

Summary Report

Cheryl Winkler
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Suite 508
Midland, TX, 79701

Report Date: April 27, 2007

Work Order: 7042724



30-015-34572

Project Number: Hermes Fee No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122852	N 1/2 Floor & Walls Comp	soil	2007-04-26	16:00	2007-04-27
122853	S 1/2 Floor & Wall Comp	soil	2007-04-26	16:20	2007-04-27

Sample: 122852 - N 1/2 Floor & Walls Comp

Param	Flag	Result	Units	RL
Chloride		1250	mg/Kg	5.00

Sample: 122853 - S 1/2 Floor & Wall Comp

Param	Flag	Result	Units	RL
Chloride		3320	mg/Kg	5.00



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Analytical and Quality Control Report

Cheryl Winkler
Nadel & Gussman Permian LLC
601 N. Marienfeld
Suite 508
Midland, TX, 79701

Report Date: April 27, 2007

Work Order: 7042724



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
122852	N 1/2 Floor & Walls Comp	soil	2007-04-26	16:00	2007-04-27
122853	S 1/2 Floor & Wall Comp	soil	2007-04-26	16:20	2007-04-27

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.

Case Narrative

Samples for project were received by TraceAnalysis, Inc. on 2007-04-27 and assigned to work order 7042724. Samples for work order 7042724 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 7042724 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: 122852 - N 1/2 Floor & Walls Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36827	Date Analyzed:	2007-04-27	Analyzed By:	JS
Prep Batch:	31945	Sample Preparation:	2007-04-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1250	mg/Kg	100	5.00

Sample: 122853 - S 1/2 Floor & Wall Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36827	Date Analyzed:	2007-04-27	Analyzed By:	JS
Prep Batch:	31945	Sample Preparation:	2007-04-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3320	mg/Kg	200	5.00

Method Blank (1) QC Batch: 36827

QC Batch:	36827	Date Analyzed:	2007-04-27	Analyzed By:	JS
Prep Batch:	31945	QC Preparation:	2007-04-27	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch:	36827	Date Analyzed:	2007-04-27	Analyzed By:	JS
Prep Batch:	31945	QC Preparation:	2007-04-27	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	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	102	mg/Kg	1	100	<3.25	102	90 - 110	2	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: 122853

QC Batch: 36827
Prep Batch: 31945

Date Analyzed: 2007-04-27
QC Preparation: 2007-04-27

Analyzed By: JS
Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 3710	mg/Kg	200	20000	3320	2	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 3470	mg/Kg	200	20000	3320	1	84.6 - 117	7	20

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

Standard (ICV-1)

QC Batch: 36827

Date Analyzed: 2007-04-27

Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2007-04-27

Standard (CCV-1)

QC Batch: 36827

Date Analyzed: 2007-04-27

Analyzed By: JS

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	2007-04-27

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.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 7642724

Company Name: Quasman Permian, LLC Phone #: 432-682-4429
Address: 601 N. Mainfield, Suite 508, Midland, TX Fax #:
Contact Person: Ken McCreedy 79701 e-mail: kenm@quasman.com

Invoice to:
(If different from above)

Project #: Hermes Fee No. 1 Project Name: Aggr

Project Location: Pit No. 5 solidification Sampler Signature: [Signature]

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		
122852	NY 2 Floor & Waller Comp.	1		X									X	4/26/07	1600		X
53	S 1/2 Floor & Waller Comp.	1		X									X	4/26	1620		
	Pit # 5																

Relinquished by: [Signature] Date: 4/26/07 Time: 1640

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: Time:

Received at Laboratory by: Date: Time:

LAB USE ONLY

Intact (Y) N
Headspace Y / N
Temp 25°C
Log-In Review

REMARKS:

24 Hr.

- ☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Carrier # BUSCH 1690134019

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

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