

Summary Report

Kem McCreedy
Nadel & Gussman Permian LLC
601 N. Marienfeld
Suite 508
Midland, TX, 79701

Report Date: April 24, 2007

Work Order: 7042414



30-015-34572

Project Number: Hermes Fee No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122544	N Wall & Floor Comp	soil	2007-04-20	16:00	2007-04-24
122545	S Wall & Floor Comp	soil	2007-04-20	16:20	2007-04-24
122546	E Wall & Floor Comp	soil	2007-04-20	16:30	2007-04-24
122547	W Wall & Floor Comp	soil	2007-04-20	16:50	2007-04-24

Sample: 122544 - N Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		3060	mg/Kg	5.00

Sample: 122545 - S Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		2700	mg/Kg	5.00

Sample: 122546 - E Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		3340	mg/Kg	5.00

Sample: 122547 - W Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		3580	mg/Kg	5.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 885•582•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Kem McCreedy
Nadel & Gussman Permian LLC
601 N. Marienfeld
Suite 508
Midland, TX, 79701

Report Date: April 24, 2007

Work Order: 7042414



Project Number: Hermes Fee No. 1

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
122544	N Wall & Floor Comp	soil	2007-04-20	16:00	2007-04-24
122545	S Wall & Floor Comp	soil	2007-04-20	16:20	2007-04-24
122546	E Wall & Floor Comp	soil	2007-04-20	16:30	2007-04-24
122547	W Wall & Floor Comp	soil	2007-04-20	16:50	2007-04-24

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 were received by TraceAnalysis, Inc. on 2007-04-24 and assigned to work order 7042414. Samples for work order 7042414 were received intact at a temperature of 22 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 7042414 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 preformed 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: 122544 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36729	Date Analyzed:	2007-04-24	Analyzed By:	JS
Prep Batch:	31865	Sample Preparation:	2007-04-24	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3060	mg/Kg	200	5.00

Sample: 122545 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36729	Date Analyzed:	2007-04-24	Analyzed By:	JS
Prep Batch:	31865	Sample Preparation:	2007-04-24	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2700	mg/Kg	200	5.00

Sample: 122546 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36729	Date Analyzed:	2007-04-24	Analyzed By:	JS
Prep Batch:	31865	Sample Preparation:	2007-04-24	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3340	mg/Kg	200	5.00

Sample: 122547 - W Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36729	Date Analyzed:	2007-04-24	Analyzed By:	JS
Prep Batch:	31865	Sample Preparation:	2007-04-24	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3580	mg/Kg	200	5.00

Method Blank (1) QC Batch: 36729

QC Batch:	36729	Date Analyzed:	2007-04-24	Analyzed By:	JS
Prep Batch:	31865	QC Preparation:	2007-04-24	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 36729
Prep Batch: 31865

Date Analyzed: 2007-04-24
QC Preparation: 2007-04-24

Analyzed By: JS
Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	mg/Kg	1	100	<3.25	99	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	98.6	mg/Kg	1	100	<3.25	99	90 - 110	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: 122547

QC Batch: 36729
Prep Batch: 31865

Date Analyzed: 2007-04-24
QC Preparation: 2007-04-24

Analyzed By: JS
Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 4100	mg/Kg	200	20000	3578.53	3	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 3860	mg/Kg	200	20000	3578.53	1	84.6 - 117	6	20

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

Standard (ICV-1)

QC Batch: 36729

Date Analyzed: 2007-04-24

Analyzed By: JS

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	2007-04-24

Standard (CCV-1)

QC Batch: 36729

Date Analyzed: 2007-04-24

Analyzed By: JS

¹Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

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	2007-04-24

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Model & Quaman Permian, LLC Phone #: 432-682-4429
Address: (Street, City, Zip) 601 N. Mainfield, Suite 508, Midland, TX 79701 Fax #:
Contact Person: Kem McCready E-mail: Kem@magnum.com
Invoice to:
(If different from above)
Project #: Nesmes Fee No. 1 Project Name: Civil
Project Location (including state): Sampler Signature: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		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 C Cd Cr Pb Se Hg 6010B/2007	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	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																					
122544	Wall? floor comp.	1		X									X	4/20/07	1600																				X	
45	Wall? floor comp.	1		X									X	4/20/07	1620																					
46	E wall? floor comp.	1		X									X	4/20/07	1630																					
47	Wall? floor comp.	1		X									X	4/20/07	1650																					
	4th Insitu solidification pit																																			

Soil 1/2 on all samples
Email Results to:
Kem@magnum.com
Mike.Bratche@state.nm.us
Cmunk@mac.com

Relinquished by: Cheryl Penker Date: 4/23/07 Time: 1630
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received at Laboratory by: Quana C. Gentry Date: 4-24-07 Time: 1100

LAB USE ONLY
Intact Y/N
Headspace Y/N
Temp 22°C
Log-in-Review _____
Carrier # CC-7116000134666

REMARKS:
24 Hr.
☐ 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.

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