Work Order: 7050319 Hannibal Fee No. 1 Page Number: 1 of 2



Summary Report

Kem McCready Nadel & Gussman Permian LLC

601 N. Marienfeld Suite 508

Midland, TX, 79701

30-015-34600

Report Date: May 4, 2007

Work Order: 7050319

Project Name: Hannibal Fee No. 1

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
123299	N Wall Floor Comp	soil	2007-05-02	10:50	2007-05-03
123300	S Wall Floor Comp	soil	2007-05-02	11:00	2007-05-03
123301	E Wall Floor Comp	soil	2007-05-02	11:20	2007-05-03
123302	W Wall Floor Comp	soil	2007-05-02	11:40	2007-05-03
123303	Romulus Blowout Tank	soil	2007-05-02	12:00	2007-05-03

Sample: 123299 - N Wall Floor Comp

Param	Flag	${f Result}$	Units	RL
Chloride		8030	mg/Kg	5.00

Sample: 123300 - S Wall Floor Comp

Param	Flag	Result	Units	RL
Chloride		8180	mg/Kg	5.00

Sample: 123301 - E Wall Floor Comp

Param	Flag	Result	Units	RL
Chloride		212	${ m mg/Kg}$	5.00

Sample: 123302 - W Wall Floor Comp

Param	Flag	Result	Units	RL
Chloride		174	mg/Kg	5.00

Sample: 123303 - Romulus Blowout Tank

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

This is only a summary. Please, refer to the complete report package for quality control data.



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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: May 4, 2007

Work Order:

7050319

Project Name:

Hannibal Fee No. 1 Project Number: Hannibal Fee No. 1

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	${f Time}$	\mathbf{Date}
Sample	Description	Matrix	Taken	Taken	Received
123299	N Wall Floor Comp	soil	2007-05-02	10:50	2007-05-03
123300	S Wall Floor Comp	soil	2007-05-02	11:00	2007-05-03
123301	E Wall Floor Comp	soil	2007-05-02	11:20	2007-05-03
123302	W Wall Floor Comp	soil	2007-05-02	11:40	2007-05-03
123303	Romulus Blowout Tank	soil	2007-05-02	12:00	2007-05-03

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

 $\boldsymbol{B}\,$ - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project 'Hannibal Fee No. 1' were received by TraceAnalysis, Inc. on 2007-05-03 and assigned to work order 7050319. Samples for work order 7050319 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 7050319 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.

Work Order: 7050319 Hannibal Fee No. 1

Page Number: 2 of 2

Param	Flag	Result	\mathbf{Units}	RL
Chloride		208	mg/Kg	5.00

Hannibal Fee No. 1

Work Order: 7050319 Hannibal Fee No. 1

Page Number: 3 of 5

Analytical Report

Sample: 123299 - N Wall Floor Comp

Analysis:

Chloride (Titration)

QC Batch: 36978 Prep Batch: 32077 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-05-03

2007-05-03

Prep Method: N/A SM

Analyzed By: Prepared By: SM

RLResult

8030

Parameter Chloride

Flag

Units mg/Kg Dilution 200

RL5.00

Sample: 123300 - S Wall Floor Comp

Analysis:

Chloride (Titration)

Analytical Method:

SM 4500-Cl B 2007-05-03

Prep Method: Analyzed By:

N/A

QC Batch: Prep Batch:

36978 32077 Date Analyzed: Sample Preparation:

2007-05-03

Prepared By:

SM

Flag

Units

SM

Parameter Chloride

RLResult 8180

mg/Kg

Dilution 200

RL

5.00

Sample: 123301 - E Wall Floor Comp

Analysis: QC Batch: Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-05-03

Prep Method: Analyzed By:

N/A SM

Prep Batch:

36978 32077

Sample Preparation:

2007-05-03

Prepared By: SM

RL

Parameter Chloride

Result 212

Units mg/Kg Dilution 20

Dilution

20

RL

5.00

Sample: 123302 - W Wall Floor Comp

Analysis:

Chloride (Titration)

Analytical Method:

SM 4500-Cl B

Prep Method: N/A

SM

QC Batch: Prep Batch: 36978 32077

Date Analyzed: Sample Preparation:

2007-05-03 2007-05-03

Analyzed By: Prepared By:

SM

Flag

Flag Parameter Chloride

RLResult 174

Units

mg/Kg

RL

5.00

SM

Sample: 123303 - Romulus Blowout Tank

Analysis:

Chloride (Titration)

Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-05-03 2007-05-03

Prep Method: N/A Analyzed By: SMPrepared By:

QC Batch: Prep Batch:

36978 32077

Hannibal Fee No. 1

Work Order: 7050319 Hannibal Fee No. 1

Page Number: 4 of 5

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		208	mg/Kg	20	5.00

Method Blank (1)

QC Batch: 36978

QC Batch: Prep Batch: 32077

36978

Date Analyzed:

2007-05-03

QC Preparation: 2007-05-03

Analyzed By: SM

Prepared By:

MDLParameter Flag

Result < 3.25

Units RLmg/Kg 5

Laboratory Control Spike (LCS-1)

QC Batch:

Chloride

36978

Date Analyzed:

2007-05-03

Analyzed By: SM

Prep Batch: 32077

QC Preparation:

2007-05-03

Prepared By: SM

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	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.

	LCSD			\mathbf{Spike}	Matrix		Rec.		RPD
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	99.4	mg/Kg	1	100	< 3.25	99	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: 123303

QC Batch:

36978

Prep Batch: 32077

Date Analyzed:

QC Preparation:

2007-05-03

2007-05-03

Analyzed By: SM Prepared By: SM

MS Spike Matrix Rec. Result Units Dil. Result Rec. Limit Param Amount Chloride 432 mg/Kg 20 2000 208.494 11 84.6 - 117

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

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	432	mg/Kg	20	2000	208.494	11	84.6 - 117	0	20

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

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.

Hannibal Fee No. 1

Work Order: 7050319

Hannibal Fee No. 1

Page Number: 5 of 5

Standard (ICV-1)

QC Batch: 36978

Date Analyzed: 2007-05-03

Analyzed By: SM

			ICVs True	ICVs Found	${\rm ICVs} \\ {\rm Percent} \\ -$	Percent Recovery	Date
Param	Flag	${f Units}$	Conc.	Conc.	Recovery	${f Limits}$	Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-05-03

Standard (CCV-1)

QC Batch: 36978

Date Analyzed: 2007-05-03

Analyzed By: SM

			CCVs	CCVs	CCVs	Percent	
	•		True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.2	99	85 - 115	2007-05-03

f of /

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Page

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

Company Name: All Man Plantan, LLC Phone #: Note: Manual Plantan, LLC Phone #: Address: Street, City, Zip) Address: Street, City, Zip) Contact Person: A Part SUB Milland, TX 7970/ Contact Person: A Part SUB Milland, TX 1970/ E-mail:										ANALYSIS REQUEST (Circle or Specify Method No.)																										
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