

Summary Report

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

Report Date: April 26, 2007

Work Order: 7042508

*30-015-34600*

Project Name: Hannibal Fee No. 1

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|------------------|--------|------------|------------|---------------|
| 122587 | N Wall & Floor | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122588 | S Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122589 | E Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122590 | W Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122591 | Background | soil | 2007-04-24 | 00:00 | 2007-04-25 |

Sample: 122587 - N Wall & Floor

| Param | Flag | Result | Units | RL |
|----------|------|--------|-------|------|
| Chloride | | 202 | mg/Kg | 5.00 |

Sample: 122588 - S Walls & Floors

| Param | Flag | Result | Units | RL |
|----------|------|--------|-------|------|
| Chloride | | 184 | mg/Kg | 5.00 |

Sample: 122589 - E Walls & Floors

| Param | Flag | Result | Units | RL |
|----------|------|--------|-------|------|
| Chloride | | 233 | mg/Kg | 5.00 |

Sample: 122590 - W Walls & Floors

| Param | Flag | Result | Units | RL |
|----------|------|--------|-------|------|
| Chloride | | 180 | mg/Kg | 5.00 |

Sample: 122591 - Background

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.

| Param | Flag | Result | Units | RL |
|----------|------|------------|-------|------|
| Chloride | | 223 | mg/Kg | 5.00 |



6791 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 888•588•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 26, 2007

Work Order: 7042508



30-015-34600

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.

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|------------------|--------|------------|------------|---------------|
| 122587 | N Wall & Floor | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122588 | S Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122589 | E Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122590 | W Walls & Floors | soil | 2007-04-24 | 00:00 | 2007-04-25 |
| 122591 | Background | soil | 2007-04-24 | 00:00 | 2007-04-25 |

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 'Hannibal Fee No. 1' were received by TraceAnalysis, Inc. on 2007-04-25 and assigned to work order 7042508. Samples for work order 7042508 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 7042508 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: 122587 - N Wall & Floor

| | | | | | |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis: | Chloride (Titration) | Analytical Method: | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch: | 36774 | Date Analyzed: | 2007-04-25 | Analyzed By: | JS |
| Prep Batch: | 31899 | Sample Preparation: | 2007-04-25 | Prepared By: | JS |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| Chloride | | 202 | mg/Kg | 5 | 5.00 |

Sample: 122588 - S Walls & Floors

| | | | | | |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis: | Chloride (Titration) | Analytical Method: | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch: | 36774 | Date Analyzed: | 2007-04-25 | Analyzed By: | JS |
| Prep Batch: | 31899 | Sample Preparation: | 2007-04-25 | Prepared By: | JS |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| Chloride | | 184 | mg/Kg | 5 | 5.00 |

Sample: 122589 - E Walls & Floors

| | | | | | |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis: | Chloride (Titration) | Analytical Method: | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch: | 36774 | Date Analyzed: | 2007-04-25 | Analyzed By: | JS |
| Prep Batch: | 31899 | Sample Preparation: | 2007-04-25 | Prepared By: | JS |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| Chloride | | 233 | mg/Kg | 5 | 5.00 |

Sample: 122590 - W Walls & Floors

| | | | | | |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis: | Chloride (Titration) | Analytical Method: | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch: | 36774 | Date Analyzed: | 2007-04-25 | Analyzed By: | JS |
| Prep Batch: | 31899 | Sample Preparation: | 2007-04-25 | Prepared By: | JS |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| Chloride | | 180 | mg/Kg | 5 | 5.00 |

Sample: 122591 - Background

| | | | | | |
|-------------|----------------------|---------------------|--------------|--------------|-----|
| Analysis: | Chloride (Titration) | Analytical Method: | SM 4500-Cl B | Prep Method: | N/A |
| QC Batch: | 36774 | Date Analyzed: | 2007-04-25 | Analyzed By: | JS |
| Prep Batch: | 31899 | Sample Preparation: | 2007-04-25 | Prepared By: | JS |

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| Chloride | | 223 | mg/Kg | 5 | 5.00 |

Method Blank (1) QC Batch: 36774

QC Batch: 36774
Prep Batch: 31899

Date Analyzed: 2007-04-25
QC Preparation: 2007-04-25

Analyzed By: JS
Prepared By: JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 36774
Prep Batch: 31899

Date Analyzed: 2007-04-25
QC Preparation: 2007-04-25

Analyzed By: JS
Prepared By: JS

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|---------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | 98.7 | 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 | 99.1 | 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: 122591

QC Batch: 36774
Prep Batch: 31899

Date Analyzed: 2007-04-25
QC Preparation: 2007-04-25

Analyzed By: JS
Prepared By: JS

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|----------|------------------|-------|------|-----------------|------------------|------|---------------|
| Chloride | ¹ 280 | mg/Kg | 5 | 500 | 223.436 | 11 | 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 | ² 258 | mg/Kg | 5 | 500 | 223.436 | 7 | 84.6 - 117 | 8 | 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.

Standard (ICV-1)

QC Batch: 36774

Date Analyzed: 2007-04-25

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 | 2007-04-25 |

Standard (CCV-1)

QC Batch: 36774

Date Analyzed: 2007-04-25

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 | 2007-04-25 |

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: <i>Nadel & Gussman Permuon, LLC</i> | | Phone #: <i>432-682-4429</i> | |
| Address (Street, City, Zip): <i>601 N. Maricopa, Suite 508, Midland, TX 79701</i> | | Fax #: | |
| Contact Person: <i>Kem McCready</i> | | E-mail: <i>kemma@permuon.com</i> | |
| Invoice to: (If different from above) | | | |
| Project #: <i>Nanaital Fee No. 1</i> | | Project Name: <i>CGW</i> | |
| 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 BTEX 8021B / 602 TPH 418.1 / TX1005 TPH 8015 GRO / DR PAH 8270C / 625 Total Metals Ag As Ba C TCLP Metals Ag As TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B / GC/MS Semi Vol. 8260B / 608 PCB's 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Moisture Content | Turn Around Time if | Hold | |
|-------------------------|---|--------------|-----------------|--------|------|-----|--------|---------------------|------------------|--------------------------------|------|-----|----------|------|--|---------------------|------|------|
| | | | | WATER | SOIL | AIR | SLUDGE | HCl | HNO ₃ | H ₂ SO ₄ | NaOH | ICE | NONE | DATE | | | | TIME |
| | Composited samples for Band 9 solidification pits due to location and simultaneous filling coordination | | | | | | | | | | | | | | | | | |
| 122587 | N wall & floors | | | | | | | | | | | | | | | | | |
| 88 | S wall & floors | | | | | | | | | | | | | | | | | |
| 89 | E wall & floors | | | | | | | | | | | | | | | | | |
| 90 | W wall & floors | | | | | | | | | | | | | | | | | |
| 91 | Backroom | | | | | | | | | | | | | | | | | |
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|---|-------------------------|----------------------|----------------------------|-------|-------|
| Relinquished by: <i>Cheryl Under</i> | Date: <i>4/24/07</i> | Time: <i>1300</i> | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received at Laboratory by: | Date: | Time: |

LAB USE ONLY

Intact ☒ N
Headspace ☒ Y / N
Temp *22°C*
Log-in/Review *12*

REMARKS:

24 Hr.

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

*Called Verba
4-25-07
5:10 pm*

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

ORIGINAL COPY

4-2507

Carrier # *6171169034787*