Summary Report

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

Report Date: April 18, 2007

Work Order: 7041817

Project Name: Solidification Pit 30-015-34572
Project Number: Hermes Fee No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
122022	N Wall & Floor Comp	soil	2007-04-17	09:00	2007-04-18
122023	S Wall & Floor Comp	soil	2007-04-17	09:20	2007-04-18
122024	E Wall & Floor Comp	soil	2007-04-17	09:30	2007-04-18
122025	W Wall & Floor comp	soil	2007-04-17	10:00	2007-04-18

Sample: 122022 - N Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		**3240**	mg/Kg	5.00

Sample: 122023 - S Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		**3540**	mg/Kg	5.00

Sample: 122024 - E Wall & Floor Comp

Param	Flag	Result	Units	RL
Chloride		**1680**	mg/Kg	5.00

Sample: 122025 - W Wall & Floor comp

Param	Flag	Result	Units	RL
Chloride		**1620**	mg/Kg	5.00

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: April 18, 2007

Work Order: 7041817

Project Name: Solidification Pit
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
122022	N Wall & Floor Comp	soil	2007-04-17	09:00	2007-04-18
122023	S Wall & Floor Comp	soil	2007-04-17	09:20	2007-04-18
122024	E Wall & Floor Comp	soil	2007-04-17	09:30	2007-04-18
122025	W Wall & Floor comp	soil	2007-04-17	10:00	2007-04-18

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.

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 'Solidification Pit' were received by TraceAnalysis, Inc. on 2007-04-18 and assigned to work order 7041817. Samples for work order 7041817 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 occuring, however, it may not pertain to the samples for work order 7041817 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 appropreate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 122022 - N Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36584	Date Analyzed:	2007-04-18	Analyzed By:	JS
Prep Batch:	31728	Sample Preparation:	2007-04-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3240**	mg/Kg	100	5.00

Sample: 122023 - S Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36584	Date Analyzed:	2007-04-18	Analyzed By:	JS
Prep Batch:	31728	Sample Preparation:	2007-04-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3540**	mg/Kg	100	5.00

Sample: 122024 - E Wall & Floor Comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36584	Date Analyzed:	2007-04-18	Analyzed By:	JS
Prep Batch:	31728	Sample Preparation:	2007-04-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1680**	mg/Kg	100	5.00

Sample: 122025 - W Wall & Floor comp

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	36584	Date Analyzed:	2007-04-18	Analyzed By:	JS
Prep Batch:	31728	Sample Preparation:	2007-04-18	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1620**	mg/Kg	100	5.00

Method Blank (1) QC Batch: 36584

QC Batch:	36584	Date Analyzed:	2007-04-18	Analyzed By:	JS
Prep Batch:	31728	QC Preparation:	2007-04-18	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 36584 | Date Analyzed: 2007-04-18 | Analyzed By: JS
Prep Batch: 31728 | QC Preparation: 2007-04-18 | Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<3.25	101	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	98.0	mg/Kg	1	100	<3.25	98	90 - 110	3	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: 122025

QC Batch: 36584 | Date Analyzed: 2007-04-18 | Analyzed By: JS
Prep Batch: 31728 | QC Preparation: 2007-04-18 | Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[1]	1980	mg/Kg	100	10000	1620	4	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]	1700	mg/Kg	100	10000	1620	1	84.6 - 117	15	20

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

Standard (ICV-1)

QC Batch: 36584 | Date Analyzed: 2007-04-18 | Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-04-18

Standard (CCV-1)

QC Batch: 36584 | Date Analyzed: 2007-04-18 | Analyzed By: JS

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. 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	99.3	99	85 - 115	2007-04-18

LAB Order ID # 7041818

TraceAnalysis, Inc.

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Phone #: 432-682-4429
Address: (Street, City, Zip) 601 N. Marienfeld, Suite 508, Midland, TX 79701
Fax #:
Contact Person: Kem McCready
E-mail: kemm@naguss.com
Invoice to: (If different from above)
Project #: Hermes Fee No. 1 4th Solidification Pit
Project Name: [illegible]
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

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 Cd Cr Pb Se Hg 6010B/200.7; 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

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO3	H2SO4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Analysis Request	Turn Around Time	Hold
122022	N wall & floor comp.	1			X								X	4/17/07	0900	Soil Cl for all samples	X	
23	S wall & floor comp.	1			X								X		0920			
24	E wall & floor comp.	1			X								X		0930	Email results to:		
25	W wall & floor comp.	1			X								X	4-17	1000	kemm@naguss.com		
																mike.bratcher@state.nm.us		
																CMWink@mac.com		

All samples come from Hermes 4th Solidification pit.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	4-17-07	1015			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	4-18-07	10:45

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 2.2°C
Log-in-Review

Carrier # Bus CLT 1049 6134435

REMARKS: 24 Hr.

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