

Summary Report

Keith Cannon
Nadel & Gussman Heyco, LLC
P.O. Box 1936
Roswell, NM, 88202

Report Date: May 7, 2008

Work Order: 8050526



30-015-36199

Project Name: Pre-Drilling Background
Project Number: SST #5

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
158812	E outer horseshoe	soil	2008-04-29	14:50	2008-05-05
158813	E inner horseshoe	soil	2008-04-29	15:11	2008-05-05
158814	W outer horseshoe	soil	2008-04-29	15:30	2008-05-05
158815	W inner horseshoe	soil	2008-04-29	15:50	2008-05-05
158816	Mid horseshoe berm	soil	2008-04-29	16:10	2008-05-05

Sample: 158812 - E outer horseshoe

Param	Flag	Result	Units	RL
Chloride		94.0	mg/Kg	3.25

Sample: 158813 - E inner horseshoe

Param	Flag	Result	Units	RL
Chloride		153	mg/Kg	3.25

Sample: 158814 - W outer horseshoe

Param	Flag	Result	Units	RL
Chloride		140	mg/Kg	3.25

Sample: 158815 - W inner horseshoe

Param	Flag	Result	Units	RL
Chloride		182	mg/Kg	3.25

Sample: 158816 - Mid horseshoe berm

Param	Flag	Result	Units	RL
Chloride		172	mg/Kg	3.25



0701 Anderson Avenue, Suite 8 Lubbock, Texas 79424 RO 806•794•1298 FAX 806•794•1299
200 East Sunset Blvd., Suite 5 El Paso, Texas 79902 RO 915•595•3143 FAX 915•595•4944
5601 Basin Street, Suite A1 Dallas, Texas 75238 RO 432•699•6900 FAX 432•699•6312
8015 Fries Parkway, Suite 100 Fort Worth, Texas 76132 RO 817•231•5250
(E-Mail: info@traceanalysis.com)

Analytical and Quality Control Report

Keith Cannon
Nadel & Gussman Heyco, LLC
P.O. Box 1936
Roswell, NM, 88202

Report Date: May 7, 2008

Work Order: 8050526



Project Name: Pre-Drilling Background
Project Number: SST #5

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
158812	E outer horseshoe	soil	2008-04-29	14:50	2008-05-05
158813	E inner horseshoe	soil	2008-04-29	15:11	2008-05-05
158814	W outer horseshoe	soil	2008-04-29	15:30	2008-05-05
158815	W inner horseshoe	soil	2008-04-29	15:50	2008-05-05
158816	Mid horseshoe berm	soil	2008-04-29	16:10	2008-05-05

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.

This report consists of a total of 4 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: 158812 - E outer horseshoe

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	48137	Date Analyzed:	2008-05-06	Analyzed By:	RD
Prep Batch:	41395	Sample Preparation:	2008-05-06	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		94.0	mg/Kg	10	3.25

Sample: 158813 - E inner horseshoe

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	48137	Date Analyzed:	2008-05-06	Analyzed By:	RD
Prep Batch:	41395	Sample Preparation:	2008-05-06	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		153	mg/Kg	10	3.25

Sample: 158814 - W outer horseshoe

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	48137	Date Analyzed:	2008-05-06	Analyzed By:	RD
Prep Batch:	41395	Sample Preparation:	2008-05-06	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		140	mg/Kg	10	3.25

Sample: 158815 - W inner horseshoe

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	48137	Date Analyzed:	2008-05-06	Analyzed By:	RD
Prep Batch:	41395	Sample Preparation:	2008-05-06	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		182	mg/Kg	10	3.25

Sample: 158816 - Mid horseshoe berm

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	48137	Date Analyzed:	2008-05-06	Analyzed By:	RD
Prep Batch:	41395	Sample Preparation:	2008-05-06	Prepared By:	RD

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		172	mg/Kg	10	3.25

Method Blank (1) QC Batch: 48137

QC Batch: 48137 Date Analyzed: 2008-05-06 Analyzed By: RD
Prep Batch: 41395 QC Preparation: 2008-05-06 Prepared By: RG

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 48137 Date Analyzed: 2008-05-06 Analyzed By: RD
Prep Batch: 41395 QC Preparation: 2008-05-06 Prepared By: RG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<1.80	101	96.8 - 103

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	101	mg/Kg	1	100	<1.80	101	96.8 - 103	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: 158816

QC Batch: 48137 Date Analyzed: 2008-05-06 Analyzed By: RD
Prep Batch: 41395 QC Preparation: 2008-05-06 Prepared By: RG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	664	mg/Kg	10	500	171.51	98	76.4 - 123

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	718	mg/Kg	10	500	171.51	109	76.4 - 123	8	20

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

Standard (ICV-1)

QC Batch: 48137 Date Analyzed: 2008-05-06 Analyzed By: RD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.8	99	85 - 115	2008-05-06

Standard (CCV-1)

QC Batch: 48137

Date Analyzed: 2008-05-06

Analyzed By: RD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-05-06

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 376-12965002 Basin Street Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313200 East Sunset Rd. Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-34438808 Camp Bowie Blvd. West Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: Nadel & Gussman HEYCO Phone #: 575-626-1936
 Address: (Street, City, Zip) P.O. Box 1936 Roswell, NM Fax #:
 Contact Person: Keith Cannon E-mail: kcannon@HEYCOENERGY.COM

Invoice to:
 (If different from above)

Project #:

Project Name:

Sampler Signature:

Project Location (including state):

SS1 State #5

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
	Pre drilling pit data background																
	E site outer ^{CR}																
158812	E outer horseshoe			X									X	4/24/08	1450		
13	E inner horseshoe			X									X	4/24/08	1511		
14	W outer horseshoe			X									X	4/24/08	1530		
CR	E Winner horseshoe			X									X	4/24/08	1550		
158815	Mid horseshoe berm			X									X	4/24/08	1610		

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

Relinquished by: Company: Date: Time: Received by: Company: Date: Time: Temp °C:

LAB USE ONLY

Intact Y DNHeadspace Y LN NALog-in-Review 37

REMARKS:

ASAP

- ☐ 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 # Bws 3046650607