District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis I Santa Fe, NM 87505 For drilling and production facilities, suffinit to appropriate NMOCD District Office.

For downstream facilities, subject to Sauto Se office

Pit or Below-Grade Tank Registration Sections

Pit or Below-Grade Tank Registration Section Secti

|   | ank covered by a "general plan"? Yes \(\sime\) No \(\sime\) or below-grade tank \(\sime\) Closure of a pit or below-grade | le tank X 3 0CD  |
|---|---|--|
| -   | hone: 432-682-4429 e-mail address: kem  | m@naguss.com   |
| Address: 601 N. Marienfeld, Suite 508, Midland, Texas 79701  Facility or well name: White City 8 Federal No. 1  API: 30015347   | 85 U/LH Sec 8 T25S R27  | E 1440'ENI 1210'EEI  |
| racinty of well liame. White City & rederating. 1 Art. 30013347   | 6)  | E 1400 FNL 1310 FEL  |
| County: Eddy  |   |  |
| Surface Owner: Federal X State Private Indian   |   |  |
| <u>Pit</u>  | Below-grade tank N/A  |  |
| Type: Drilling X Production Disposal  | Volume: _N/A bbl Type of fluid: _N/A  |  |
| Workover    Emergency   | Construction material:N/A   |  |
| Lined X Unlined   | Double-walled, with leak detection?   | lain why not.  |
| Liner type: Synthetic X Thickness: 12ml HDPE liner Clay   |   |  |
| Pit Volume: 2500 bbl. Approximately   |   |  |
|   | Less than 50 feet   | (20 points)  |
| Depth to ground water (vertical distance from bottom of pit to seasonal   | 50 feet or more, but less than 100 feet   | (10 points) 10pts.   |
| high water elevation of groundwater.)   | 100 feet or more  | (0 points)   |
| Wellhead protection area: (Less than 200 feet from a private domestic   | Yes   | (20 points)  |
| water source, or less than 1000 feet from all other water sources.)   | No  | (0 points) Opts.   |
|   | Less than 200 feet  | (20 points)  |
| Distance to surface water: (horizontal distance to all wetlands, playas,  | 200 feet or more, but less than 1000 feet   | (10 points) Opts.  |
| irrigation canals, ditches, and perennial and ephemeral watercourses.)  | 1000 feet or more   | (0 points)   |
|   | Ranking Score (Total Points)  | 10pts.   |
|   | ranking Score (Total Folias)  |  |
| If this is a pit closure: (1) Attach a diagram of the facility showing the pit's remediation activity. (2) Indicate disposal location: onsite insitu pit remediation start date and end date. (4) Groundwater encountered: No X  (5) Attach soil sample results and a diagram of sample locations and excavat | offsite, name of facility: (3) Attach a general descript Yes  If yes, show depth below ground surface _ ft. a             | ion of remedial action taken including   |
| Additional Comments: THIS C-144 PRESENTS GROUNDWATER DI   |   | NTIAL INSITU DISPOSAL 70' BODE   |
| HOLE PRODUCED NO GROUNDWATER FOR 72 HOURS (see Sta  |   |  |
| HOLE I RODUCED NO GROUND WATER FOR 12 HOURS (See See  | ne Engineer 5 wen netura and Crosure Report and   | R MCU J.   |
|   | ***************************************   |  |
|   |   |  |
|   |   |  |
|   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |  |
| I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline  |   |  |
| Date: 26 December 2006  |   |  |
| Printed Name/Title Kem McCready, Operations Engineer  | Signature Kem mc boaly  |  |
| Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.  | ot relieve the operator of liability should the contents of   | of the pit or tank contaminate ground water or<br>y other federal, state, or local laws and/or |
| Approval:   | //  | //   |
| Printed Name/Title  | Signature W/4 Draggerer   | Date: 3/5/07   |
|   |   |  |

Mr. Kem McCready
Operations Engineer
NADEL AND GUSSMAN PERMIAN, LLC
601 N. Marienfeld
Suite 508
Midland, TX 79701

26 December 2006

Mr. Mike Bratcher
Oil Conservation Division
1301 West Grand Avenue
Artesia, NM 88210

Re: White City 8 Federal Com. No. 1 Pit Closure Documents

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, please be advised the following documents are herewith enclosed: (1) Amended Form C-144, (2) digital photos of existing pit (3) sample location diagram (forwarded in final report) and (4) additional information constituting the proposed "Closure Plan" for closure of Unit Petroleum Company's (Operator) White City 8 Federal Com. No. 1 drilling pit by Nadel & Gussman Permian, LLC, hereinafter "NGP", (API No. 30-015-34785) located in U/L H S8 T25S, R27E, 1,460 FNL and 1,310 FEL of Eddy County, New Mexico.

#### INTRODUCTION

Remediation of the Unit Petroleum Company (UPC), White City 8 Federal Com. No. 1, hereinafter "White City 8" drilling pit is targeted to begin 8 January 2007 with completion expected by 8 February 2007, permitting weather and the occurrence of unexpected conditions not within the Operator's control do not create delays or exacerbate the proposed schedule in any way. UPC intends to maintain its commitment to environmental health and safety and fully comply with the Regulatory Performs of the State of New Mexico, OCD regarding this disposal action culminating in permanent closure of the White City 8 drilling pit.

Potential, temporary contamination from the White City 8 drilling pit site, should any exist, resulted solely from oil and gas production activities. Potential contaminates of concern are typical mid to high-level concentrations of brines, typical polymers (such as xanthium gum and starch) and in general, drilling mud and fluids remaining upon completion of said drilling operations.

Area land use is primarily ranching with domestic pasturage and oil and gas production activities. The UPC White City 8 drilling pit is located in an area wherein groundwater depth to surface data is shown on the State of New Mexico, State Engineer's web site as ranging between 20 and 40 feet. Further, in conjunction with their normal online databank, the State of New Mexico, OCD is cross-referencing with a groundwater map titled "Eddy County Depth to Groundwater", produced by Wayne Johnson at Chevron/Texaco, dated 9 February 2005. This map does not show elevation definition (flat representation) but does indicate groundwater depth in this area to range between the mid 20 feet to the low 40 feet elevations, which directs the Operator's disposal activity to follow disposal practices for a water sensitive designation to ensure compliant environmental performance and reduction of liability.





30-015-34785

Consequently, as an option to haul off, UPC has engaged in a coring program to investigate the actual depth to groundwater in the specific area to be impacted by an *insitu* pit for purposes of the disposal of drilling fines. This drilling program substantiates groundwater located in this specific area is not present at a depth of 70 feet following a 72 hour recharge period which showed no water after three days. This area is extremely rocky and drilling activity found completely dry soil and rock through out the seventy feet of core.

Consequently, *insitu* disposal shall be engaged in accordance with the conditions of the approved Form C-144. It is the belief of UPC that compliant environmental performance and reduction of liability in this area pursuant to New Mexico; OCD regulations can be achieved with *insitu* disposal predicated on the evidentiary data heretofore presented. Further, should future Regulatory Performa mandate additional action or should the Operator choose to take additional action, the *insitu* option, in this case, (1) limits the environmental impact in general, (2) allows the Operator/government immediate access to said liability, (3) contains said material within the Operator's lease boundary and (4) in the event evidence of water is discovered during the digging of the *insitu* pit, all actions would cease and New Mexico, OCD would immediately be notified that a solidification or a haul off was necessary, unless the Operator could demonstrate that other environmental conditions justified a continuation of the insitu plan.

This compliance action shall strictly apply the State of New Mexico, OCD standards, i.e. clean-up level for the White City 8 drilling pit shall meet the less than 100 ppm of TPH, ND for BTEX and the less than 250 ppm of chlorides unless approved otherwise and substantiated by background information documented to be higher than the above cited indices.

#### **CLOSURE PLAN**

Prior to commencement of closure activities, the UPC contractor will contact One-Call for line spot clearance confirming the State of New Mexico, OCD is in agreement with the proposed "Closure Plan" for removal of approximately 2,500 bbl. of liquid followed by the removal of all fines (drill cuttings) assuming (1) these fines have sufficiently dried allowing for maneuverability of heavy equipment in the pit area or (2) mixing shall occur in order to attain sufficient dryness of said fines prior to deposit into the *insitu* 20 ml HDPE liner, enabling *insitu* burial application to take place and final pit closure.

Environmental health and safety regulations mandate control of pit volumes at all times. Thus, the liquid material was pumped off as needed and properly disposed of during active drilling operations in September 2006. Water accumulated since this time is either due to liquid material not completely hauled from actual drilling operations or precipitation. This water has subsequently been hauled from the location and properly disposed of in accordance with OCD Regulatory Performa.

- Contractor shall mobilize to the White City 8 drilling pit site located approximately 20 miles southwest of Loving, New Mexico (see Form C-144) accessing via County Road 774. Personnel and heavy equipment necessary to provide for the initiation and completion of remediation activities presented above shall be engaged as is appropriate to the mandated exercise.
- No remediation activity shall occur off the existing pad or already disturbed areas as authorized by the APD and approved Best Management Practices (BMP's). UPC shall consider weather conditions and necessary equipment positioning to provide a clear area for adequate staging for site control and safety compliance, ensuring operations shall be compliant with New Mexico, OCD Regulatory Performa.

- The White City 8 drifting pit is currently double lined by a12ml HDPE liner, which shall be removed by heavy equipment and disposed of with the drilling fines inistu pursuant to New Mexico, OCD requirements. Insitu actions provide for the encasement of all drilling pit contents in a 20 ml HDPE liner formed into a rectangular box-like shape and placed vertically to a depth sufficient to provide three foot of ground cover, which shall be eventually contoured to match the surrounding terrain. Prior to the installation of the 20ml HDPE liner, a felt industrial grade liner shall be installed to prevent against puncturing by the rocky environment.
- Once the burial trench/pit has been dug to sufficient dimensions to ensure proper placement of the pit contents, the track hoe shall begin to deposit pit materials within the secured "container" until all pit material has been placed within it. This 20ml HDPE liner "container" shall not be permanently sealed until after the drilling pit bottom has been sampled and approved for closure by the State of New Mexico, OCD. In the event more material must be harvested to achieve compliance, and said harvest shall increase the volume of the insitu material to such a degree that it will threaten the integrity of the "container" or potentially cause leakage to occur by reason of increased volume, an additional insitu 20ml HDPE liner "container" shall be placed either adjacent (when space and terrain permits) to or close to the existing "container". Such action will provide for reasonable assurance that no leakage will occur and maintain all contaminates within a specific geographic location within the lease boundary.
- Prior to initiation of backfilling, the Operator shall take appropriate samples of the pit area to ensure compliance with OCD Standards for remediation of possible soil chloride levels greater than 250 ppm. However if levels at the bottom of the drilling pit test out or acceptable range, a background set of samples shall be obtained for testing from the immediate vicinity and compared to those of the pit bottom. Simultaneously, more soil shall be removed from the "hot spots". Once completed, new data acquisition shall occur and sample results determine whether or not compliance has been reached in order to begin backfilling. No backfilling shall begin without authorization by the Eddy County, State of New Mexico, OCD.
- Backfilling of the White City 8 drilling pit shall be commensurate with existing topography and terrain relief features (contouring) so as to return it to its "near-as" previous condition, including a contour for moisture accumulation which prevents abnormal or unsustainable water impoundment resulting in erosive actions. Pursuant to the APD, the White City 8 site shall be seeded in compliance with BLM seed mixtures.
- The "Closure Plan" shall include a final report providing lab analysis of the backfill material, digital project photos and evidentiary narrative to support the completed disposition of the reclaimed White City 8 Federal Com. No. 1 drilling pit site.

Should you have questions, please call 432-682-4429 (office) or 432-425-6347 (cell).

Sincerely.

Kem McCready
Operations Engineer

Kom and Greaty

cc: Pit photos, State Engineer's Well Record, Amended C-144

Mr. Kern McCready
Operations Engineer
NADEL AND GUSSMAN PERMIAN, LLC
601 N. Marienfeld, Suite 508
Midland, TX 79701

26 December 2006

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Avenue
Artesia, NM 88210

Re: White City 8 Federal Com. No. 1 State Engineer Groundwater Location Data

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, enclosed herewith is amended Form C-144 (original submitted by Unit Petroleum Company), digital photos of bore hole sampling for depth to high season groundwater level delineation for Nadel and Gussman Permian, LLC, hereinafter "NGP", acting on behalf of the Unit Petroleum Company for closure of the White City 8 Federal Com. No. 1 drilling pit (API No. 3001534785) located in U/L H S8 T25S, R27E, 1,460 FNL and 1,310 FEL of Eddy County, New Mexico

All drilling fine disposal information contained in the submittal of the White City 8 Federal Com. No. 1 Closure Plan is appended by the New Mexico Office of the State Engineer Well Record data pursuant to the boring of the White City 8 location due to the original filing of Form C-144 which states the water table to be at approximately 20 feet in this area. As detailed in the Closure Plan, groundwater was not present even at 70 feet given a three-day recharge observation time period. Consequently, UPC herewith amends the original C-144 by this submittal and most specifically addresses the disposal disposition, changing it from a haul off to an *insitu* burial on the White City 8 location.

On Monday, 9 October 2006, Butch's Rat Hole Service drilled a shallow 70' borehole, 18.0" in diameter adjacent to the existing drilling pit located in the area planned for an *insitu* pit, which produced no evidence of water or even any moisture at the bottom of the hole. Soil conditions were found dry to the point of being dusty to a depth of 70 feet. Consequently, the hole was left open for 72 hours and checked for moisture daily. After the 72 hour period ended, the borehole or test well was plugged and abandoned.

NGP intends to begin pit remediation on the White City 8 Federal Com. No. 1 on approximately 8 January with completion targeted for 8 February 2007 providing scheduling is not impacted by weather or environmental conditions, such as the rocky environment within which this pit is constructed.

Please inform us of your decision to approve the above said action as soon as possible. Your consideration of our attempt to verify the depth to groundwater in the area enabling *insitu* disposal is appreciated.

Should you have questions, please call 432-682-4429 (office) or 432-425-6347 (cell).

Sincerely,

Hem McCready
Kem McCready
Operations Engineer

cc: Pit photos, Amended C-144, Closure Plan, State Engineer's Well Record

| File | Number: |  |
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|      |         |  |

#### NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

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| Address: 2408 Freen                                      |                  | •                                       |                     |
| city: Actosia WM   | 88210            | state: 1                                | JM zip: 88210       |
| 2. LOCATION OF WELL (A, B, C, or D                       | required.E or    | f if known)                             |                     |
| A1/41/41/<br>inEddy                                      | 4 Section:       | Township:                               | Range: N.M.P.M.     |
| B. X =fe   | et, Y            | feet,                                   |                     |
| U.S.G.S. Quad Hap  |                  |   |                     |
| C. Latitude:d  | В                | Longitude:                              | l8                  |
| D. East (m), North                                       |                  | (m), UTM Zone 13, N                     | An(27 or 83)        |
| E. Tract No, Map No.                                     | of the           |   | Hydrographic Survey |
| F. Lot No. , Block No.                                   | of Unit          | t/Tract                                 |                     |
|  |                  |   |                     |
| G. Other: White City                                     | 8 Fed Co.        | m #1                                    |                     |
| H. Give State Engineer File N                            | umber if exist:  | ing well:                               |                     |
| T. On land owned by (required                            | ) 1              |   |                     |
|  | -                |   |                     |
| 3. DRILLING CONTRACTOR License Number:                   |                  |   | _                   |
| Name: Butchs Lat   | bole + Bachor    | Service Work Pho                        | ne: 800-400 6294    |
| Agent:   |                  | Home Pho                                | me:                 |
|  |                  |   |                     |
| city: Lavelland  |                  | State: 7                                | zip: 79336          |
| 4 POTITIVE PROCES  |                  |   |                     |
| Drilling began: Det. 9/06;<br>Size of hole: 19 in.; Tota | Completed: /     | 9 06 ; Type to                          | ools: Auger         |
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| Depth to water upon completion                           | of well:         |   |                     |
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page 2 of 4

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## NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

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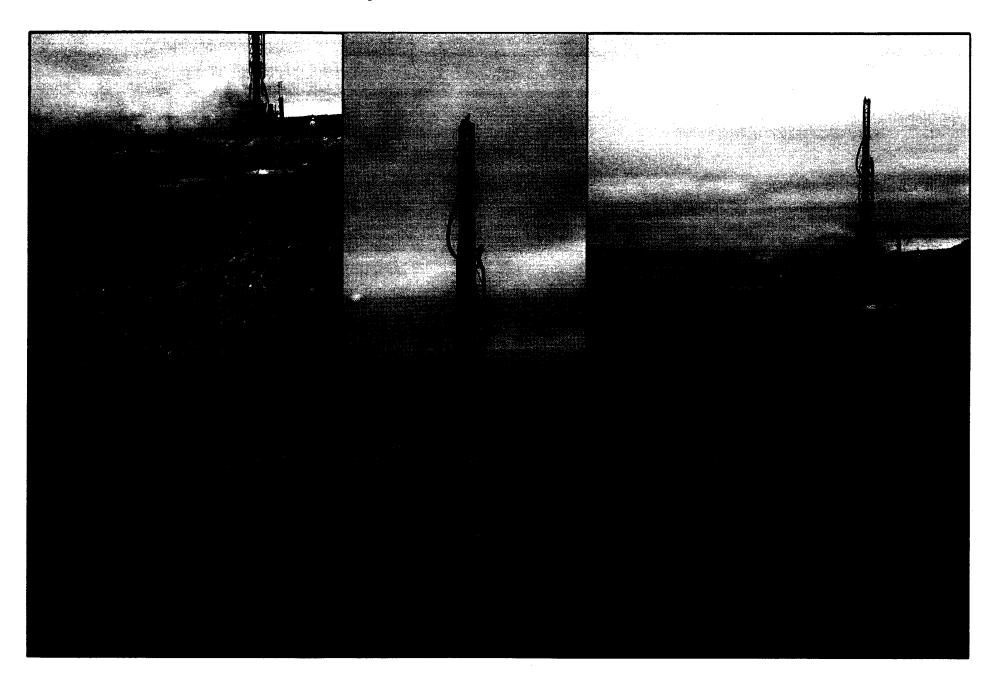
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Form: wx-20

page 4 of 4

# White City 8 Federal Com. No. 1 - Depth to Groundwater Field Verification -



NADEL AND GUSSMAN PERMIAN, L.L.C.
White City Federal Com. No. 1



Work Order: 7022714

## **Summary Report**

Lee Ledbettter Nadel & Gussman Permian LLC Cheryl Winkler 2408 Freeman Artesia, NM, 88210

Report Date: February 28, 2007

Page Number: 1 of 1

Work Order: 7022714

Project Number: White City 8 Fed Com No. 1

|        |                              |        | Date                   | $\operatorname{Time}$ | $\operatorname{Date}$ |
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| Sample | Description                  | Matrix | $\operatorname{Taken}$ | Taken                 | Received              |
| 117542 | Background Comps N.S.        | soil   | 2007-02-26             | 13:40                 | 2007-02-27            |
| 117543 | Background Comps E.W.        | soil   | 2007-02-26             | 13:50                 | 2007-02-27            |
| 117544 | Resample Comps N.S Area Comp | soil   | 2007-02-26             | 13:00                 | 2007-02-27            |
| 117545 | Resample Comps E-W Area Comp | soil   | 2007-02-26             | 13:25                 | 2007-02-27            |

30-015-34785

#### Sample: 117542 - Background Comps N.S.

| Param    | $\operatorname{Flag}$ | $\operatorname{Result}$ | ${f Units}$ | RL   |
|----------|-----------------------|-------------------------|-------------|------|
| Chloride |                       | <10.0                   | mg/Kg       | 5.00 |

#### Sample: 117543 - Background Comps E.W.

| Param    | Flag | Result | Units | RL   |
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| Chloride |      | 50.4   | mg/Kg | 5.00 |

#### Sample: 117544 - Resample Comps N.S Area Comp

| Param    | $\operatorname{Flag}$ | Result | Units | RL   |
|----------|-----------------------|--------|-------|------|
| Chloride |                       | 1930   | mg/Kg | 5.00 |

#### Sample: 117545 - Resample Comps E-W Area Comp

| Param    | Flag | $\mathbf{Result}$ | Units | RL   |
|----------|------|-------------------|-------|------|
| Chloride |      | 896               | mg/Kg | 5.00 |



6701 Abergeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1

Lubbock, Texas 79424 El Paso, Texas 79922 Midfand, Texas 79703 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132

800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443

FAX 806 • 794 • 1298 TAX 915 • 585 • 4944 FAX 432 • 589 • 6313

432 • 589 • 6301

817 • 201 • 5260

E-Mail: lab@traceanalysis.com

## Analytical and Quality Control Report

Lee Ledbettter Nadel & Gussman Permian LLC Cheryl Winkler 2408 Freeman Artesia, NM, 88210

Report Date: February 28, 2007

Work Order: 7022714

Project Number: White City 8 Fed Com No. 1

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

|                     |                              |        | Date       | ${f Time}$ | $\operatorname{Date}$ |
|---------------------|------------------------------|--------|------------|------------|-----------------------|
| Sample              | Description                  | Matrix | Taken      | Taken      | Received              |
| $\overline{117542}$ | Background Comps N.S.        | soil   | 2007-02-26 | 13:40      | 2007-02-27            |
| 117543              | Background Comps E.W.        | soil   | 2007-02-26 | 13:50      | 2007-02-27            |
| 117544              | Resample Comps N.S Area Comp | soil   | 2007-02-26 | 13:00      | 2007-02-27            |
| 117545              | Resample Comps E-W Area Comp | soil   | 2007-02-26 | 13:25      | 2007-02-27            |

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 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.

Work Order: 7022714

**Analytical Report** 

Sample: 117542 - Background Comps N.S.

Analysis: Chloride (Titration)

QC Batch: 35086 Prep Batch: 30448 Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-02-27 2007-02-27

Prep Method: N/A Analyzed By: JS Prepared By: SM

Page Number: 2 of 5

RL

Parameter Flag Result Units Dilution RLChloride <10.0 mg/Kg 5.00

Sample: 117543 - Background Comps E.W.

Analysis: QC Batch:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B

Prep Method: N/A

Prep Batch: 30448

35086

Sample Preparation:

2007-02-27 2007-02-27 Analyzed By: JSPrepared By: SM

RL

Flag Parameter Result Units Dilution RLChloride 50.4 5.00 mg/Kg

Sample: 117544 - Resample Comps N.S Area Comp

Analysis:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-02-27

Prep Method: N/A Analyzed By: JS

QC Batch: 35086 Prep Batch: 30448

Sample Preparation:

2007-02-27

Prepared By: SM

RL

Parameter Dilution RLFlag Result Units 1930 Chloride 200 5.00 mg/Kg

Sample: 117545 - Resample Comps E-W Area Comp

Analysis: QC Batch:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-02-27

Prep Method: N/A Analyzed By: JS

Prep Batch:

Chloride

35087 30449

Sample Preparation:

2007-02-27

Units

mg/Kg

Prepared By: SM

Parameter

RLFlag Result 896

RL

5.00

Dilution

100

Method Blank (1) QC Batch: 35086

QC Batch: 35086 Prep Batch: 30448 Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By:

Work Order: 7022714

Method Blank (1) QC Batch: 35087

QC Batch: 35087 Prep Batch: 30449

Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By: JS

Page Number: 3 of 5

Laboratory Control Spike (LCS-1)

QC Batch: 35086 Prep Batch: 30448 Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By: JS

LCS Spike Matrix Rec. Param Result Units Dil. Amount Result Rec. Limit Chloride 105 mg/Kg 1 100 < 3.25105 90 - 110

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

RPD LCSD Spike Matrix Rec. RPD Param Result Dil. Result Limit Limit Units Amount Rec. 105 100 < 3.25 90 - 110 20 Chloride 105 0 mg/Kg 1

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

Laboratory Control Spike (LCS-1)

QC Batch: 35087 Prep Batch: 30449 Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By: JS

LCS Spike Matrix Rec. Param Result Units Dil. Amount Result Rec. Limit Chloride 99.8 mg/Kg 100 < 3.25 100 90 - 110 1

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

RPD LCSD Spike Rec. Matrix Param Result Units Dil. Amount Result Limit RPD Limit Rec. Chloride 95.6 mg/Kg 100 < 3.25 96 90 - 110 20 4

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

Matrix Spike (MS-1) Spiked Sample: 117544

QC Batch: 35086 Prep Batch: 30448 Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By: JS

Work Order: 7022714

Spike MS Matrix Rec. Param Result Units Dil. Result Rec. Limit Amount Chloride 1970 200 20000 <650 10 84.6 - 117 mg/Kg

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

|          |   | MSD    |       |      | $\mathbf{Spike}$ | Matrix |      | $\mathrm{Rec.}$ |     | RPD           |
|----------|---|--------|-------|------|------------------|--------|------|-----------------|-----|---------------|
| Param    |   | Result | Units | Dil. | Amount           | Result | Rec. | Limit           | RPD | $_{ m Limit}$ |
| Chloride | 2 | 1770   | mg/Kg | 200  | 20000            | <650   | 9    | 84.6 - 117      | 11  | 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: 117547

QC Batch: 35087 Prep Batch: 30449 Date Analyzed: 2007-02-27 QC Preparation: 2007-02-27 Analyzed By: JS Prepared By: JS

Page Number: 4 of 5

MS Spike Matrix Rec. Param Result Units Dil. Amount Result Rec. Limit Chloride 334 400 103.58684.6 - 117 mg/Kg

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

|          |   | MSD    |                  |      | $\mathbf{Spike}$ | Matrix  |      | Rec.       |     | RPD   |
|----------|---|--------|------------------|------|------------------|---------|------|------------|-----|-------|
| Param    |   | Result | $\mathbf{Units}$ | Dil. | Amount           | Result  | Rec. | Limit      | RPD | Limit |
| Chloride | 4 | 310    | mg/Kg            | 4    | 400              | 103.586 | 52   | 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: 35086

Date Analyzed: 2007-02-27

Analyzed By: JS

|          |      |                  | ICVs  | ICVs  | ICVs     | Percent  |            |
|----------|------|------------------|-------|-------|----------|----------|------------|
|          |      |                  | True  | Found | Percent  | Recovery | Date       |
| Param    | Flag | $\mathbf{Units}$ | Conc. | Conc. | Recovery | Limits   | Analyzed   |
| Chloride |      | mg/Kg            | 100   | 98.3  | 98       | 85 - 115 | 2007-02-27 |

Standard (CCV-1)

QC Batch: 35086

Date Analyzed: 2007-02-27

Analyzed By: JS

|          |                 |       | $\mathrm{CCVs}$       | $\mathrm{CCVs}$ | $\mathrm{CCVs}$ | Percent  |            |
|----------|-----------------|-------|-----------------------|-----------------|-----------------|----------|------------|
|          |                 |       | $\operatorname{True}$ | Found           | Percent         | Recovery | Date       |
| Param    | $\mathbf{Flag}$ | Units | Conc.                 | Conc.           | Recovery        | Limits   | Analyzed   |
| Chloride |                 | mg/Kg | 100                   | 102             | 102             | 85 - 115 | 2007-02-27 |

Standard (ICV-1)

QC Batch: 35087

Date Analyzed: 2007-02-27

Analyzed By: JS

<sup>&</sup>lt;sup>1</sup>Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

<sup>&</sup>lt;sup>2</sup>Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

<sup>3</sup>Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

<sup>&</sup>lt;sup>4</sup>Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Work Order: 7022714

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| Param     | Flag          | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc.     | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed    |
|-----------|---------------|-------|-----------------------|----------------------------|-----------------------------|-------------------------------|---------------------|
| Chloride  |               | mg/Kg | 100                   | 100                        | 100                         | 85 - 115                      | 2007-02-27          |
|           |               |       |                       |                            |                             |                               |                     |
| QC Batch: | 35087         |       | Date Ana              | lyzed: 2007-02             | 2-27                        | Ana                           | lyzed By: JS        |
| QC Batch: | 35087         |       | Date Ana<br>CCVs      | m lyzed: 2007-02 $ m CCVs$ | $^{ m CCVs}$                | Ana<br>Percent                | llyzed By: JS       |
| QC Batch: | 35087         |       |                       | •                          |                             |                               | llyzed By: JS  Date |
| QC Batch: | 35087<br>Flag | Units | CCVs                  | CCVs                       | CCVs                        | Percent                       |                     |

| LAB Order ID# | 70 | 22 | 71 | inf |
|---------------|----|----|----|-----|
|               |    |    |    |     |

Page / of /

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email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 Tet (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()   | ······     | ·               |       |          |         | Pho | ne #     | <del></del> |                                |          |                |           |   |             |                                       | Т           |             |                  |                            |                          |           |                |                  |     | <u> </u>   | _     |                  |                 |          |                |          |         |         |                      |           |
|--|------------|-----------------|-------|----------|---------|-----|----------|-------------|--------------------------------|----------|----------------|-----------|---|-------------|---------------------------------------|-------------|-------------|------------------|----------------------------|--------------------------|-----------|----------------|------------------|-----|------------|-------|------------------|-----------------|----------|----------------|----------|---------|---------|----------------------|-----------|
| Company Name?)  Null! (ALIS) WAIT (PRIMAN, L.  Address: (Street, City, Zip)  240 & FREEMAN, Artesia, No  Contact Person:  Le Labetter  Invoice to:  It different from above) | LC_        |                 |       |          |         |     | 50<br>50 | 8           | 17                             | 46       | ; -/           | 43        | 28                                      |             |                                       |             |             |                  |                            | 10                       |           |                |                  |     |            |       |                  | QU              |          |                | . t - K: |         |         |                      |           |
| Address: (Street, City, Zip)   | 111        | 00              | 1610  |          |         | Fax | #:       |             |                                |          |                |           |   |             |                                       | ] .         |             |                  |                            | (0                       | HEC.      | 316            | O                | ۳۵  | Pe         | ₽CT   | ry               | IVI             | etr      | 10             | d N      | (O.)    | 1       |                      |           |
| Contact Person: /  | W          | 900             | 20    |          |         | Ë-n | iail:    |             |                                |          |                |           |   |             | · · · · · · · · · · · · · · · · · · · | 1           |             |                  |                            | 00.7                     |           |                |                  |     |            |       |                  |                 |          |                |          |         |         | Ι,                   | 3         |
| Lee Leabetter  |            |                 |       |          | 1/6     | Ab. | e ff     | سرو         | a)                             | All      | UU             | 11        | . (                                     | Con         | 1                                     |             | - 1;        | ( <u>2</u> )     |                            | )B/2                     | £         |                |                  |     |            |       | İ                |                 |          |                |          |         | 1       | 1 6                  | staridard |
| Invoice to:  |            |                 |       |          |         |     |          |             |                                | 6        | 1              |           |   |             |                                       | 4           |             | ဋ္ဌု             |                            | 6010                     | Set       |                |                  |     |            |       |                  |                 |          | -              |          |         |         | 1                    | λία       |
| (If different from above)  |            |                 |       |          |         | Dro | ject 1   | Jam         | <u> </u>                       |          |                |           |   |             |                                       | / 62        | 524         | Δĺ,              |                            | £                        | 8         |                |                  |     |            | 5     |                  | Ì               |          |                |          |         |         |                      |           |
| Muti Citas ted Um. #   |            |                 |       |          |         | FIU | ject i   | 4           | in                             |          |                |           |   |             |                                       | 8260B / 624 | 8           | 지<br>된<br>된<br>된 |                            | b Se                     | 5         |                |                  |     |            | 625   |                  |                 |          |                |          |         |         | 1 2                  | =         |
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| <u> </u>   |            | т               | T .   |          |         |     | r        | <b>D</b> D  |                                |          | 4.711          |           |   |             |                                       | 602 /       | 2/3         | 05 / T           |                            | S                        | Ba        |                | 2                |     | 9/         | 8270C | ŀ                | 809             |          |                |          |         |         | 1                    | 5         |
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|  | CONTAINERS | Volume / Amount | H     | T        | T       | T   | $\Box$   |             | T                              |          | T              |           | 1                                       |             |                                       | 8021B       | 8021B /     | SE SE            | 1,0                        | Total Metals Ag As       | Metals Ag | TCLP Volatiles | Dectinides       |     | 82         | Ë     | PCB's 8082 / 608 |                 | 핍        | Content        |          |         |         |                      |           |
| LAB# FIELD CODE  | ΙĀ         | 6 /             | α     |          | ų,      | 1   |          | ŀ           |                                | ı        |                |           |   |             |                                       | 1 1         | 8           | 418.1<br>8015    | PAH 8270C /                | tals                     | Met       | 8              | 0 0              | 3   | 18         | Se    | 808              | Sec             |          |                |          |         |         |                      | 9         |
| (LAB USE)  | ģ          | Ē               | WATER | 닞        | AIR     |     |          | HNO         | H <sub>2</sub> SO <sub>4</sub> | NaOH     |                | NONE      |   | DATE        | TIME                                  | MTBE        | <b>当</b>    | H H              | H 8                        | Me                       | 9         | مام            | 1 0              |     | MS         | MS    | B's              | Stick           | اا       | Moisture       |          |         |         |                      | :         |
| ( ONLY _   | #          | 8               | Š     | SOIL     | AR E    | 5   | 웃        | 도           | T                              | Sa       | 9              | ۲ <br>اکا |   | Ö           | É                                     | Σ           | BTEX        | H H              | AZ                         | Tota                     | TCLP      |                | 기를               |     | ဗြ         | ဗ္ဗ   | PC               | Pesti           | BOD,     | Š              |          |         |         |                      | 5         |
| 47542 Tourseard Comps.   |            |                 |       |          |         | 1   |          |             |                                |          |                |           |   |             |                                       |             |             |                  |                            | 4                        | - , !     | 1              | 1/               |     | 177.       |       | 1 1              | ran             |          | 1              |          |         |         |                      |           |
| 435 43 Tockyround Comps.   | <b>-</b> , | ·               | -     | X        |         | +-  | $\Box$   | 1           |                                | $\dashv$ | ١,             | 7         | 0                                       | 61          | 10.1                                  |             | $\dashv$    |                  |                            |                          | 21        | 4              | 72               | 2,6 | 1/4        | LEG   | . A              | 12:41           | Tree     | 1              | 11       | +       | +       |                      | -         |
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| 43 E.W   | 1          | <u> </u>        |       | X        |         |     |          |             |                                |          |                |           |   | 4.          | 1350                                  |             |             |                  |                            | <br>                     | 224       | al             | 12               | 42  | dil        | 2     | , •              | 61              |          |                |          | $\perp$ |         |                      |           |
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| VX Knample Comps.  |            |                 |       |          |         |     |          |             |                                | 7        | 7              |           |   | ·           |                                       |             | 7           |                  |                            |                          | 1         |                | t                | 17  | 4-         | /     |                  | , ,             |          |                | ,        | 1       |         | $\neg$               |           |
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| 444 N-Sarea Comps.   | _/         |                 | -     | 2        | $\perp$ | +   | 1        |             |                                |          | _ /            | <         | -7                                      | 2/07        | 130                                   | 1 1         | $\perp$     | +                | 1                          | ///                      | iA        | 2              | 21               | 20  | 12 A       | 11    | A                |                 | lal      | 4:             | 172      | 12.     | 4       |                      | _         |
| 49 E-W 4 4   |            |                 |       | 1        |         |     |          |             | - {                            |          |                |           |   | /           | 133                                   | 5           |             |                  |                            | 4                        | M.        | 14             | 10               | K   | 1          | 01    | m                | ad.             |          | 1              | 0 12     | a       |         | İ                    |           |
|  | l '        |                 |       |          |         |     |          |             |                                | ļ        | ſ              |           |   |             |                                       |             |             |                  |                            |                          |           |                |                  |     |            |       |                  |                 | T        | T              |          |         |         |                      |           |
|  |            | <b> </b>        | T     |          | _       | _   |          |             | $\dashv$                       | $\dashv$ | _              | +         | _                                       |             |                                       | H           |             | -                |                            |                          |           | +              | +                |     | T          |       |                  | $\neg \uparrow$ | -        | +              | +        | _       | -       |                      |           |
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|  |            |                 |       |          |         |     |          | l           | ļ                              |          |                |           |   |             |                                       |             |             |                  |                            |                          |           |                |                  |     |            |       |                  |                 |          |                |          |         |         |                      | į         |
| Religioushed by: Date: Time:   | Rec        | eived           | by:   |          |         |     |          |             | Dat                            | e:       | •              | Tim       | ne:                                     |             |                                       | 100         |             | LAE              | 3 U                        | SI                       |           | Y:-            | R                | EM  | ARI        | s:    | 7                | 1/              | /1       |                |          |         |         |                      |           |
| (2) miller 2/24/07 1430  |            |                 |       |          |         |     |          |             |                                |          |                |           |   |             |                                       |             |             |                  | NL                         |                          |           |                |                  |     |            | 0     | ٧,               | 11              | 4        | ₹.             |          |         |         |                      |           |
| Relinquished by: Date: Time:   | Rec        | eived           | bv:   |          |         |     |          |             | Dat                            | e:       |                | Tim       | ne:                                     | <del></del> |                                       |             |             |                  | $\widehat{\mathbf{y}}_{j}$ |                          |           |                |                  |     |            |       |                  |                 |          |                |          |         |         |                      |           |
| ,,   |            | -,,,,,,         | ~,`   |          |         |     |          |             |                                | •        |                |           |   |             |                                       | 1000        | act         | 31 July 10       | Arrest.                    | Qiron                    |           |                |                  |     | D          | y W   | eigh             | t Bas           | sis R    | ?equii         | ed       |         |         |                      |           |
|  |            |                 |       |          |         |     |          |             |                                |          |                |           |   |             |                                       |             |             | pace             |                            |                          | / N       |                |                  |     | TI         | RP    | Rep              | ort F           | ₹equ     | iired          |          |         |         |                      |           |
| Relinquished by: Date: Time:   | Rec        | eived           | at La | bor      | atory   | by: |          |             | Dat                            | e:       |                | Tirr      |   |             |                                       | 1           | 11 (12)     |                  | and being                  |                          |           |                |                  |     | С          | песк  | If S             | pecia           | al Re    | eporti         | ng       |         |         |                      |           |
|  | N.         | QQ i            | 18    | $\neg ($ | 1       | າໃ  |          | 1           | (س                             | , ^<br>  | 57             | )-C       | 5)                                      | 11          | .47                                   | Lo          | g-in        | Rev              | ew_                        |                          |           |                |                  |     | Li         | mits  | Are              | Need            | bet      |                | -        |         |         |                      |           |
| Submittal of samples constitutes agreement to Te   |            |                 |       |          |         |     |          |             | e of                           | C. (     | تامنت<br>D. C. | <u></u>   | <u> </u>                                | <u> </u>    | <u> </u>                              |             |             | # (              | 1-                         | -(*                      |           | } ~ •          | 75               | ~./ |            | ~~.   |                  | > <_            | <u> </u> | $\overline{I}$ |          |         |         |                      |           |

Work Order: 7022322



## **Summary Report**

Cheryl Winkler Nadel & Gussman Permian LLC Cheryl Winkler 2408 Freeman Artesia, NM, 88210

Report Date: February 23, 2007

Page Number: 1 of 1

Work Order: 7022322

30-015-34785

Project Number: White City 8 Fed Com No. 1

|                     |                             |        | Date                   | $\operatorname{Time}$ | Date       |
|---------------------|-----------------------------|--------|------------------------|-----------------------|------------|
| Sample              | Description                 | Matrix | $\operatorname{Taken}$ | Taken                 | Received   |
| $\overline{117298}$ | W Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22             | 13:00                 | 2007-02-23 |
| 117299              | E Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22             | 13:30                 | 2007-02-23 |
| 117300              | N Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22             | 13:45                 | 2007-02-23 |
| 117301              | S Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22             | 14:10                 | 2007-02-23 |

#### Sample: 117298 - W Wall @ Floor 5 1/2 of Pit

| Param    | Flag | Result | ${ m Units}$  | RL   |
|----------|------|--------|---------------|------|
| Chloride |      | 1390   | $_{ m mg/Kg}$ | 5.00 |

#### Sample: 117299 - E Wall @ Floor 5 1/2 of Pit

| Param    | Flag | Result | Units | RL   |
|----------|------|--------|-------|------|
| Chloride |      | 1490   | mg/Kg | 5.00 |

#### Sample: 117300 - N Wall @ Floor 5 1/2 of Pit

| Param    | Flag | $\mathbf{Result}$ | ${ m Units}$ | RL   |
|----------|------|-------------------|--------------|------|
| Chloride |      | 1390              | ${ m mg/Kg}$ | 5.00 |

#### Sample: 117301 - S Wall @ Floor 5 1/2 of Pit

| Param    | Flag | Result | ${ m Units}$ | m RL |
|----------|------|--------|--------------|------|
| Chloride |      | 976    | ${ m mg/Kg}$ | 5.00 |



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E-Maii: lab@tracsanat/sis.com

## Analytical and Quality Control Report

Cheryl Winkler Nadel & Gussman Permian LLC Cheryl Winkler 2408 Freeman Artesia, NM, 88210

Report Date: February 23, 2007

Work Order: 7022322

Project Number: White City 8 Fed Com No. 1

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

|        |                             |        | Date       | Time  | Date       |
|--------|-----------------------------|--------|------------|-------|------------|
| Sample | Description                 | Matrix | Taken      | Taken | Received   |
| 117298 | W Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22 | 13:00 | 2007-02-23 |
| 117299 | E Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22 | 13:30 | 2007-02-23 |
| 117300 | N Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22 | 13:45 | 2007-02-23 |
| 117301 | S Wall @ Floor 5 1/2 of Pit | soil   | 2007-02-22 | 14:10 | 2007-02-23 |

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.

Work Order: 7022322

#### Analytical Report

| Sample: 117298 - | $\mathbf{W}$ | Wall | 0 | Floor | 5 | 1, | /2 | of | Ρi | t |
|------------------|--------------|------|---|-------|---|----|----|----|----|---|
|------------------|--------------|------|---|-------|---|----|----|----|----|---|

Analysis: QC Batch:

Chloride (Titration)

34945

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-02-23

Prep Method: N/A Analyzed By:

Prep Batch:

30322

Sample Preparation:

2007-02-23

Prepared By: SM

Page Number: 2 of 4

RL

Parameter Result Flag Chloride 1390

mg/Kg

Units

Dilution RL100 5.00

#### Sample: 117299 - E Wall @ Floor 5 1/2 of Pit

Analysis:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B

Prep Method: N/A

QC Batch: Prep Batch: 30322

34945

Sample Preparation:

2007-02-23 2007-02-23

Analyzed By: JSPrepared By: SM

RL

Parameter Chloride

Result 1490

Units

mg/Kg

Dilution

100

100

100

RL

5.00

Sample: 117300 - N Wall @ Floor 5 1/2 of Pit

Flag

Analysis:

Chloride (Titration)

Analytical Method:

SM 4500-Cl B

Prep Method: N/A

QC Batch:

34945 Prep Batch: 30322 Date Analyzed: Sample Preparation:

2007-02-23 2007-02-23 Analyzed By: JSPrepared By: SM

RL

Flag Parameter Result Units Chloride 1390 mg/Kg

Dilution

RL

5.00

5.00

Sample: 117301 - S Wall @ Floor 5 1/2 of Pit

Analysis:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-02-23

Prep Method: N/A Analyzed By: JS

QC Batch: Prep Batch:

34945 30322

Sample Preparation:

2007-02-23

Prepared By: SM

Parameter Flag Chloride

RLResult

Units

mg/Kg

Dilution RL

Method Blank (1)

QC Batch: 34945

QC Batch: 34945 Prep Batch: 30322 Date Analyzed:

976

2007-02-23

Analyzed By: Prepared By:

QC Preparation: 2007-02-23

Work Order: 7022322

#### Laboratory Control Spike (LCS-1)

QC Batch: 34945 Prep Batch: 30322 Date Analyzed: 2007-02-23 QC Preparation: 2007-02-23 Analyzed By: JS Prepared By: JS

Page Number: 3 of 4

LCS Spike Matrix Rec. Param Result Units Dil. Amount Result Rec. Limit Chloride 99.8 < 3.25 100 90 - 110 mg/Kg 1 100

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

|          | LCSD   |               |      | $_{ m Spike}$ | Matrix |      | Rec.          |     | RPD   |
|----------|--------|---------------|------|---------------|--------|------|---------------|-----|-------|
| Param    | Result | $_{ m Units}$ | Dil. | Amount        | Result | Rec. | $_{ m Limit}$ | RPD | Limit |
| Chloride | 100    | m mg/Kg       | 1    | 100           | < 3.25 | 100  | 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: 117301

QC Batch: 34945 Prep Batch: 30322 Date Analyzed: 2007-02-23 QC Preparation: 2007-02-23 Analyzed By: JS Prepared By: JS

MS Spike Matrix Rec. Param Result Units Dil. Result Rec. Limit Amount Chloride 1250 mg/Kg 100 976 84.6 - 117 10000

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

|          |   | MSD    |                        |      | $_{ m Spike}$ | Matrix |      | $\mathrm{Rec}.$  |     | RPD   |
|----------|---|--------|------------------------|------|---------------|--------|------|------------------|-----|-------|
| Param    |   | Result | $\operatorname{Units}$ | Dil. | Amount        | Result | Rec. | $\mathbf{Limit}$ | RPD | Limit |
| Chloride | 2 | 1290   | mg/Kg                  | 100  | 10000         | 976    | 3    | 84.6 - 117       | 3   | 20    |

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

#### Standard (ICV-1)

QC Batch: 34945

Date Analyzed: 2007-02-23

Analyzed By: JS

|          |      |       | ICVs       | ICVs  | ICVs     | Percent  |            |
|----------|------|-------|------------|-------|----------|----------|------------|
|          |      |       | ${f True}$ | Found | Percent  | Recovery | Date       |
| Param    | Flag | Units | Conc.      | Conc. | Recovery | Limits   | Analyzed   |
| Chloride |      | mg/Kg | 100        | 100   | 100      | 85 - 115 | 2007-02-23 |

#### Standard (CCV-1)

QC Batch: 34945

Date Analyzed: 2007-02-23

Analyzed By: JS

<sup>&</sup>lt;sup>1</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>2</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Work Order: 7022322

Page Number: 4 of 4

 $\mathrm{CCVs}$  $\mathbf{CCVs}$  $\mathrm{CCVs}$ Percent True Date Found Percent Recovery Flag Param Units Conc. Conc. Recovery Limits Analyzed Chloride mg/Kg 100 99.4 99 85 - 115 2007-02-23 LAB Order ID #

7622322

Page\_\_\_\_\_ of \_\_\_\_\_

| Trace. | Anal | vsis. | Inc.   |
|--------|------|-------|--------|
|        |      |       | AII V. |

email: lah@traceanalysis.com

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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

|  | ar lary c  |                 | 111          |               |   |          |                                |        |        |          | 370-1290 |                    |              |              |            |             |            |                     |                |            | 1 (00        | 6) 58   | 88-34        | 43           |                  |                 |      |           |  |             |
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| Company, Name: ) Vadel Chissman Termi  | aw         | 1, L            | LC           |               | Phone<br>Sc                             | #:<br>25 | 74                             | 10-    | 15     | 12       | 38       |                    |              | •            |            |             | · · ·      |                     |                | ANA        |              |   |              |              |                  |                 |      |           |  | *****       |
| Nadel (fissman Terme<br>Address: Street, City, Zig)<br>2408 Framan, Culexia, A | M          | 88              | 210          |               | Fax#:                                   |          |                                |        |        |          |          |                    | 1            | ı            | ı          | 1           | ~          | IIC<br>             | le i           | or:        | Sp:          | eci<br>I                                      | ity<br>I I   | Me           | ≱th<br>∣         | od              | No   | ).<br>    | 1                                      | f           |
| Contact Person:<br>All New Ville   |            |                 |              | llan          | Email                                   | ter      | D.                             | NAA    | 1111   | A.       | con      | ı                  |              | ú            | 5          |             | 6010B/200. | Đ.                  |                |            |              |   |              |              |                  |                 |      |           | 7                                      | وَّ         |
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| LAB# FIELD CODE  | CONTAINERS | / Amo           |              | ш             |   |          |                                |        |        |          |          |                    | 8021         | X 8021B      | 15 GRO     | / DOZ       | als Ag     | Wetals Ag           | Semi Volatiles | Pesticides | Vol. 8       | Semi  | 082 /        | ides 808     | Content          |                 |      |           | 1                                      | 3           |
| (LAB USE)<br>ONLY  | # CON      | Volume / Amount | WATER        | AIR<br>SLUDGE | Ę.                                      | HNO      | H <sub>2</sub> SO <sub>4</sub> | NaOH   | NONE   |          | DATE     | TIME               | MTBE         |              | TPH 80     | PAH 8270C / | ≨   c      | TCLP Votatiles      | TCLP S         | ا م        | GC/MS        | GC/MS Sem                                     | PCB's 8082 / | Pesticides   | Moisture         |                 |      |           | Turn Arr                               | Hold        |
| 117298 Wwale? flow Stroxpit  |            |                 | X            |               |   | -        |                                |        | X      |          | 12/07    |                    | <del> </del> |              | ×          | Te de       | 0          |                     |                | 911        | 41           | 1   | 20           | 1.           |                  | enc             | akas |           | $\frac{1}{\lambda}$                    |             |
| 117298 Wwale?, flow Stroppit   | 1          |                 | X            |               |   |          |                                |        | χ      |          |          | 1330               |              |              |            |             |            | 72                  |                | Ī          | 7            |   |              | Δ-Ę          |                  |                 |      |           |  |             |
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| Relinfluished by: Date: Time:  | Rec        | eived           | by:          |               |   |          | Date                           | 9;     | 11     | ime      | :        |                    |              | L            | AE<br>OI   | AL,         |            |                     |                | REN        | naki<br>C    | KS:<br>,24                                    | 7 9          | L.           | ٠.               | •               |      |           |  |             |
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| Submittal of samples constitutes agreement to Te                               | nto an     | d Con           | ditions list | ted on        | yeverb                                  | e fic    | e of (                         | C. O.  | C.     |          |          |                    | (2           | rrier t      | ŧ          | $\bigcap$   | 4          | 7                   | -              | ₹\.        | 4            | O   | 110          | Z) (         | 16               | 1               |      |           |  |             |



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E-Mail lab@traceanalysis.com

## **Analytical and Quality Control Report**

Cheryl Winkler Nadel & Gussman Permian LLC Cheryl Winkler 2408 Freeman Artesia, NM, 88210

Report Date: January 31, 2007

Work Order:

7013014

Project Number: White City 8 Fed Com No. 1

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

30-015-34785

|        |                     |        | Date       | Time  | Date       |
|--------|---------------------|--------|------------|-------|------------|
| Sample | Description         | Matrix | Taken      | Taken | Received   |
| 115063 | N Wall & Floor Comp | soil   | 2007-01-29 | 14:00 | 2007-01-30 |
| 115064 | S Wall & Floor Comp | soil   | 2007-01-29 | 14:20 | 2007-01-30 |
| 115065 | E Wall & Floor Comp | soil   | 2007-01-29 | 14:40 | 2007-01-30 |
| 115066 | W Wall & Floor Comp | soil   | 2007-01-29 | 15:00 | 2007-01-30 |
| 115067 | Bench Comp          | soil   | 2007-01-29 | 15:20 | 2007-01-30 |

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 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Michael april

Standard Flags

**B** - The sample contains less than ten times the concentration found in the method blank.

Report Date: January 31, 2007 White City 8 Fed Com No. 1

Work Order: 7013014

Page Number: 2 of 6

N/A

SM

SM

### **Analytical Report**

Sample: 115063 - N Wall & Floor Comp

Analysis: QC Batch: 34139

Chloride (Titration)

Prep Batch: 29626 Analytical Method:

SM 4500-Cl B 2007-01-30 Date Analyzed: Sample Preparation: 2007-01-30

Prep Method: Analyzed By: Prepared By:

RL

Parameter Flag Result Units Dilution RLChloride <100 mg/Kg 20 5.00

Sample: 115064 - S Wall & Floor Comp

Analysis: Chloride (Titration) QC Batch:

34140 Prep Batch: 29628 Analytical Method: SM 4500-Cl B Date Analyzed: 2007-01-30 Sample Preparation:

2007-01-30

Prep Method: N/A Analyzed By: **WB** Prepared By: SM

RL Parameter Flag

Result 1580

Units Dilution RL200 5.00 mg/Kg

Sample: 115065 - E Wall & Floor Comp

29628

Analysis: QC Batch:

Prep Batch:

Chloride

Chloride

Chloride (Titration) 34140

Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-01-30 2007-01-30

Prep Method: N/A Analyzed By: WB Prepared By: SM

Parameter Flag Result

RL

Units 154 mg/Kg Dilution

 $\overline{20}$ 

RL5.00

Sample: 115066 - W Wall & Floor Comp

Analysis: QC Batch:

Prep Batch:

Chloride (Titration) 34140

Analytical Method: Date Analyzed: Sample Preparation:

SM 4500-Cl B 2007-01-30 2007-01-30

Prep Method: N/A Analyzed By: WB Prepared By: SM

RL Parameter Flag Result Dilution Units RLChloride 1080 mg/Kg 200 5.00

Sample: 115067 - Bench Comp

34140

29628

29628

Analysis: QC Batch: Prep Batch:

Chloride (Titration)

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-01-30

Prep Method: N/A Analyzed By: WB Prepared By: SM

Sample Preparation: 2007-01-30 Report Date: January 31, 2007 White City 8 Fed Com No. 1

Work Order: 7013014

Page Number: 3 of 6

| Parameter  |  | Flag                              |   | RL<br>Result   | Unit  | e  | г                                   | Dilution   |          |                  | RL   |
|--|--|-----------------------------------|---|--|---|--|-------------------------------------|--|----------|------------------|--|
| Chloride   |  | Tiag                              |   | 1410   | mg/Kg   |  |                                     | 200  |          |                  | 5.00   |
|  |  |                                   |   | A State of the sta |   |  |                                     | to the second se | - 14, 4  |                  |  |
| Method Bla   | nk (1)   | QC Batch: 3413                    | 9   |  |   |  |                                     |  |          |                  |  |
| QC Batch:  | 34139  |                                   |   | Date Analyzed:   | 2007-01-30  |  |                                     |  | Analy    | zed By:          | SM   |
| Prep Batch:  | 29626  |                                   |   | QC Preparation:  | 2007-01-30  |  |                                     |  |          | red By:          | SM   |
|  |  |                                   |   |  | m.  |  |                                     |  |          |                  |  |
| Parameter  |  | Flag                              | T   |  | IDL<br>sult   |  | Unit                                | e  |          |                  | RL   |
| Chloride   | •  | 1 102                             | <u>5</u>  |  | 3.25  |  | mg/K                                |  |          |                  | 5  |
|  |  |                                   |   |  |   |  |                                     | ·B   |          |                  |  |
| Method Bla   | nk (1)   | QC Batch: 3414                    | .0  |  |   |  |                                     |  |          |                  |  |
| QC Batch:  | 34140  |                                   |   | Date Analyzed:   | 2007-01-30  |  |                                     |  | Analy    | zed By:          | WB   |
| Prep Batch:  | 29628  |                                   |   | QC Preparation:  | 2007-01-30  |  |                                     |  | Prepar   | ed By:           | SM   |
|  |  |                                   |   |  |   |  |                                     |  |          |                  |  |
| Daramatar  |  | Flag                              | ~   |  | IDL<br>sult   |  | Unit                                | •  |          |                  | RL   |
| Parameter  |  |                                   |   | K E  |   |  | Unit                                |  |          |                  | K.L  |
| Chloride  Laboratory   | Control  | Spike (LCS-1)                     | 5   | ***************************************  | 3.25  |  | mg/K                                |  |          |                  | 5  |
|  | Control 34139 29626  |                                   |   | ***************************************  |   |  |                                     |  |          | zed By:          | 5  |
| Laboratory QC Batch:   | 34139  |                                   |   | <:<br>Date Analyzed:   | 2007-01-30  |  | mg/K                                | g  |          | red By:          | SM<br>SM   |
| Laboratory<br>QC Batch:<br>Prep Batch:   | 34139  |                                   | LCS   | <:<br>Date Analyzed:<br>QC Preparation:  | 2007-01-30<br>2007-01-30  | Spike  | mg/K                                | g  | Prepar   | red By:          | SM<br>SM<br>Rec.   |
| Laboratory  QC Batch:  Prep Batch:   | 34139  |                                   | LCS<br>Result   | Cate Analyzed:<br>QC Preparation:<br>Units   | 2007-01-30  | Amount   | mg/K<br>Mat<br>Res                  | g<br>rrix<br>ult   | Prepar   | red By:          | SM<br>SM<br>Rec.<br>Limit                                  |
| Laboratory QC Batch: Prep Batch: Param Chloride  | 34139<br>29626   |                                   | LCS<br>Result<br>102  | Cate Analyzed: QC Preparation: Units mg/Kg   | 2007-01-30<br>2007-01-30<br>Dil.  | Amount<br>100  | mg/K<br>Mat<br>Res<br><3.           | g<br>rrix<br>ult   | Prepar   | red By:          | SM<br>SM<br>Rec.<br>Limit                                  |
| Laboratory QC Batch: Prep Batch: Param Chloride  | 34139<br>29626   | Spike (LCS-1) ased on the spike r | LCS<br>Result<br>102  | Cate Analyzed: QC Preparation: Units mg/Kg   | 2007-01-30<br>2007-01-30<br>Dil.  | Amount<br>100  | mg/K<br>Mat<br>Res<br><3.           | g<br>rrix<br>ult   | Rec.     | red By:          | SM<br>SM<br>Rec.<br>Limit                                  |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent reco  | 34139<br>29626   | Spike (LCS-1)                     | LCS<br>Result<br>102<br>result. RPD   | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil.   | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>sike and spike of<br>Spike<br>Amount                             | Amount 100 duplicate re Matrix Result                    | Mat<br>Res<br><3.                   | erix<br>sult<br>25   | Rec. 102 | red By:          | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit       |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent reco  | 34139<br>29626   | Spike (LCS-1)                     | LCS<br>Result<br>102<br>result. RPD   | Oate Analyzed: QC Preparation:  Units mg/Kg is based on the sp   | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>sike and spike of<br>Spike                                       | Amount 100 duplicate re                                  | Mat<br>Res<br><3.                   | erix<br>sult<br>25   | Rec. 102 | red By:          | SM<br>SM<br>Rec.<br>Limit<br>0 - 110                       |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent recor Param Chloride                              | 34139<br>29626<br>very is ba   | Spike (LCS-1)                     | LCS<br>Result<br>102<br>result, RPD<br>LCSD<br>Result<br>102                        | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1   | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>bike and spike of<br>Spike<br>Amount<br>100                      | Amount 100 duplicate re Matrix Result <3.25              | Mat<br>Res<br><3.<br>sult.          | erix<br>sult<br>25   | Rec. 102 | red By:          | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit       |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent record Chloride Percent record                    | 34139<br>29626<br>very is ba   | Spike (LCS-1)                     | LCS<br>Result<br>102<br>result, RPD<br>LCSD<br>Result<br>102                        | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1   | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>bike and spike of<br>Spike<br>Amount<br>100                      | Amount 100 duplicate re Matrix Result <3.25              | Mat<br>Res<br><3.<br>sult.          | erix<br>sult<br>25   | Rec. 102 | red By:          | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit       |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent recor Chloride Percent recor Laboratory           | 34139<br>29626<br>very is ba   | Spike (LCS-1) ased on the spike r | LCS<br>Result<br>102<br>result. RPD result<br>102 result<br>result. RPD result. RPD | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1 is based on the sp  | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>pike and spike of<br>Spike<br>Amount<br>100<br>pike and spike of | Amount 100 duplicate re Matrix Result <3.25              | Mat<br>Res<br><3.<br>sult.          | erix<br>sult<br>25   | Rec. 102 | PRPD 0           | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit<br>20 |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent recor Chloride Percent recor Laboratory QC Batch: | 34139<br>29626<br>very is ba   | Spike (LCS-1) ased on the spike r | LCS<br>Result<br>102<br>result. RPD result<br>102 result<br>result. RPD result. RPD | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1   | 2007-01-30<br>2007-01-30<br>Dil.<br>I<br>bike and spike of<br>Spike<br>Amount<br>100                      | Amount 100 duplicate re Matrix Result <3.25              | Mat<br>Res<br><3.<br>sult.          | erix<br>sult<br>25   | Rec. 102 | red By:          | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit       |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent record Chloride Percent record                    | 34139<br>29626<br>very is backers of the second of | Spike (LCS-1) ased on the spike r | LCS Result 102 result. RPD result 102 result. RPD result                            | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1 is based on the sp  | 2007-01-30<br>2007-01-30<br>Dil.<br>1<br>pike and spike of<br>Spike<br>Amount<br>100<br>pike and spike of | Amount 100 duplicate re Matrix Result <3.25 duplicate re | Mat Res <3. esult.  Rec. 102 esult. | rix<br>ault<br>25<br>Rec<br>Lim<br>90 - 1  | Rec. 102 | 90 RPD 0 zed By: | SM<br>SM<br>Rec.<br>Limit<br>0 - 110<br>RPD<br>Limit<br>20 |
| Laboratory QC Batch: Prep Batch:  Param Chloride Percent recor Chloride Percent recor Laboratory QC Batch: | 34139<br>29626<br>very is backers of the second of | Spike (LCS-1) ased on the spike r | LCS<br>Result<br>102<br>result. RPD result<br>102 result<br>result. RPD result. RPD | Date Analyzed: QC Preparation:  Units mg/Kg is based on the sp  Units Dil. mg/Kg 1 is based on the sp  | 2007-01-30<br>2007-01-30<br>Dil.<br>1<br>pike and spike of<br>Spike<br>Amount<br>100<br>pike and spike of | Amount 100 duplicate re Matrix Result <3.25              | Mat<br>Res<br><3.<br>sult.          | rix<br>ault<br>25<br>Rec<br>Lim<br>90 - 1  | Rec. 102 | RPD 0            | SM SM Rec. Limit 0 - 110 RPD Limit 20                      |

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

Report Date: January 31, 2007

White City 8 Fed Com No. 1

Work Order: 7013014

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|          | LCSD   |       |      | Spike  | Matrix |      | Rec.     |     | RPD   |
|----------|--------|-------|------|--------|--------|------|----------|-----|-------|
| Param    | Result | Units | Dil. | Amount | Result | Rec. | Limit    | RPD | Limit |
| Chloride | 97.9   | 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: 115063

QC Batch: 34139 Date Analyzed:

2007-01-30

Analyzed By: SM Prepared By:

Prep Batch: 29626

QC Preparation: 2007-01-30

|          | MS     |       |      | Spike  | Matrix |      | Rec.       |
|----------|--------|-------|------|--------|--------|------|------------|
| Param    | Result | Units | Dil. | Amount | Result | Rec. | Limit      |
| Chloride | 1920   | mg/Kg | 20   | 2000   | <65.0  | 96   | 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 | Units | Dil. | Amount | Result | Rec. | Limit      | RPD | Limit |
| Chloride | 1860   | mg/Kg | 20   | 2000   | <65.0  | 93   | 84.6 - 117 | 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: 115073

QC Batch: 34140 Prep Batch: 29628

Date Analyzed: 2007-01-30 QC Preparation: 2007-01-30

Analyzed By: WB Prepared By:

|          |   | MS     |       |      | Spike  | Matrix |      | Rec.       |
|----------|---|--------|-------|------|--------|--------|------|------------|
| Param    |   | Result | Units | Dil. | Amount | Result | Rec. | Limit      |
| Chloride | 1 | 2440   | mg/Kg | 20   | 2000   | <65.0  | 122  | 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 | Units | Dil. | Amount | Result | Rec. | Limit      | RPD | Limit |
| Chloride | 2 | 2560   | mg/Kg | 20   | 2000   | <65.0  | 128  | 84.6 - 117 | 5   | 20    |

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

Standard (ICV-1)

QC Batch: 34139

Date Analyzed: 2007-01-30

Analyzed By: SM

|          |      |       | <b>ICVs</b> | <b>ICVs</b> | <b>ICVs</b> | Percent  |            |
|----------|------|-------|-------------|-------------|-------------|----------|------------|
|          |      |       | True        | Found       | Percent     | Recovery | Date       |
| Param    | Flag | Units | Conc.       | Conc.       | Recovery    | Limits   | Analyzed   |
| Chloride |      | mg/Kg | 100         | 101         | 101         | 85 - 115 | 2007-01-30 |

Standard (CCV-1)

QC Batch: 34139

Date Analyzed: 2007-01-30

Analyzed By: SM

<sup>1</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>&</sup>lt;sup>2</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: January 31, 2007 White City 8 Fed Com No. 1

Param

Chloride

Flag

Units

mg/Kg

Work Order: 7013014

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Date Analyzed 2007-01-30

| Param      | Flag            | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|------------|-----------------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Chloride   |                 | mg/Kg | 100                   | 99.3                   | 99                          | 85 - 115                      | 2007-01-30       |
| Standard ( | ICV-1)          |       |                       |                        |                             |                               |                  |
| QC Batch:  | 34140           |       | Date Anal             | lyzed: 2007-01         | Analyzed By: WB             |                               |                  |
| Param      | Flag            | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
| Chloride   | <u> </u>        | mg/Kg | 100                   | 99.0                   | 99                          | 85 - 115                      | 2007-01-30       |
| Standard ( | CCV-1)          |       |                       |                        |                             |                               |                  |
| QC Batch:  | QC Batch: 34140 |       |                       | yzed: 2007-01          | Analyzed By: WB             |                               |                  |
|            |                 |       | CCVs                  | CCVs                   | CCVs                        | Percent                       |                  |

Found

Conc.

101

Percent

Recovery

101

Recovery

Limits

85 - 115

True

Conc.

100

|  |  | LAB Order ID  | # 7013                        | 3014   | Page   | of   |
|--|--|---|-------------------------------|--|--|--|
| TraceAnalys  | ,  | 6701 Aberdeen Av<br>Lubbock, Tex<br>Tel (806) 79<br>Fax (806) 79  | as 79424<br>4-1296<br> 4-1298 | 5002 Basin Street, Suite A1<br>Midland, Texas 79703<br>Tel (432) 689-6301<br>Fax (432) 689-6313  | 200 East Sunset Rd., Suite E<br>El Paso, Texas 79922<br>Tel (915) 585-3443<br>Fax (915) 585-4944 | 6015 Harris Pkwy., Suite 110<br>Ft. Worth, Texas 76132<br>Tel (817) 201-5260 |
| email: lab@traceanaly  |  | 1 (800) 378   |                               |  | 1 (888) 588-3443   |  |
| Nadel Gusman Pern  | hum LLC Fax#   | 505-476-14  | (Circle                       | analysis request or Specify Method   | od No.)  |  |
| Contact Person:  | , NM EBOYO FAX#  |   |                               | 20.7   |  |  |
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| Invoice to:<br>(If different from above)   |  | J   |                               | 324<br>xt(C3<br>g 601<br>o Se  |  | n sta  |
| Project #: te City & Fed Com. N.   | Project  | Name:   |                               | MTBE 80218 / 602 / 8260B / 624  BTEX 80218 / 602 / 8260B / 624  TPH 418.1 / TX1005 / TX1005 Exi(C35)  TPH 8015 GRO / DRO / TVHC  PAH 8270C / 625  Total Metals Ag As Ba Cd Cr Pb Se Hg  TCLP Volatiles   | 625  | Turn Around Time if different from standard<br>Hold                          |
| Project Location (inclyding state):  | Sample   | r Signature:  |                               | / 8260B<br>8260B<br>/ TX10C<br>O / TVH<br>d Cr Pb (8   |  | eren   |
|  | -1   |   | 1                             | 02 / 82<br>02 / 82<br>005 / T<br>DRO<br>005 / T<br>005 / T   | 95<br>1 / 624<br>8270C<br>608  | f diff   |
| 88   | t MATRIX   | PRESERVATIVE<br>METHOD  | SAMPLING                      | 7218 / 602 / 8260B / 618 / 602 / 8260B / 6 / TX1005 / TX1005 GRO / DRO / TVHC GRO / DRO / TVHC / 625 / 625 / 626 GRO | Iticides Iticides I 8260B / 624 Imi. Vol. 8270C 2 / 608 8081A / 608 PH                           | i e i  |
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| /LAB USE\ FIELD CODE   | me /   | 2 T   |                               | x 8021B<br>418.177<br>418.177<br>8015 GF<br>8270C /<br>Metals Ag<br>Metals Ag  | IS Vol. IS Ser. IS Ser. IS Ser. IS Ser. IS Ser. ISS. ITSS. Ure Court Court IS Ser. ISS.          | Arou   |
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|  |  |   |                               | Headspace Y / N  | TRRP Report Require  |  |
| Relinquished by: Date: Time: Re  | ceived at Laboratory by:   | Date: Time:   |                               | Temp   | Check If Special Repo  |  |
|  | icond drin   | Well-800  | 219,0                         | Log-in-Review  | Limits Are Needed  | -  |

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