by TraceAnalysis, Inc. on 2007-08-03 and assigned to work order 7080331. Samples for work order 7080331 were received intact at a temperature of 4.0 deg 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 7080331 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: 132051 - #001 N.E. Corner 6'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39718	Date Analyzed:	2007-08-03	Analyzed By:	ER
Prep Batch:	34377	Sample Preparation:	2007-08-03	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		60.2	mg/Kg	10	5.00

Sample: 132052 - #002 N.W. 6'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39718	Date Analyzed:	2007-08-03	Analyzed By:	ER
Prep Batch:	34377	Sample Preparation:	2007-08-03	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<20.0	mg/Kg	4	5.00

Sample: 132053 - #003 S.E. 6'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39718	Date Analyzed:	2007-08-03	Analyzed By:	ER
Prep Batch:	34377	Sample Preparation:	2007-08-03	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<20.0	mg/Kg	4	5.00

Sample: 132054 - #004 S.W. 6'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39718	Date Analyzed:	2007-08-03	Analyzed By:	ER
Prep Batch:	34377	Sample Preparation:	2007-08-03	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		173	mg/Kg	10	5.00

Sample: 132055 - #005 Background

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39718	Date Analyzed:	2007-08-03	Analyzed By:	ER
Prep Batch:	34377	Sample Preparation:	2007-08-03	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<20.0	mg/Kg	4	5.00

Method Blank (1) QC Batch: 39718

QC Batch: 39718 Date Analyzed: 2007-08-03 Analyzed By: ER
Prep Batch: 34377 QC Preparation: 2007-08-03 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 39718 Date Analyzed: 2007-08-03 Analyzed By: ER
Prep Batch: 34377 QC Preparation: 2007-08-03 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.6	mg/Kg	1	100	<3.25	100	90 - 110

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	98.4	mg/Kg	1	100	<3.25	98	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: 132057

QC Batch: 39718 Date Analyzed: 2007-08-03 Analyzed By: ER
Prep Batch: 34377 QC Preparation: 2007-08-03 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 18800	mg/Kg	100	10000	17592.2	12	84.6 - 117

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	² 19400	mg/Kg	100	10000	17592.2	18	84.6 - 117	3	20

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

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.

Standard (ICV-1)

QC Batch: 39718

Date Analyzed: 2007-08-03

Analyzed By: ER

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	2007-08-03

Standard (CCV-1)

QC Batch: 39718

Date Analyzed: 2007-08-03

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2007-08-03

