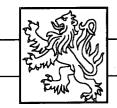
1R-426-105

# GENERAL CORRESPONDENCE

YEAR(S): 2007



# Highlander Environmental Dorp.

CERTIFIED MAIL RETURN RECIEPT NO. 7004 2510 0001 1869 0972

1R426-105

August 3, 2007

Mr. Wayne Price New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87504

#### RE: INVESTIGATION & CHARACTERIZATION WORK PLAN C-4-3 JUNCTION BOX, BD SWD SYSTEM UNIT "C", SEC. 4, T22S, R37E

Mr. Price:

RICE Operating Company (ROC) has retained Highlander Environmental Corp. (Highlander) to address potential environmental concerns at the above-referenced site. ROC is the service provider (agent) for the Blinebry Drinkard (BD) SWD System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. In general, project funding is not forthcoming until NMOCD approves the work plan. Therefore, your timely review of this submission is requested.

For all environmental projects, ROC will choose a path forward that:

- protects public health,
- provides the greatest net environmental benefit,
- complies with NMOCD Rules, and
- is supported by good science.

Each site shall have three submissions or a combination of:

- 1. This <u>Investigation and Characterization Plan</u> (ICP) is a proposal for data gathering and site characterization and assessment.
- 2. Upon evaluating the data and results from the ICP, a recommended remedy will be submitted in a <u>Corrective Action Plan</u> (CAP).
- 3. Finally, after implementing the remedy, a <u>closure report</u> with final documentation will be submitted.

#### BACKGROUND & PREVIOUS WORK

As part of the ROC Junction Box Upgrade Workplan the junction box was moved 25' to the south. Starting on June 16, 2004, the former junction box site was investigated vertically and horizontally with a backhoe. The Site was excavated to the approximate dimensions of 22' x 28' x 12'. TPH impact was noted to a depth of at least 12' below ground surface (bgs) at the bottom of the excavation along with on the east and north walls. To further delineate the vertical extent of the TPH impact, a trench in the center of the excavation was extended to a depth of 17' bgs. A vertical grab sample was collected at 17' bgs with analytical results exceeding the NMOCD guidelines of 1,000 mg/kg TPH. Chloride concentrations decline with depth from 617 mg/kg at a depth of 5 feet bgs on the south wall to 64 mg/kg at a depth of 17 feet bgs. No water wells were located within Section 4 which contains the site. However, according to the New Mexico State Engineers Well Reports, one water well is located in adjacent section 3 with a depth to groundwater of 85 feet bgs.

The excavated soil was blended onsite and replaced into the excavation to a depth of 12' below ground surface (bgs). On September 15, 2004, ROC submitted a Junction Box Disclosure Report to the NMOCD. A copy of the Junction Box Disclosure Report is included in Appendix A. A copy of the soil boring log and laboratory analysis are included in Appendix B.

#### **INVESTIGATION & CHARACTERIZATION PLAN**

As discussed above, existing site data suggest a potential for impairment of groundwater quality. Therefore the work elements described below are designed to assist ROC in selecting an appropriate vadose zone remedy and, if necessary, a groundwater remedy.

#### Task 1Collect Regional Hydrogeologic Data

A water well inventory will be performed to encompass a <sup>1</sup>/<sub>2</sub> mile radius around the release site. The inventory will include a review of water well records on the New Mexico Office of the State Engineer W.A.T.E.R.S. database and United States Geologic Survey (USGS) website. Any water wells denoted on the USGS 7.5 minute topographic quadrangle map within the search radius will be inspected. If viable wells are located, they will be evaluated for the possible incorporation of water level measurements and groundwater monitoring.

#### Task 2Evaluate Concentrations of Constituents of Concern in Soil (and Ground Water)

Highlander proposes to conduct soil borings at the former junction box site for further evaluation. The soil borings will be placed appropriately to evaluate subsurface TPH and chloride impacts, and for vertical and horizontal delineation. The soil boring samples will be field screened for chloride concentrations and hydrocarbons utilizing a photoionization detector (PID). If chloride concentrations do not decline sufficiently with depth or exceed 250 mg/kg within 10'of the suspected groundwater depth, one soil boring, in the area with the highest potential to impact groundwater, will be converted to a monitoring well.

If a monitoring well is installed, it will be constructed according to EPA and industry standards and developed either by bailing with a rig or hand bailer, or pumping with an electric submersible pump to remove fine grained sediment disturbed during drilling and to ensure

collection of representative groundwater samples. Water removed from any monitor well will be disposed of in the BD SWD System.

If a monitoring well is completed, it will be inspected for the presence of phase-separated hydrocarbons (PSH) and, if present, a sample will be collected and analyzed by gas chromatography (GC) to determine composition and origin. The well will be properly purged and sampled with a clean, dedicated, polyethylene bailer and disposable line. Groundwater samples will be submitted to a laboratory for analysis of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) by method EPA 8021B, and chloride by method 300.0.

#### Task 3Evaluate Flux from the Vadose Zone to Ground Water

As part of the ICP, the residual impact to vadose zone soils will be evaluated to determine what, if any remediation/isolation techniques will be required at the Site.

The information gathered from tasks 1-3 will be evaluated and utilized to design a groundwater remedy if needed. The groundwater remedy that offers the greatest environmental benefit while causing the least environmental impairment will be selected. If the evaluation demonstrates that residual constituents pose no threat to groundwater quality, a vadose zone remedy protective of groundwater will be proposed. Such recommendations and findings will be presented to NMOCD in a subsequent Corrective Action Plan (CAP). When evaluating any proposed remedy or investigative work, ROC will confirm that there is a reasonable relationship between the benefits created by the proposed remedy or assessment and the economic and social costs.

Should you have any questions, please contact me at (432) 682-4559. Your prompt review of this submission is appreciated. Thank you for your attention to this matter.

Highlander Environmental Corp.

Jeffrey Kindley

Jeffrey W. Kindley, P.G. Senior Environmental Geologist

cc: ROC

Edward Hansen - NMOCD Larry Johnson - NMOCD

enclosures: photos, disclosure report, laboratory analysis



## Figures

an shares

などので、たいこの

A STATE OF

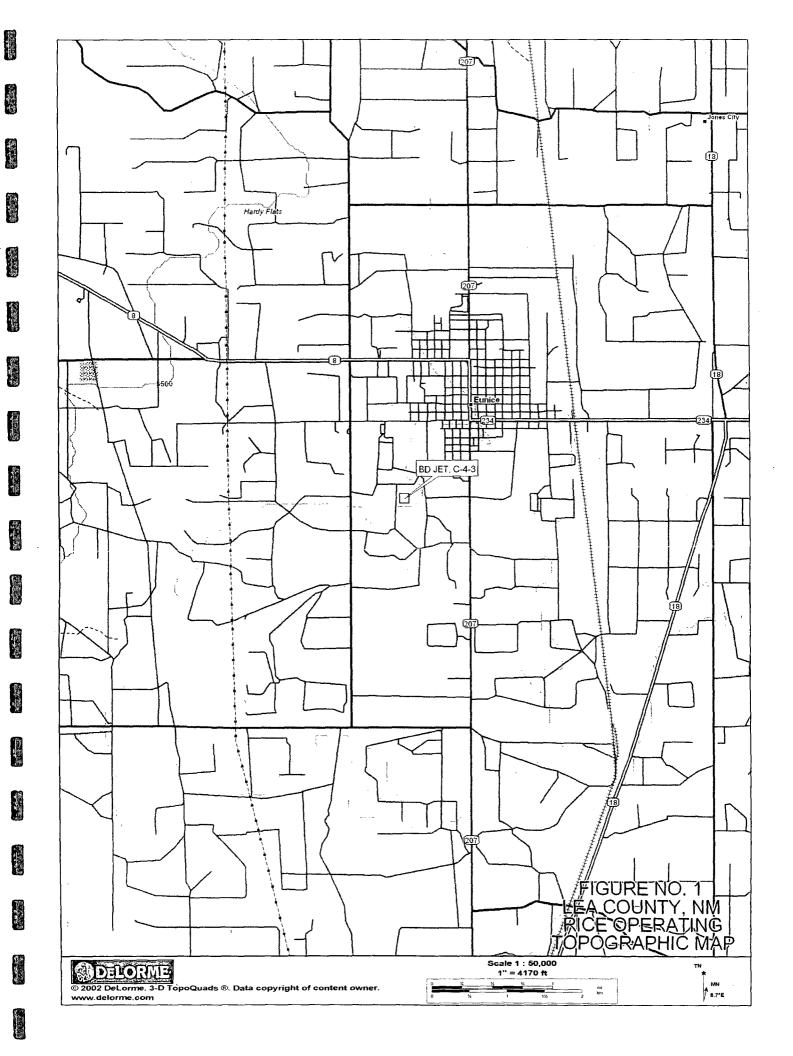
のない

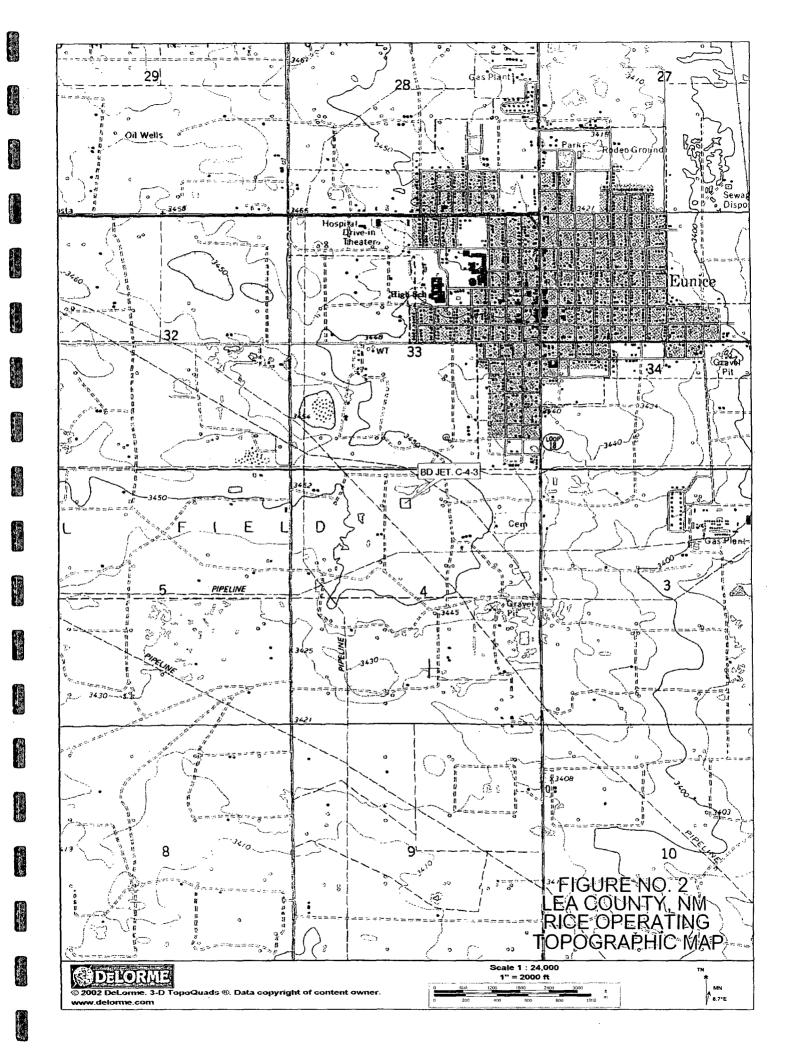
Contraction of

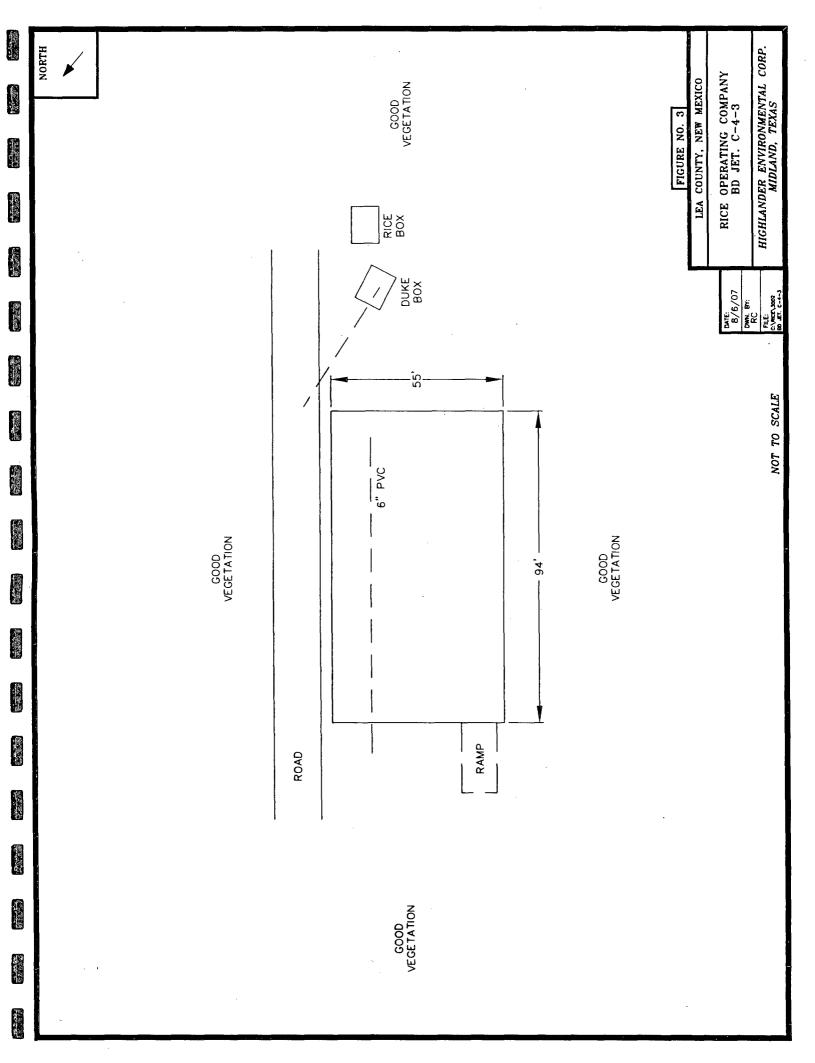
ないためのないない

ALL STREET

age and a







## Photographs

Log Manuel

A CONTRACTOR

Salation and a

11.75 A. 14

A STATE OF

and the second second

C. YANG TE

ないたの

「日本の

al and a state

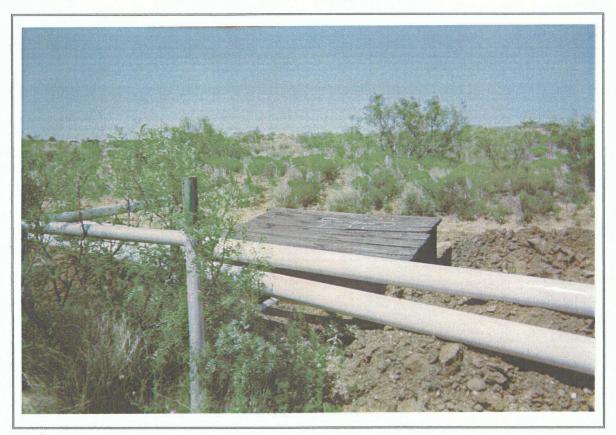
and the second second

Sample and the s

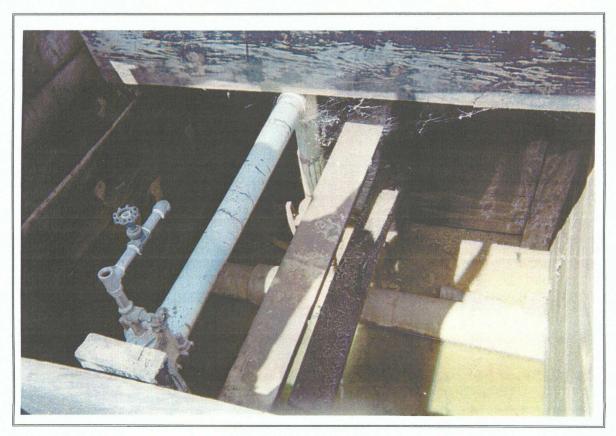
· · · ·

2

·



1. View of the old junction box.



2. View inside the old junction box.



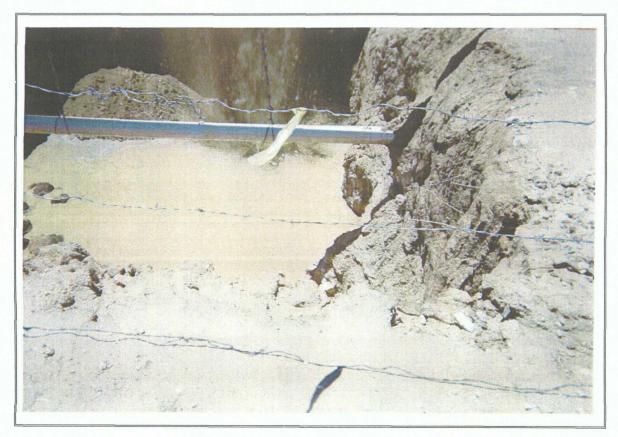
3. Excavation of the old junction box.



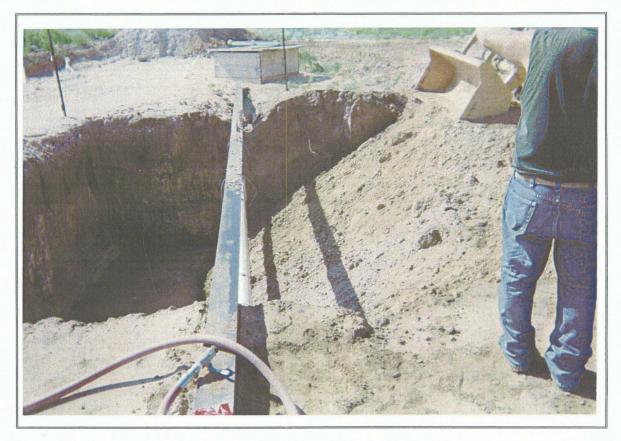
4. Excavation of the old junction box.



5. Excavation of the old junction box.



6. Backfilling of the old junction box.



7. Backfilling of old junction box.



8. Completed backfilling of site.



9. Completed backfilling of site..



10. Plumbing for new junction box.



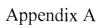
11. Plumbing for new junction box.



12. Interior view of new junction box.



13. View of new junction box.



A STATE OF

Constanting and a second s

a min the second

and a state of the state of the

0.01

and the second

2. 22.00 and 22

0.000 and 17.000

に定

a via mitorita

in anna i

## RICE OPERATING COMPANY JUNCTION BOX DISCLOSURE\* REPORT

|                |          |          |          | BOX LOC       | ATION       |             |           |                  |        |      |
|----------------|----------|----------|----------|---------------|-------------|-------------|-----------|------------------|--------|------|
| SWD SYSTEM     | JUNCTION | UNIT     | SECTION  | TOWNSHIP      | RANGE       | COUNTY      | BOX D     | <b>IMENSIONS</b> | - FEET | _    |
| BD             | C-4-3    | с        | 4        | 22S           | 37E         | Lea         | Length    | Width            | Depth  | 7    |
|                | 0-4-0    |          | т.       | 225           | 512         | LCa         | mo        | oved 25 ft So    | 7      |      |
|                |          |          |          |               |             | ,           |           |                  |        |      |
| LAND TYPE: E   | BLM      | STATE    | FEE LA   | NDOWNER       | Priscilla B | runson Mood | ly_OTHER_ |                  |        |      |
| Depth to Grour | ndwater  | 93       | feet     | NMOCD         | SITE ASSE   | ESSMENT R   | ANKING S  | CORE:            | 10     |      |
| Date Started   | 6/16/    | 2004     | Date Cor | npleted       | 7/6/2004    |             | litness   | 1                | No     |      |
| Soil Excavated | 274      | cubic ya | ds Exc   | avation Le    | ngih 22     | Width       | 28        | Depth            | 12     | feet |
| Soil Disposed  | 0        | cubic ya | rds Off  | site Facility | n           | la          | Location  |                  | n/a    |      |

#### FINAL ANALYTICAL RESULTS: Sample Date 6/17/2004, 6/22/2004, 7/1/2004 Sample Depth 12, 17 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

| Sample Location               | Benzene Toluene Ethyl Total<br>Benzene Xylenes<br>mg/kg mg/kg mg/kg mg/kg |        |                                |        | GRO<br>mg/kg | DRO<br>mg/kg | Chlorides<br>mg/kg |
|-------------------------------|---|--------|--------------------------------|--------|--------------|--------------|--------------------|
| VERTICAL GRAB @ 17 ft         | 0.298   | 0.065  | 4.78                           | 21.7   | 2640         | 64           |                    |
| BOTTOM COMPOSITE @ 12 ft      |   |        |                                |        | 156          | 984          | 372                |
| NORTH WALL COMPOSITE          |   |        |                                |        | 141          | 911          | 436                |
| SOUTH WALL COMPOSITE          |   |        | itory analytic<br>Study tables | • •    | 19           | 183          | 617                |
| EAST WALL COMPOSITE           |   |        | and anes                       | '      | 183          | 1070         | 383                |
| WEST WALL COMPOSITE           |   |        | -                              | 8.82   | 27.9         | 585          |                    |
| REMEDIATED BACKFILL COMPOSITE | <0.005  | <0.005 | <0.005                         | <0.015 | <10.0        | 414          | 289                |

General Description of Remedial Action: This junction box site was delineated

Crashe T

DURINE ST.

#### using a backhoe while chloride field tests and PID screenings were conducted at regular intervals. Within the 22 x 28 x 12-ft-deep excavation, chloride concentrations were very low and similar to the background level (87 ppm). Some of the samples collected within the excavation yielded elevated PID readings. The bottom and wall samples were analyzed for BTEX after being composited under laboratory conditions. Comparative tables showing these results are enclosed. NMOCD BTEX guidelines were met. NMOCD TPH guidelines were not met on the following samples: vertical grab at 17 ft, bottom composite, at 12 ft, north wall composite, and the east wall composite. The excavated soils were blended on site and then backfilled into the hole. An identification plate was placed on the surface to mark the site of the former junction box for future considerations. A new watertight junction box was built 25 ft south of this location. ADDITIONAL EVALUATION IS <u>HIGH</u> PRIORITY

enclosures: chloride graph, photos, lab results, BTEX study

#### CHLORIDE FIELD TESTS

| LOCATION         | DEPTH (ft) | ppm |
|------------------|------------|-----|
| Vertical         | 8          | 84  |
| at jct.          | 9          | 83  |
|                  | 10         | 84  |
|                  | 11         | 140 |
| ·                | 12         | 87  |
|                  | 17         | 81  |
| north wall comp. | 0-12       | 495 |
| south wall comp. | 0-12       | 857 |
| east wall comp.  | 0-12       | 464 |
| west wall comp.  | 0-12       | 590 |
| bottom comp.     | 12         | 393 |

| I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE I | BEST OF MY |
|---|------------|
| KNOWLEDGE AND BELIEF.   |            |

|                     | loe Gatts SIGNATURE | for Jost  | COMPANY RICE Operating Company |
|---------------------|---------------------|-----------|--------------------------------|
|                     |                     | g         | 11 1 7.0                       |
| REPORT ASSEMBLED BY | Kristin Farris Pope | SIGNATURE | Knistin James Pope             |
| DATE                | 9/15/2004           | TITLE     | Project Scientist              |

\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

Appendix B

ALL STREET

Construction of the

A STATE OF A

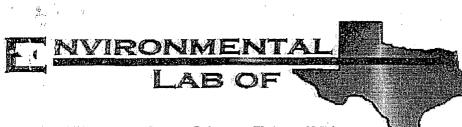
e i sere

State States

S. Lines of Street Street

hand the station

1. 1. 1. 1. 1. 1. A. 1. 1. 1. 1.



12600 West I-20 East - Odessa, Texas 79765

Sales and

1000

No.

A State of the second

and the

1.68

18. T. 18.

語に彼

100.2

64. T.M.

# Analytical Report

Prepared for:

Kristin Farris Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project C-4-3

Project Number: None Given Location: None Given

Lab Order Number: 4F28001

Report Date: 07/01/04

## Rice Operating Co.

12'. W. Taylor Hobbs NM, 88240

Contraction of the

Same and

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

07/01/04 10:20

|  | •  | Environn  |   |   | . Слаб  |  |  |   |                                       |
|--|--|---|---|---|---|--|--|---|---------------------------------------|
| Analyte  | Result   | Reporting<br>Limit  | Units   | Dilution  | Batch   | Prepared   | Analyzed   | Method  | Not                                   |
| Vest Wall Pt #1,2,3,4,5 (4F28001-01  | ) Soil LAB   | COMP.   |   |   |   |  |  |   |                                       |
| Benzene  | ND   | 0.0250  | mg/kg dry   | 2.5   | EF42907   | 06/25/04   | 06/28/04   | EPA 8021B   |                                       |
| `oluene  | ND   | 0.0250  | н   | 0   | л   | u  | 11   | н   |                                       |
| Ethylbenzene   | ND   | 0.0250  | "   | "   | н   | . 0  | н  | 11  |                                       |
| (ylene (p/m)   | ND   | 0.0250  | н   | н   | н   | н  | 11   |   |                                       |
| (ylene (o)   | ND   | 0.0250  | и   | 11  | u   | "  | D.   | U.  |                                       |
| urrogate: a,a,a-Trifluorotoluene   |  | 96.5 %  | 80-1  | 120   | н   | "  | "  | "   |                                       |
| 'urrogate: 4-Bromofluorobenzene  |  | 101 %   | 80-1  | 20  | "   | "  | "  | "   |                                       |
| outh Wall Pt #1,2,3,4,5 (4F28001-0   | 2) Soil LAE  | 3 com   | Ρ.  |   |   |  |  |   |                                       |
| Benzene  | ND   | 0.0250  | mg/kg dry   | 25  | EF42907   | 06/25/04   | 06/28/04   | EPA 8021B   |                                       |
| oluene   | 0.0289   | 0.0250  | 11  | 11  | u   | н  | u  | "   |                                       |
| Ethylbenzene   | 0.0656   | 0.0250  | u   | 21  | н   | n  | п  | 11  |                                       |
| (ylene (p/m)   | 0.188  | 0.0250  | **  | "   | 11  | u  | n  | u   |                                       |
| ylene (0)  | 0.0462   | 0.0250  | n   | н   | u   | . "  | n  | н   |                                       |
|  |  | 96.0 %  | 80-1  | 120   | "   | "  | "  | "   | ···                                   |
| Surrogate: a,a,a-Trifluorotoluene  |  | 90.0 70   |   |   |   |  |  |   |                                       |
| urrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene  |  | 98.5 %  | 80-1  | 120   | н   | "  | 11   |   |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)  |  | 98.5 %<br>COMP ·  | 80-1  |   | "<br>EE42007  |  |  |   |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene   | ND   | 98.5 %<br><u>COMP ·</u><br>0.0250   |   | 25  | "<br>EF42907  | 06/25/04   | 06/28/04   | "<br>EPA 8021B  |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene  | ND<br>0.100  | 98.5 %<br>COMP -<br>0.0250<br>0.0250  | 80-1  | 25  | 'n  | 06/25/04   |  |   |                                       |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Chylbenzene   | ND<br>0.100<br>0.186   | 98.5 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250   | 80-1  | 25  | "<br>EF42907<br>"   | 06/25/04   | 06/28/04<br>"  |   |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Cthylbenzene<br>Cylene (p/m)  | ND<br>0.100<br>0.186<br>0.820  | 98.5 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250   | 80-1  | 25  | 'n  | 06/25/04   |  |   |                                       |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Chylbenzene<br>Kylene (p/m)<br>Kylene (o)   | ND<br>0.100<br>0.186   | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250   | 80-1<br>mg/kg dry<br>"<br>"<br>"  | 25<br>n<br>r<br>n   | ii<br>11<br>11  | 06/25/04   | 06/28/04<br>"<br>"<br>"                                      | EPA 8021B<br>""<br>"  |                                       |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Sthylbenzene<br>Sylene (p/m)<br>Sylene (o)<br>Eurrogate: a,a,a-Trifluorotoluene   | ND<br>0.100<br>0.186<br>0.820  | 98.5 %<br>COMP -<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %  | 80-1<br>mg/kg dry<br>"<br>"<br>"<br>80-1  | 25<br>"<br>"<br>"<br>120  | й<br>И<br>И   | 06/25/04<br>"<br>"   | 06/28/04<br>"<br>"   | EPA 8021B<br>"  |                                       |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Chylbenzene<br>Cylene (p/m)<br>Cylene (o)<br>Eurrogate: a,a,a-Trifluorotoluene<br>Eurrogate: 4-Bromofluorobenzene   | ND<br>0.100<br>0.186<br>0.820<br>0.269   | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %   | 80- 4<br>mg/kg dry<br>"<br>"<br>"<br>80- 4<br>80- 4   | 25<br>"<br>"<br>"<br>120  | й<br>И<br>И<br>И  | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"                                 | EPA 8021B<br>""<br>"  |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Sthylbenzene<br>Sylene (p/m)<br>Sylene (o)<br>Furrogate: a,a,a-Trifluorotoluene<br>Furrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0   | $ \begin{array}{c} \text{ND} \\ 0.100 \\ 0.186 \\ 0.820 \\ 0.269 \end{array} $ 4) Soil $\angle AB$                           | 98.5 %<br><u>COMP</u> -<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u>  | 80-1<br>mg/kg dry<br>"<br>"<br>80-1<br>80-1   | 25<br>"<br>"<br>"<br>120<br>120   | й<br>В<br>В<br>И<br>И   | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"                            | EPA 8021B<br>"<br>"<br>"<br>"                                       |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Coluene<br>Chylbenzene<br>Cylene (p/m)<br>Cylene (o)<br>Sylene (o)<br>Sylene (o)<br>Surrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene   | ND<br>0.100<br>0.186<br>0.820<br>0.269<br>4) Soil $\angle AB$<br>ND  | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250  | 80- 4<br>mg/kg dry<br>"<br>"<br>"<br>80- 4<br>80- 4   | 25<br>"<br>"<br>"<br>120  | й<br>И<br>И<br>И  | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"<br>06/28/04                | EPA 8021B<br>""<br>"  |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Sthylbenzene<br>Sylene (p/m)<br>Sylene (o)<br>Surrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene   | A) Soil<br>ND<br>0.100<br>0.186<br>0.820<br>0.269<br>A) Soil<br>ND<br>0.0977   | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250  | 80-1<br>mg/kg dry<br>"<br>"<br>80-1<br>80-1   | 25<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" | ""<br>"<br>"<br>"<br>EF42907  | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"                            | EPA 8021B<br>""<br>"<br>"<br>"<br>EPA 8021B                         |                                       |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Ethylbenzene<br>Ethylbenzene<br>Ethylbenzene<br>Eurrogate: a,a,a-Trifluorotoluene<br>Eurrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene<br>Ethylbenzene   | ND         0.100         0.186         0.820         0.269         4) Soil       ∠AB         ND         0.0977         0.350 | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250  | 80-1<br>mg/kg dry<br>"<br>"<br>80-1<br>80-1   | 25<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" | ""<br>"<br>"<br>"<br>EF42907  | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"<br>06/28/04                | EPA 8021B<br>""<br>"<br>"<br>"<br>EPA 8021B                         | · · ·                                 |
| Eurrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Ethylbenzene<br>Ethylbenzene<br>Eurrogate: a,a,a-Trifluorotoluene<br>Eurrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene<br>Ethylbenzene<br>Ethylbenzene<br>Ethylbenzene<br>Ethylbenzene                                 | ND<br>0.100<br>0.186<br>0.820<br>0.269<br>4) Soil<br>ND<br>0.0977<br>0.350<br>0.845  | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250  | 80-1<br>mg/kg dry<br>"<br>"<br>80-1<br>80-1   | 25<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" | ""<br>"<br>"<br>"<br>EF42907  | 06/25/04<br>"<br>"<br>"<br>"<br>"<br>06/25/04                | 06/28/04<br>"<br>"<br>"<br>"<br>06/28/04<br>"                | EPA 8021B<br>""<br>"<br>"<br>"<br>EPA 8021B                         |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Sthylbenzene<br>Sylene (p/m)<br>Sylene (o)<br>Surrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene<br>Ethylbenzene<br>Sylene (p/m)<br>Sylene (o)                                     | ND         0.100         0.186         0.820         0.269         4) Soil       ∠AB         ND         0.0977         0.350 | 98.5 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250  | 80-1<br>mg/kg dry<br>"<br>"<br>"<br>80-1<br>80-1<br>80-1<br>80-1<br>"<br>"<br>"   | 25<br>"<br>"<br>"<br>"<br>"<br>120<br>120<br>25<br>"<br>"<br>"                                    | ""<br>"<br>"<br>"<br>EF42907  | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"<br>06/28/04<br>"<br>"      | EPA 8021B   | •                                     |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Chylbenzene<br>Cylene (p/m)<br>Cylene (o)<br>Surrogate: a,a,a-Trifluorotoluene<br>Currogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene<br>Cthylbenzene<br>Cylene (p/m)<br>Cylene (o)<br>Surrogate: a,a,a-Trifluorotoluene | ND<br>0.100<br>0.186<br>0.820<br>0.269<br>4) Soil<br>ND<br>0.0977<br>0.350<br>0.845  | 98.5 %<br><u>COMP</u> .<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.025 | 80- 4<br>mg/kg dry<br>"<br>"<br>"<br>80- 4<br>80- 4<br>80- 4<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>"<br>" | 25<br>"<br>"<br>"<br>120<br>120<br>25<br>"<br>"<br>"<br>"<br>"<br>"<br>"                          | н<br>н<br>и<br>и<br>и<br>и<br>ЕF42907<br>х<br>и<br>н<br>и<br>и<br>и | 06/25/04<br>"<br>"<br>"<br>"<br>"<br>"<br>06/25/04<br>"<br>" | 06/28/04<br>"<br>"<br>"<br>"<br>"<br>06/28/04<br>"<br>"<br>" | EPA 8021B   |                                       |
| Surrogate: 4-Bromofluorobenzene<br>East Wall Pt #1,2,3,4,5 (4F28001-03)<br>Benzene<br>Foluene<br>Sthylbenzene<br>Sylene (p/m)<br>Sylene (o)<br>Surrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene<br>North Wall Pt #1,2,3,4,5 (4F28001-0<br>Benzene<br>Foluene<br>Ethylbenzene<br>Sylene (p/m)<br>Sylene (o)                                     | ND<br>0.100<br>0.186<br>0.820<br>0.269<br>4) Soil<br>ND<br>0.0977<br>0.350<br>0.845  | 98.5 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>96.3 %<br>90.3 %<br><u>COMP</u><br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250<br>0.0250  | 80-1<br>mg/kg dry<br>"<br>"<br>"<br>80-1<br>80-1<br>80-1<br>80-1<br>"<br>"<br>"   | 25<br>"<br>"<br>"<br>120<br>120<br>25<br>"<br>"<br>"<br>"<br>"<br>"<br>"                          | ""<br>""<br>""<br>EF42907<br>""<br>""                               | 06/25/04   | 06/28/04<br>"<br>"<br>"<br>"<br>"<br>06/28/04<br>"<br>"<br>" | EPA 8021B " " " " " EPA 8021B " " " " " " " " " " " " " " " " " " " | · · · · · · · · · · · · · · · · · · · |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Rice Operating Co. |  |
|--------------------|--|
| 122 W. Taylor      |  |
| Hobbs NM, 88240    |  |

and the

1. S. 1.

Same and

STATES OF

R. Carlo

Part and

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

#### Fax: (505) 397-1471

Reported: 07/01/04 10:20

|                                      |              | Or                 | ganics b  | by GC    |         |                    |          |           |       |
|--------------------------------------|--------------|--------------------|-----------|----------|---------|--------------------|----------|-----------|-------|
|                                      |              | Environ            | nental I  | lab of T | exas    |                    |          |           |       |
| Analyte                              | Result       | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared           | Analyzed | Method    | Note  |
| Bottom Pt #1,2,3,4,5 @ 12' Bgs (4F28 | 001-05) Soil | LAB CO             | MP        | ·-··     |         | ···- <u>-</u> ···· |          |           |       |
| Benzene                              | 0.0268       |                    | mg/kg dry | 25       | EF42907 | 06/25/04           | 06/28/04 | EPA 8021B | ····· |
| Toluene                              | 0.139        | 0.0250             |           | ų        | н       | 11                 | "        | . н       |       |
| Ethylbenzene                         | 0.155        | 0.0250             | "         | n        | в       | 11                 | u        | 16        |       |
| Xylene (p/m)                         | 1.08         | 0.0250             | н         | 11       | 9       | n                  | в        | u.        |       |
| Xylene (0)                           | 0.128        | 0.0250             | 11        | 4        | . u     | п                  | н        |           |       |
| Surrogate: a,a,a-Trifluorotoluene    |              | 131 %              | 80        | 120      | 'n      | 11                 | . "      | "         | S-(   |
| Surrogate: 4-Bromofluorobenzene      |              | 97.9 %             | 80-       | 120      | и       | u                  | и        | "         |       |
| East Wall Field Comp (4F28001-06)    | Soil         |                    |           | <b>、</b> |         |                    |          |           |       |
| Benzene                              | ND           | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04           | 06/29/04 | EPA 8021B |       |
| Toluene                              | 0.135        | 0.0250             | u         | и        | 11      | R                  | . 11     | **        |       |
| Ethylbenzene                         | 0.126        | 0.0250             | 11        | н        | 16      | n                  | п        | "         |       |
| Xylene (p/m)                         | 0.701        | 0.0250             | "         | н        | **      |                    | п        | н         |       |
| Xylene (0)                           | 0.222        | 0.0250             | 11        | u        | n       | n                  | u        | er        |       |
| Surrogate: a,a,a-Trifluorotoluene    |              | 89.2 %             | 80-       | 120      | "       | n                  | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene      |              | 109 %              | 80        | 120      | n       | "                  | "        | "         |       |
| Gasoline Range Organics C6-C12       | 183          | 10.0               | mg/kg dry | · 1      | EF42803 | 06/28/04           | 06/28/04 | EPA 8015M |       |
| Diesel Range Organics >C12-C35       | 1070         | 10.0               | ч         |          | 17      | и                  | 8        | · H       |       |
| Total Hydrocarbon C6-C35             | 1250         | 10.0               |           | W        | 11      | м                  | II.      | н         |       |
| Surrogate: 1-Chlorooctane            |              | 86.8 %             | 70-       | 130      | "       | "                  | "        | "         |       |
| Surrogate: 1-Chlorooctadecane        |              | -<br>105 %         | 70-       | 130      | "       | n                  | "        | "         |       |
| West Wall Field Comp (4F28001-07)    | Soil         |                    |           |          |         |                    |          |           |       |
| Benzene                              | ND           | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04           | 06/29/04 | EPA 8021B |       |
| Toluene                              | ND           | 0.0250             | n         | 11       | n       | tt.                | n        | п         |       |
| Ethylbenzene                         | ND           | 0.0250             | Н         | 11       | н       | ŧ                  | ч        | и         |       |
| Xylene (p/m)                         | ND           | 0.0250             | и         | v        | "       | **                 | 11       | "         |       |
| Xylene (o)                           | ND           | 0.0250             | u         |          | **      | 41                 | . 11     | II        |       |
| Surrogate: a,a,a-Trifluorotoluene    |              | 92.8 %             | 80-       | 120      | "       | "                  | . "      | "         |       |
| Surrogate: 4-Bromofluorobenzene      |              | 107.%              | 80-       | 120      | n       | "                  | . "      | "         |       |
| Gasoline Range Organics C6-C12       | J [8.82]     | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04           | 06/28/04 | EPA 8015M |       |
| Diesel Range Organics >C12-C35       | 27.9         | 10.0               | II        | н        | n       | н                  | a '      | n         |       |
| Total Hydrocarbon C6-C35             | 27.9         | 10.0               | "         | n        | н       | **                 | 0        | н         |       |
| Surrogate: 1-Chlorooctane            |              | 82.0 %             | 70-       | 130      | "       | "                  | "        | п         |       |
| Surrogate: 1-Chlorooctadecane        |              | 83.8 %             | 70-       | 130      | "       | "                  | "        | "         |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 13

Salar Salar

Contraction of

Section of

AR. R. D. D.

C 16

and the second

Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

#### Organics by GC

**Environmental Lab of Texas** 

| Analyte                            | Result                  | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared     | Analyzed | Method    | Not      |
|------------------------------------|-------------------------|--------------------|-----------|----------|---------|--------------|----------|-----------|----------|
| North Wall Field Comp (4F28001-08) | Soil                    |                    |           |          |         |              |          |           |          |
| Benzene                            | ND                      | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04     | 06/29/04 | EPA 8021B |          |
| Toluene                            | 0.0796                  | 0.0250             | 18        | 11       | "       | 11           | н        | п         |          |
| Ethylbenzene                       | 0.184                   | 0.0250             | n         | н        | н       | н            | "        | β.        |          |
| Xylene (p/m)                       | 0.700                   | 0.0250             | u         |          | п       | 19           | . 11     | et        |          |
| Xylene (o)                         | 0.259                   | 0.0250             | и         | 11       | 11      | и.           | 11       | N         |          |
| Surrogate: a,a,a-Trifluorotoluene  |                         | 91.2 %             | 80-1      | 20       | "       | н            | "        | u u       |          |
| Surrogate: 4-Bromofluorobenzene    |                         | 97.8 %             | 80-1      | 20       | n       | "            | "        | "         |          |
| Gasoline Range Organics C6-C12     | 141                     | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04     | 06/28/04 | EPA 8015M |          |
| Diesel Range Organics >C12-C35     | 911                     | 10.0               | u         | н        | H       | "            | и        | 11        |          |
| Total Hydrocarbon C6-C35           | 1050                    | 10.0               | n         | U II     | 11      | ti           | 11       | H         |          |
| Surrogate: 1-Chlorooctane          |                         | 90.8 %             | 70-1      | 30       | "       | "            | "        | · "       |          |
| Surrogate: 1-Chlorooctadecane      |                         | 105 %              | 70-1      | 30       | "       | "            | "        | "         |          |
| South Wall Field Comp (4F28001-09) | Soil                    |                    |           |          |         |              |          | •         |          |
| Benzene                            | ND                      | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04     | 06/29/04 | EPA 8021B |          |
| Toluene                            | 0.0265                  | 0.0250             | n         | н        | "       | <b>0</b> .   | н        | "         |          |
| Ethylbenzene                       | 0.0433                  | 0.0250             | n         | и        | **      | и            | н        |           |          |
| Xylene (p/m)                       | 0.131                   | 0.0250             | u         | 13       | w       | H            | ۳        | R         |          |
| Xylene (o)                         | 0.0336                  | 0.0250             | н         | и        | n       | н            | н        | и         |          |
| Surrogate: a,a,a-Trifluorotoluene  |                         | 86.5 %             | 80-1      | 20       | 11      | "            | "        | ".        |          |
| Surrogate: 4-Bromofluorobenzene    |                         | 90.6 %             | 80-1      | 20       | "       | · <i>1</i> / | "        | "         |          |
| Gasoline Range Organics C6-C12     | 19.0                    | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04     | 06/28/04 | EPA 8015M |          |
| Diesel Range Organics >C12-C35     | 183                     | 10.0               | n         | н        | "       | н            | ŧ,       | n         |          |
| Total Hydrocarbon C6-C35           | 202                     | 10.0               | н         | -11      | 11      | в            | 11       | n         |          |
| Surrogate: 1-Chlorooctane          |                         | 93.0 %             | . 70-1    | 30       | "       | "            | "        | "         |          |
| Surrogate: 1-Chlorooctadecane      |                         | 93.6 %             | 70        | 130      | "       | "            | и<br>:   | "         |          |
| Bottom 🗯 Field Comp @12' bgs (4    | <b>i</b> F28001-10) Soi | I                  |           |          |         |              |          |           |          |
| Benzene                            | ND                      | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04     | 06/29/04 | EPA 8021B | ·        |
| Toluene                            | 0.123                   | 0.0250             | 11        | n.       | 11      |              | и        | 81        |          |
| Ethylbenzene                       | 0.113                   | 0.0250             | н         | 41       | . 41    | н            | u        | н         |          |
| Xylene (p/m)                       | 0.829                   | 0.0250             | u.        | · - 11   | н       | 51           | 11       | 11        |          |
| Xylene (0)                         | 0.133                   | 0.0250             | II.       | μ        | н       | "            | "        | н         |          |
| Surrogate: a,a,a-Trifluorotoluene  |                         | 87.9 %             | 80-       | 120      | "       | "            |          | "         | <u> </u> |
| Surrogate: 4-Bromofluorobenzene    |                         | 96.8 %             | 80-       | 120      | "       | "            | "        | "         |          |
| Gasoline Range Organics C6-C12     | 156                     | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04     | 06/28/04 | EPA 8015M |          |
| Diesel Range Organics >C12-C35     | 984                     | 10.0               | u u       | n        | н       | It           | 11       | u         |          |
|                                    |                         |                    |           |          |         |              |          |           |          |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approved of Emission entry laboratory.

with written approval of Environmental Lab of Texas.

Page 4 of 13

Rice Operating Co. 122 W. Taylor

17 J. 18

Sec. Sec.

S. S. Santa

States a

Hobbs NM, 88240

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

Fax: (505) 397-1471 Reported:

07/01/04 10:20

|                 |                    | Ŧ                 | Org<br>Environm    | ganics l<br>Iental I | •        | exas    | ·        |          |           |       |
|-----------------|--------------------|-------------------|--------------------|----------------------|----------|---------|----------|----------|-----------|-------|
| Analyte         | · · · · ·          | Result            | Reporting<br>Limit | Units                | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
| Bottom Wall Fi  | ield Comp @12' bgs | (4F28001-10) Soil |                    | • <u> </u>           |          |         |          |          |           | ····· |
| Surrogate: 1-Ch | lorooctane         |                   | 96.6 %             | 70-                  | 130      | EF42803 | 06/28/04 | 06/28/04 | ЕРА 8015М |       |
| Surrogate: 1-Ch | lorooctadecane     |                   | 110 %              | 70-                  | 130      | "       | "        | и        | et.       |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 13

Sec. 1

A LEASE AND A

いたのである

C. Carlor

State of the second

1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 -1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 -1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 -

ないない

C. B. C. B.

an ten s

and the

A. Carrier

Statistics.

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

| General Chemistry Parameters by EPA / Standard Methods<br>Environmental Lab of Texas |                         |                          |          |         |          |          |               |      |  |  |
|--|-------------------------|--------------------------|----------|---------|----------|----------|---------------|------|--|--|
| Analyte  | Result                  | Reporting<br>Limit Units | Dilution | Batch   | Prepared | Analyzed | Method        | Note |  |  |
| West Wall Pt #1,2,3,4,5 (4   | F28001-01) Soil         |                          |          |         |          |          |               |      |  |  |
| % Solids   | 89.0                    | %                        | I        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| South Wall Pt #1,2,3,4,5 (   | 4F28001-02) Soil        |                          |          |         |          |          |               |      |  |  |
| % Şolids   | 89.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| East Wall Pt #1,2,3,4,5 (4)  | F28001-03) Soil         |                          |          |         |          |          |               |      |  |  |
| % Solids   | 90.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| North Wall Pt #1,2,3,4,5 (   | 4F28001-04) Soil        |                          |          |         |          |          |               |      |  |  |
| % Solids   | 90.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| Bottom Pt #1,2,3,4,5 @ 12  | " Bgs (4F28001-05) Soil |                          |          |         |          |          |               |      |  |  |
| % Solids   | 90.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| East Wall Field Comp (4F   | 728001-06) Soil         |                          |          |         |          |          |               |      |  |  |
| Chloride   | 383                     | 20.0 mg/kg Wet           | 2        | EF43008 | 06/29/04 | 06/29/04 | SW 846 9253   |      |  |  |
| % Solids   | 89.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| West Wall Field Comp (4  | F28001-07) Soil         |                          |          |         |          |          |               |      |  |  |
| Chloride   | 585                     | 20.0 mg/kg Wet           | 2        | EF43008 | 06/29/04 | 06/29/04 | SW 846 9253   | ••   |  |  |
| % Solids   | 89.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| North Wall Field Comp (4   | 4F28001-08) Soil        |                          |          |         |          |          |               |      |  |  |
| Chloride   | 436                     | 20.0 mg/kg Wet           | 2        | EF43008 | 06/29/04 | 06/29/04 | SW 846 9253   |      |  |  |
| % Solids   | 89.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |
| South Wall Field Comp (4   | 4F28001-09) Soil        |                          |          |         |          |          |               |      |  |  |
| Chloride   | 617                     | 20.0 mg/kg Wet           | 2        | EF43008 | 06/29/04 | 06/29/04 | SW 846 9253   |      |  |  |
| % Solids   | 89.0                    | %                        | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |      |  |  |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirely, with written approval of Environmental Lab of Texas.

Page 6 of 13

Fax: (505) 397-1471 Rice Operating Co. Project: C-4-3 Project Number: None Given 122 W. Taylor Reported: Hobbs NM, 88240 Project Manager: Kristin Farris 07/01/04 10:20

#### General Chemistry Parameters by EPA / Standard Methods

#### Environmental Lab of Texas

| Analyte           |               | Result            | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method        | Notes |
|-------------------|---------------|-------------------|--------------------|-----------|----------|---------|----------|----------|---------------|-------|
| Bottom WW Field C | Comp @12' bgs | (4F28001-10) Soil |                    |           |          |         |          |          |               |       |
| Chloride          |               | 372               | 20.0 n             | 1g/kg Wet | 2        | EF43008 | 06/29/04 | 06/29/04 | SW 846 9253   |       |
| % Solids          |               | 90.0              |                    | %         | 1        | EF42901 | 06/28/04 | 06/28/04 | % calculation |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 13

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

# 

12.12

Service .

and an

TO BELLE

a farmer a

State of the second

A. Sea and

in the second

A COLORADOR

A DESCRIPTION OF

and the second

122.5.7

「ないないない

Paris a

Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

Reported: 07/01/04 10:20

#### Organics by GC - Quality Control Environmental Lab of Texas

| Analyte                              | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD     | RPD<br>Limit | Notes   |
|--------------------------------------|--------|--------------------|-----------|----------------|------------------|------------|----------------|---------|--------------|---------|
| Batch EF42803 - Solvent Extraction ( | (GC)   |                    |           |                |                  | <u> </u>   |                |         |              |         |
| Blank (EF42803-BLK1)                 |        |                    |           | Prepared       | & Analyze        | ed: 06/28/ | 04             |         |              |         |
| Gasoline Range Organics C6-C12       | ND     | 10.0               | mg/kg wet |                |                  |            |                |         |              |         |
| Diesel Range Organics >C12-C35       | ND     | 10.0               | н         |                |                  |            |                |         |              |         |
| Total Hydrocarbon C6-C35             | ND     | 10.0               | н         |                |                  |            |                |         |              |         |
| Surrogate: 1-Chlorooctane            | 37.0   |                    | mg/kg     | 50.0           |                  | 74.0       | 70-130         |         |              |         |
| Surrogate: 1-Chlorooctadecane        | 37.0   |                    | "         | 50.0           |                  | 74.0       | 70-130         |         |              |         |
| LCS (EF42803-BS1)                    | x      |                    |           | Prepared       | & Analyze        | ed: 06/28/ | 04             |         |              |         |
| Gasoline Range Organics C6-C12       | 411    | 10.0               | mg/kg wet | 500            |                  | 82.2       | 75-125         |         |              | ····    |
| Diesel Range Organics >C12-C35       | 424    | 10.0               | н         | 500            |                  | 84.8       | 75-125         |         |              |         |
| Total Hydrocarbon C6-C35             | 835    | 10.0               | 11        | 1000           |                  | 83.5       | 75-125         |         |              |         |
| Surrogate: 1-Chlorooctane            | 48.6   | · · · · ·          | mg/kg     | 50.0           |                  | 97.2       | 70-130         |         |              | <u></u> |
| Surrogate: 1-Chlorooctadecane        | 35.6   |                    | "         | 50.0           |                  | 71.2       | 70-130         |         |              |         |
| Calibration Check (EF42803-CCV1)     |        |                    |           | Prepared       | & Analyze        | ed: 06/28/ | 04             |         |              |         |
| Gasoline Range Organics C6-C12       | 445    |                    | mg/kg     | 500            |                  | 89.0       | 80-120         |         |              |         |
| Diesel Range Organics >C12-C35       | 485    |                    | *1        | 500            |                  | 97.0       | 80-120         |         |              |         |
| Total Hydrocarbon C6-C35             | 930    |                    | U         | 1000           |                  | 93.0       | 80-120         |         |              |         |
| Surrogate: 1-Chlorooctane            | 51.8   |                    | n         | 50.0           |                  | 104        | 70-130         | <u></u> |              |         |
| Surrogate: 1-Chlorooctadecane        | 36.6   |                    | "         | 50.0           |                  | 73.2       | 70-130         |         |              |         |
| Matrix Spike (EF42803-MS1)           | So     | urce: 4F250        | 03-06     | Prepared       | & Analyze        | ed: 06/28/ | 04             |         |              |         |
| Gasoline Range Organics C6-C12       | 533    | 10.0               | mg/kg dry | 538            | ND               | 99.1       | 75-125         |         |              |         |
| Diesel Range Organics >C12-C35       | 576    | 10.0               | u         | 538            | ND               | 107        | 75-125         |         |              |         |
| Total Hydrocarbon C6-C35             | 1110   | 10.0               | "         | 1080           | ND               | 103        | 75-125         |         |              |         |
| Surrogate: 1-Chlorooctane            | 57.1   |                    | mg/kg     | 50.0           |                  | 114        | 70-130         | ·····   |              |         |
| Surrogate: 1-Chlorooctadecane        | 48.6   |                    | "         | 50.0           |                  | 97.2       | 70-130         |         |              |         |
| Matrix Spike Dup (EF42803-MSD1)      | So     | urce: 4F250        | 03-06     | Prepared       | & Analyze        | ed: 06/28/ | 04             |         |              |         |
| Gasoline Range Organics C6-C12       | 517    | 10.0               | mg/kg dry | 538            | ND               | 96.1       | 75-125         | 3.05    | 20           |         |
| Diesel Range Organics >C12-C35       | 577    | 10.0               | U         | 538            | ND               | 107        | 75-125         | 0,173   | 20           |         |
| Total Hydrocarbon C6-C35             | 1090   | 10.0               | u         | 1080           | ND               | 101        | 75-125         | 1.82    | 20           |         |
| Surrogate: 1-Chlorooctane            | 55.3   |                    | mg/kg     | 50.0           |                  |            | 70-130         |         |              |         |
| Surrogate: 1-Chlorooctadecane        | 48.1   |                    | "         | 50.0           |                  | 96.2       | 70-130         |         |              |         |
|                                      |        |                    |           |                |                  |            |                |         |              |         |

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 13

2020

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

#### Organics by GC - Quality Control

Environmental Lab of Texas

| Analyte                           | Result | Reporting<br>Limit | Units     | Spike<br>Level                         | Source<br>Result                       | %REC        | %REC<br>Limits | RPD       | RPD<br>Limit                             | Notes              |
|-----------------------------------|--------|--------------------|-----------|--|--|-------------|----------------|-----------|--|--------------------|
|                                   |        |                    |           |  |  |             |                |           |  |                    |
| Batch EF42907 - EPA 5030C (GC)    |        | ·                  |           | •••••••••••••••••••••••••••••••••••••• |  |             |                | ·····     |  |                    |
| Blank (EF42907-BLK1)              |        |                    |           |  | & Analyze                              | ed: 06/25/0 | 04             |           |  |                    |
| Benzene                           | ND     |                    | mg/kg wet |  |  |             |                |           |  |                    |
| Foluene                           | ND     | 0.0250             | н         |  |  |             |                |           |  |                    |
| Ethylbenzene                      | ND     | 0.0250             | u.        |  |  |             |                |           |  |                    |
| Xylene (p/m)                      | ND     | 0.0250             | н         |  |  |             |                |           |  |                    |
| Xylene (0)                        | ND     | 0.0250             | 8         |  |  |             |                |           |  |                    |
| Surrogate: a,a,a-Trifluorotoluene | 85.6   |                    | ug/kg     | 100                                    |  | 85.6        | 80-120         |           | ·  | ··· <u>····</u> ·· |
| Surrogate: 4-Bromofluorobenzene   | 90,2   |                    | "         | 100                                    |  | 90.2        | 80-120         |           |  |                    |
| LCS (EF42907-BS1)                 |        |                    |           | Prepared:                              | 06/25/04                               | Analyzed    | 1: 06/28/04    |           | -  |                    |
| Benzene                           | 99.8   |                    | ug/kg     | 100                                    |  | 99.8        | 80-120         |           |  |                    |
| Toluene                           | 103    |                    | "         | 100                                    |  | 103         | 80-120         |           |  |                    |
| Ethylbenzene                      | 103    |                    | 11        | 100                                    |  | 103         | 80-120         |           |  |                    |
| Xylene (p/m)                      | 207    |                    | "         | 200                                    |  | 104         | 80-120         |           |  |                    |
| Xylene (o)                        | 105    |                    | 11        | 100                                    |  | 105         | 80-120         |           |  |                    |
| Surrogate: a,a,a-Trifluorotoluene | 101    |                    | "         | 100                                    |  | 101         | 80-120         |           |  |                    |
| Surrogate: 4-Bromofluorobenzene   | 107    |                    | "         | 100                                    |  | 107         | 80-120         |           |  |                    |
| Calibration Check (EF42907-CCV1)  |        |                    |           | Prepared:                              | : 06/25/04                             | Analyzed    | 1: 06/28/04    |           |  |                    |
| Benzene                           | 98.0   |                    | ug/kg     | 100                                    |  | 98.0        | 80-120         | -         |  |                    |
| Toluene                           | 103    |                    | в         | 100                                    |  | 103         | 80-120         |           |  |                    |
| Ethylbenzene                      | 101    |                    | 11        | 100                                    |  | 101         | 80-120         |           |  |                    |
| Xylene (p/m)                      | 202    |                    | 11        | 200                                    |  | 101         | 80-120         |           |  |                    |
| Xylene (o)                        | 101    |                    | н         | 100                                    |  | 101         | 80-120         |           |  |                    |
| Surrogate: a,a,a-Trifluorotoluene | 107    |                    |           | 100                                    |  | 107         | 80-120         |           | ·····                                    |                    |
| Surrogate: 4-Bromofluorobenzene   | 100    |                    | "         | 100                                    |  | 100         | 80-120         |           |  |                    |
| Matrix Spike (EF42907-MS1)        | So     | urce: 4F280        | 01-01     | Prepared                               | : 06/25/04                             | Analyzed    | l: 06/29/04    |           | С. С |                    |
| Benzene                           | 106    |                    | ug/kg     | 100                                    | ND                                     | 106         | 80-120         |           |  |                    |
| Toluene                           | 110    |                    | II        | 100                                    | ND                                     | 110         | 80-120         |           |  |                    |
| Ethylbenzene                      | 109    |                    | ŧt        | 100                                    | ND                                     | 109         | 80-120         |           |  |                    |
| Xylene (p/m)                      | 218    |                    | п         | 200                                    | ND                                     | 109         | 80-120         |           |  |                    |
| Xylene (o)                        | 107    |                    | n         | 100                                    | ND                                     | 107         | 80-120         |           |  |                    |
| Surrogate: a,a,a-Trifluorotoluene | 109    |                    | <i>ii</i> | 100                                    | ······································ | 109         | 80-120         | · · · · · |  |                    |
| Surrogate: 4-Bromofluorobenzene   | 104    |                    | "         | 100                                    |  | 104         | 80-120         |           |  |                    |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 13

24.50

and the

A ALA

a state

A MARINE

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

#### 07/01/04 10:20

#### Organics by GC - Quality Control

#### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units        | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|--------------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch EF42907 - EPA 5030C (GC)    |        | - <u></u>          |              |                |                  |            |                |      |              |       |
| Matrix Spike Dup (EF42907-MSD1)   | Sou    | rce: 4F280         | 01-01        | Prepared:      | 06/25/04         | Analyzed   | : 06/29/04     |      |              |       |
| Benzene                           | 100    |                    | ug/kg        | 100            | ND               | 100        | 80-120         | 5.83 | 20           |       |
| Toluene                           | 104    |                    | 11           | 100            | ND               | 104        | 80-120         | 5.61 | 20           |       |
| Ethylbenzene                      | 104    |                    | u            | 100            | ND               | 104        | 80-120         | 4.69 | 20           |       |
| Xylene (p/m)                      | 209    |                    | u            | 200            | ND               | 104        | 80-120         | 4.69 | 20           |       |
| Xylene (0)                        | 107    |                    | n            | 100            | ND               | 107        | 80-120         | 0.00 | 20           |       |
| Surrogate: a,a,a-Trifluorotoluene | 102    |                    |              | 100            |                  | 102        | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 110    |                    | n            | 100            |                  | 110        | 80-120         |      |              |       |
| Batch EG40101 - EPA 5030C (GC)    |        |                    |              |                |                  |            |                |      |              |       |
| Blank (EG40101-BLK1)              |        |                    |              | Prepared       | & Analyz         | ed: 06/29/ | 04             |      |              |       |
| Benzene                           | ND     | 0.0250             | mg/kg wet    |                |                  | ·          |                |      |              |       |
| Toluene                           | ND     | 0.0250             | н            |                |                  |            |                |      |              |       |
| Ethylbenzene                      | ND     | 0.0250             |              |                |                  |            |                |      |              |       |
| Xylene (p/m)                      | ND     | 0.0250             | "            | 1              |                  |            |                |      |              |       |
| Xylene (0)                        | ND     | 0.0250             |              |                |                  |            |                |      |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 91.9   |                    | ug/kg        | 100            | ·                | 91.9       | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 101    |                    | "            | 100            |                  | 101        | 80-120         |      |              |       |
| LCS (EG40101-BS1)                 |        |                    |              | Prepared       | & Analyz         | ed: 06/29/ | 04             |      |              |       |
| Benzene                           | 96.3   |                    | ug/kg        | 100            |                  | 96.3       | 80-120         |      |              |       |
| Toluene                           | 102    |                    | н            | 100            |                  | 102        | 80-120         |      |              |       |
| Ethylbenzene                      | 103    |                    | 41           | 100            |                  | 103        | 80-120         |      |              |       |
| Xylene (p/m)                      | 205    |                    | u            | 200            |                  | 102        | 80-120         |      |              | -     |
| Xylene (0)                        | 104    |                    | n            | 100            |                  | 104        | 80-120         | •    |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 94.4   |                    | n            | 100            |                  | 94.4       | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 104    |                    | · <i>1</i> / | 100            |                  | 104        | 80-120         |      |              |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 13

121212

物物的

20.000

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

Fax: (505) 397-1471 Reported: 07/01/04 10:20

#### Organics by GC - Quality Control

#### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Notes    |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|----------|
| Batch EG40101 - EPA 5030C (GC)    |        |                    |       |                |                  |          |                |       |              |          |
| Calibration Check (EG40101-CCV1)  |        |                    |       | Prepared:      | 06/29/04         | Analyzed | 1: 06/30/04    |       |              |          |
| Benzene                           | 86.1   |                    | ug/kg | 100            |                  | 86.1     | 80-120         |       |              |          |
| Toluene                           | 90.0   |                    | 19    | 100            |                  | 90.0     | 80-120         | •     |              |          |
| Ethylbenzene                      | 92.0   |                    | 11    | 100            |                  | 92.0     | 80-120         |       |              |          |
| Xylene (p/m)                      | 184    |                    | н     | 200            |                  | 92.0     | 80-120         |       |              |          |
| Xylene (o)                        | 97.8   |                    | 11    | 100            |                  | 97.8     | 80-120         |       |              |          |
| Surrogate: a,a,a-Trifluorotoluene | 89.9   |                    |       | 100            |                  | 89.9     | 80-120         |       |              | <u> </u> |
| Surrogate: 4-Bromofluorobenzene   | 98.3   |                    | "     | 100            |                  | 98.3     | 80-120         |       |              |          |
| Matrix Spike (EG40101-MS1)        | Sou    | rce: 4F2800        | )1-07 | Prepared:      | 06/29/04         | Analyzed | l: 06/30/04    |       |              |          |
| Benzene                           | 90.7   |                    | ug/kg | 100            | ND               | 90.7     | 80-120         |       |              | <u> </u> |
| Toluene                           | 95.6   |                    | 11    | 100            | ND               | 95.6     | 80-120         |       |              |          |
| Ethylbenzene                      | 98.6   | • •                | п     | 100            | ND               | 98.6     | 80-120         |       |              |          |
| Xylene (p/m)                      | 198    |                    | n     | 200            | ND               | 99.0     | 80-120         |       |              |          |
| Xylene (o)                        | 100    |                    | 17    | 100            | ND               | 100      | 80-120         |       |              |          |
| Surrogate: a,a,a-Trifluorotoluene | 94.6   |                    | n     | 100            | ··,              | 94.6     | 80-120         |       |              |          |
| Surrogate: 4-Bromofluorobenzene   | 102    |                    | n     | 100            |                  | 102      | 80-120         |       |              |          |
| Matrix Spike Dup (EG40101-MSD1)   | Sou    | irce: 4F2800       | )1-07 | Prepared:      | 06/29/04         | Analyzed | 1: 06/30/Ó4    |       |              |          |
| Benzene                           | 90.0   |                    | ug/kg | 100            | ND               | 90.0     | 80-120         | 0.775 | 20           |          |
| Toluene                           | . 94.4 |                    | u     | 100            | ND               | 94.4     | 80-120         | 1.26  | 20           |          |
| Ethylbenzene                      | 97.2   |                    | н     | 100            | ND               | 97.2     | 80-120         | 1.43  | 20           |          |
| Xylene (p/m)                      | 195    |                    | u     | 200            | ND               | 97.5     | 80-120         | 1.53  | 20           |          |
| Xylene (0)                        | 101    | . 🗕                | 0     | 100            | ND               | 101      | 80-120         | 0.995 | 20           |          |
| Surrogate: a,a,a-Trifluorotoluene | 92.9   |                    |       | 100            |                  | 92.9     | 80-120         |       |              |          |
| Surrogate: 4-Bromofluorobenzene   | 107    |                    | "     | 100            |                  | 107      | 80-120         |       |              |          |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Rice Operating Co.                  | <u> </u>    | Project: C-        | 4-3          |           | ······      |           |        | Fax: (505) | 397-147 |
|-------------------------------------|-------------|--------------------|--------------|-----------|-------------|-----------|--------|------------|---------|
| 122 W. Taylor                       | ]           | Project Number: No | one Given    |           |             |           |        | Repo       | rted:   |
| Hobbs NM, 88240                     | P           | roject Manager: Ki | istin Farris |           |             |           |        | 07/01/0    | 4 10:20 |
| General Chemis                      | stry Parame | eters by EPA /     | Standar      | d Meth    | ods - Q     | Quality ( | Contro | 1          |         |
|                                     | Er          | wironmental I      | Lab of T     | exas      |             |           |        |            |         |
|                                     |             | Reporting          | Spike        | Source    |             | %REC      |        | RPD        |         |
| Analyte                             | Result      | Limit Units        | Level        | Result    | %REC        | Limits    | RPD    | Limit      | Notes   |
| Batch EF42901 - General Preparation | ı (Prep)    |                    |              |           |             |           |        |            |         |
| Blank (EF42901-BLK1)                |             |                    | Prepared     | & Analyze | ed: 06/28/0 | 04        |        |            |         |
| % Solids                            | 100         | %                  |              |           |             |           |        | ·····      |         |
| Duplicate (EF42901-DUP1)            | Sour        | ce: 4F28001-01     | Prepared     | & Analyze | ed: 06/28/0 | 04        |        |            |         |
| % Solids                            | 89.0        | %                  |              | 89.0      |             |           | 0.00   | 20         |         |
| Batch EF43008 - Water Extraction    |             |                    |              |           |             |           |        |            |         |
| Blank (EF43008-BLK1)                |             |                    | Prepared     | & Analyze | ed: 06/29/  | 04        |        |            |         |
| Chloride                            | ND          | 20.0 mg/kg We      | t            |           |             |           |        | ······     |         |
| Matrix Spike (EF43008-MS1)          | Sour        | ce: 4F28001-06     | Prepared     | & Analyze | ed: 06/29/0 | 04        |        |            |         |
| Chloride                            | 851         | 20.0 mg/kg We      | t 500        | 383       | 93.6        | 80-120    |        |            |         |
| Matrix Spike Dup (EF43008-MSD1)     | Sour        | ce: 4F28001-06     | Prepared     | & Analyze | ed: 06/29/  | 04        |        |            |         |
| Chloride                            | 830         | 20.0 mg/kg We      | t 500        | 383       | 89.4        | 80-120    | 2.50   | 20         | ·       |
| Reference (EF43008-SRM1)            |             |                    | Prepared     | & Analyze | ed: 06/29/  | 04        |        |            |         |
| Chloride                            | 5210        | mg/kg              | 5000         |           | 104         | 80-120    |        |            |         |

| ab of Texas |
|-------------|
|             |

arichments

Sec. 10

のなめ

Statistics of the

and the second

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| 122 W. <sup>'</sup> | erating Co.<br>Taylor<br>NM, 88240  | Project: C-4-3<br>Project Number: None Given<br>Project Manager: Kristin Farris       | Fax: (505) 397-14<br>Reported:<br>07/01/04 10:20 |
|---------------------|---|---|--|
|                     |   | Notes and Definitions   |  |
| S-04                | The surrogate recovery for t  | his sample is outside of established control limits due to a sample matrix effective  | ct.  |
| J                   | Detected but below the Rep  | orting Limit; therefore, result is an estimated concentration (CLP J-Flag).           |  |
| DET                 | Analyte DETECTED  |   |  |
| ND                  | Analyte NOT DETECTED at   | or above the reporting limit  |  |
| NR                  | Not Reported  |   |  |
| dry                 | Sample results reported on a d  | ry weight basis   |  |
| RPD                 | Relative Percent Difference   |   |  |
| LCS                 | Laboratory Control Spike  |   |  |
| MS                  | Matrix Spike  |   |  |
| Dup                 | Duplicate   |   |  |
|                     |   |   |  |
|                     |   |   |  |
|                     |   |   |  |
| Repo                | rt Approved By: Ral   | and K Jule Date: 7-01-04  |  |
| Celey               | nd K. Tuttle, QA Officer<br>/ D. Keene, Lab Director, On<br>ne Mc Murrey, Inorg. Tech I |   |  |
|                     | material is intended only for<br>mation that is privileged and                          | the use of the individual (s) or entity to whom it is addressed, and ma confidential. | y contain  |
| If you              | u have received this materia  | in error, please notify us immediately at 432-563-1800.                               |  |

Environmental Lab of Texas

Sec. Sec.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 13 of 13

|                                  | ٢  | 1                  | 1            | }                | }               |                   |                    |         |                     | ſ            | ſ <u></u>  | TAT bar                    | pueis                       |                  |        |         |          |          |          |               |          |              |                          |                  |                  |             |   |
|----------------------------------|--|--------------------|--------------|------------------|-----------------|-------------------|--------------------|---------|---------------------|--------------|------------|----------------------------|-----------------------------|------------------|--------|---------|----------|----------|----------|---------------|----------|--------------|--------------------------|------------------|------------------|-------------|---|
|                                  |  |                    |              |                  |                 |                   |                    |         |                     |              | (əinbərio2 | -919) TAT (<br>7.11        | -                           |                  |        |         |          |          |          |               |          |              |                          |                  |                  |             |   |
| _                                |  |                    |              |                  | ĺ               |                   |                    |         |                     |              |            |                            |                             |                  |        |         |          |          |          |               | _        |              |                          |                  |                  |             |   |
|                                  | EST  | [                  |              |                  | ł               |                   |                    | ·       |                     |              |            |                            |                             |                  |        |         |          |          |          | $\rightarrow$ |          |              |                          |                  |                  |             |   |
|                                  | EQUI   | ,                  |              |                  | Į               |                   |                    | +       |                     |              |            |                            |                             |                  |        |         |          | -+       |          |               | +        |              |                          |                  |                  |             |   |
| 2                                | IS R   |                    | {            |                  |                 |                   |                    |         |                     |              |            |                            |                             |                  |        |         |          |          |          |               |          |              |                          |                  |                  |             |   |
|                                  | 5./ 7 b                                      |                    |              | {                |                 |                   |                    |         |                     |              |            |                            |                             |                  |        |         |          |          |          |               |          |              |                          | 123              | 2                | 1           |   |
|                                  | AN.  | Ņ                  | {            |                  |                 |                   |                    | Analyze | $\left\{ -\right\}$ |              |            | : 80518/5030               |                             |                  |        |         | {        |          |          |               |          | -            |                          | Fon Recent       | , t<br>a         |             |   |
|                                  | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST | 7                  |              | 0                | 5               |                   |                    | - An    |                     |              |            | 28                         | ifeloV                      |                  |        |         |          |          |          |               |          |              | Sample Captanets Interes |                  |                  | 1           |   |
|                                  | CORC   | Ś                  |              | S                | 3               |                   |                    |         |                     | ₽S           |            | ) 68 QA 2A ;2              |                             |                  |        |         |          |          |          |               | _        |              | e Car                    | peratur<br>Maran | <u>ک</u> ر ک     | ۱<br>۲      |   |
|                                  | ' REC  | ļ                  | 44<br>44     | [                |                 |                   |                    | TCLP    | TOTAL:              |              |            | a001/2001 XT<br>からおら Mさ108 |                             |                  |        |         |          |          |          |               |          |              |                          | empe<br>atre     | , <b>`</b> e     | •           |   |
|                                  | laor   | Project Nane:      | Project #:   | Project Lac:     | :# 0d           |                   |                    |         |                     |              |            | 1.816                      |                             |                  |        |         |          | -+       |          |               | -+-      |              |                          | <u> </u>         | <u>1</u> ~       | <u></u>     |   |
|                                  | cns.   | ject               | Pro          | rajec            |                 |                   |                    |         |                     |              | 3          | EI AAR I D                 | / SQ1                       |                  |        |         |          |          |          |               |          |              |                          | XUUS .           | Time             | Sin         | 7hne<br><b>D 20</b> 4   |
|                                  | 1 OF   | Рго                |              | ц                |                 |                   |                    |         |                     |              |            | (sbecily):                 |                             |                  |        |         |          |          |          |               |          |              |                          | 2 X Q            | <u>' </u>        |             |   |
|                                  | HAIN   |                    |              |                  |                 |                   |                    |         |                     | Malrix       |            |                            | 0pnis                       | ×                | - X    | X       |          | <u> </u> | 7        | ×             | 4        | X            | 겍칭                       | 410              |                  | 3           | 70  |
|                                  | C  |                    | 1            |                  |                 |                   |                    |         |                     |              |            |                            | aleW                        |                  |        |         |          |          |          |               |          | +            | - `                      | Kun BIFKOUN      | Date             | 7           | bale<br>62604   |
| 2                                |  |                    |              |                  |                 |                   |                    |         |                     |              |            | ( Specify)                 | Olher                       |                  |        |         |          |          |          |               |          |              | $\Box$ ,                 | ÷ ÷              |                  | 9           | <u> </u>  |
|                                  |  |                    |              |                  |                 |                   |                    |         |                     | e.           |            | ·                          | enoN                        |                  |        |         |          |          |          |               |          |              |                          |                  | 2                |             |   |
|                                  |  |                    |              |                  | ļ               |                   |                    |         |                     | Preservative |            |                            | 05'H                        |                  |        |         |          |          |          | +             |          |              |                          |                  | 1.               |             |   |
|                                  |  |                    |              | -                |                 |                   |                    |         |                     | Prese        |            |                            | нсі                         |                  |        |         |          |          |          |               |          |              |                          | , - <u>†</u> ,   | -                |             |   |
| <b>(</b> )                       |  |                    |              |                  |                 |                   |                    |         |                     |              |            |                            | ONH                         |                  |        |         |          |          |          | _             |          |              |                          | ot or to         |                  |             |   |
|                                  |  |                    |              |                  |                 |                   |                    |         | 1                   |              |            |                            | 90                          | ×                |        |         | <u> </u> | <u>×</u> | <u>×</u> |               | <u>×</u> | 쑤            | _                        |                  | र्य              | 1           | $\langle \rangle$   |
|                                  |  |                    |              | {                |                 |                   |                    |         |                     |              | S          | neniainer                  | 0.0N                        | -                |        | 1       | 7        | 1        |          | 4             | -        |              |                          |                  | L                |             |   |
|                                  |  |                    |              |                  |                 | Fax No:           |                    |         |                     |              |            | E                          | LVO                         | 104              | 104    | 6/22/04 | 6/22/01  | 422/a    | porzz po | 10/22/01      | 422/04   | 40122)9      | 122104                   | 11. ,            | *                | {           | Į,  |
|                                  |  |                    | ĺ            |                  |                 | Ľ,                |                    |         |                     |              | <b>w</b> . | balqms2 «                  | <del>míT</del>              | 1221             | 622/04 | 22      | 2        | 2        | 2        | 2             | 23       | C            | 1<br>1                   |                  | 2<br>1           | 2           | -رح<br>د  |
| <b>S</b>                         |  |                    |              |                  | 40              |                   |                    |         |                     | ļ            |            |                            |                             | Ó                | Ø      | 6       | 9        |          | 9        | 9             | <u> </u> | 3            |                          | 2                |                  | J.          | 101   |
|                                  |  |                    |              |                  | 1               |                   |                    |         |                     |              |            | 3                          | در ۱                        | 0                | 0      | 0       | 0        | ٥        | 30       | d             | 30       | 30           | 30                       | ルトレ              |                  | 6           | A B   |
|                                  |  |                    |              |                  | 88              |                   |                    |         |                     |              |            | balqma2                    | <del>olaG-</del>            | 11 40            | 1:40   | 11 40   | 1:40     | 1:40     | 5        | :30           | 5        | 5            | M .                      |                  | - C.             | J           | eve<br>Neve   |
|                                  |  |                    |              | 100              |                 |                   |                    |         |                     |              |            |                            |                             | ~                | /      | ~       | $\sim$   |          | 4        | $\downarrow$  |          | $\downarrow$ |                          |                  | Recei            |             | Received in the second |
| ີ 🛛 🖉                            |  | ~                  | . 3          | lay (            | -               |                   |                    |         | -                   |              |            |                            |                             |                  |        |         |          |          |          |               |          |              |                          |                  |                  |             | · {   |
| л<br>Х                           | Phone: 915-563-1800<br>Fax: 915-563-1713     | Facris             | Operative    | 10               |                 | 3-                | $\backslash$       |         |                     |              |            |                            |                             |                  |        |         |          | -        | - 5      | ч<br>#  :     |          |              | 2                        | ا<br>-           | Lime             |             | Time  |
| ିତ                               | 563-   | 1,0                | ğ            |                  | Z               | 174               | P                  |         |                     |              |            | •                          |                             | ~                | ~      | M       | нЧ       | $\sim$   |          |               |          |              |                          |                  | ז∱<br>ק          |             |   |
|                                  | 915-<br>915-                                 |                    | 2            | , Z              | 2               | - 9               | frees              |         |                     |              |            |                            | щ                           | <br>#            | 4 Z    |         |          |          | व        | đ             | ť        | 9            | ť                        | ۲<br>-           | Date             | 6/22/04     | Date 6/24/04  |
|                                  | one:<br>ax:                                  | · 2                | 0            |                  |                 | 393               | S                  |         |                     |              |            |                            | FIELD CODE                  | Ρ <del>1</del> . | 9      | Ę       | 94.      | さ        | ڊ_       | ٢             | ~        | 2            | 1                        | <i>₩</i>         | 3                | 5/2         | 6/21  |
| _ ∎a                             | 44 7   | ristin             |              |                  | Hobbs           | 'n                | J                  |         |                     |              |            |                            | IELD                        | 9                |        |         | UALL     | UALL     | WALL     | WALL          | WALL     | WALL         | MALL                     | Y'Y'             | 3                |             |   |
| تے                               |  | 11                 | Rice         | 122.             | 0               | 10                | 0                  |         |                     |              |            |                            | щ                           | 1100             | UALL   | UAU     | Э        | Š        |          |               | ۲        |              | }                        | -                | 3                | Ì           |   |
| ਸ                                |  | 2                  | Z            | ~                | H               | 50                |                    |         |                     |              |            |                            |                             | 1 1              | يد ا   |         |          | -+-      | 쇠        | 4             | F        | AF.          | F                        |                  | z                | ·           |   |
| نېنى<br>                         |  | 5                  | Tie          | 12:52            | <u>,ä</u> .     | Telaphone No: 505 | ية<br>ال           |         |                     |              |            |                            |                             | West             | West   | Uest    | Uost     | West     | South    | South         | South    | Serith       | South                    |                  | 3                |             |   |
| 16<br>I                          |  | . Project Manager: | Company Name | Company Address: | Gity/State/Zip: | ле М              | Sampler Signature: |         |                     | :            |            |                            |                             | []               | 3      | C       | ار       | 3        | 2        | $\sim$        | S        | Ś            | S                        |                  | 1.               | F           | L   |
|                                  | East<br>'9762                                | ict Me             | luedr        | ny Ac            | ty/Sta          | Japho             | r Sig              |         |                     |              |            |                            | ţĄ                          | -                |        |         |          |          | N        |               |          |              | 50                       |                  | H                | XX          |   |
| Ō                                | 1-20<br>Xas 7                                | Proje              | Соп          | npa              | C               | نه<br>{           | mple               |         |                     |              |            | ğ                          | Hộ Đị                       | Q                |        |         |          |          | 20       |               |          |              | ctio                     |                  | d in             | R           |   |
| E                                | West<br>a, Te:                               |                    |              | ů                |                 |                   | Sa                 |         |                     | i            |            | 00<br>20                   | iah tr                      |                  |        |         |          |          | ŧ,       |               |          |              | lnstr                    |                  | 2 Parts          | ,<br>,<br>, | lished by   |
| <b>10</b>                        | 12600 West I-20 East<br>Odessa, Texas 79763  |                    |              |                  |                 |                   |                    |         |                     |              |            | AL BOOL                    | T -<br>LAB # liab tise chiv |                  |        |         |          |          |          |               |          |              | Special Instructions:    |                  | Relinquished by: |             | Relinetti   |
| Elivironmental Lab of Texas, Inc | 12   |                    |              |                  |                 |                   |                    |         |                     |              |            | <u> </u>                   | <u> </u>                    |                  |        |         |          |          |          |               |          |              | 2                        | L<br> <br>       | R.               | ]           | <u>a</u>  |
|                                  |  |                    |              |                  |                 |                   |                    |         |                     |              |            |                            |                             |                  |        |         |          |          |          |               |          |              |                          |                  |                  |             |   |

p.2

|                        | ų,   |                  |                       |                  |                 |               |                    |              |       |              |           |                          |                       |          |         |             |          | ÷           |            |          |      |                |   |                             |              |                     |
|------------------------|--|------------------|-----------------------|------------------|-----------------|---------------|--------------------|--------------|-------|--------------|-----------|--------------------------|-----------------------|----------|---------|-------------|----------|-------------|------------|----------|------|----------------|---|-----------------------------|--------------|---------------------|
|                        |  |                  |                       |                  |                 |               |                    |              |       |              | (əlubəric | 2-919) TA<br>TAT         | T HSUR                | +        |         |             |          |             |            |          |      |                |   | -                           |              |                     |
|                        | 57   |                  |                       |                  |                 |               |                    |              |       | <sup>1</sup> |           |                          |                       |          |         |             |          |             |            |          |      |                | z   |                             |              |                     |
|                        | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST                 |                  |                       |                  |                 |               |                    |              |       |              |           |                          |                       |          |         |             |          |             |            |          |      |                | 7   |                             |              |                     |
|                        | IAL Y'SIS  | 5                |                       |                  |                 |               |                    |              | <br>T |              |           | 0602/812                 | 08 X316               |          |         |             |          |             |            |          |      |                | tact?<br>ecept                                      | tenis:<br>2. <del>a</del> . | <u>ر</u>     |                     |
|                        | AND AI   | 4.               |                       | 0                | 505             |               |                    | Analyze For: |       | -            |           |                          | zelitsloV<br>utovimeZ |          |         |             |          |             |            |          |      |                | Sample Contanets Infact?<br>Temperature Uron Recept | <b>1</b>                    | ן.<br>ט<br>י |                     |
|                        | анор.  | 5                |                       | BL               | 5               |               |                    |              |       | əg           |           | 10/090 M8<br>b0 68 gA 2/ |                       |          |         |             |          |             |            |          |      |                | Sample Cort<br>Lemparature                          | ratory.                     | ş            |                     |
|                        | OY RE  | ne:<br>/         | 1<br>1<br>1<br>1<br>1 | :20              | PO #:           |               |                    | ļ            | TOTAL |              |           | 9001/5000                |                       | <u> </u> |         |             |          |             | _          |          |      |                |   | Apr                         | <u> </u>     |                     |
| 1 Alexandre            | lotsi  | Project Name:    | Firoject #:           | Project Loc:     | Ъ.              |               |                    |              |       |              |           | 0319421                  | 10 / SQ1              |          |         |             |          |             |            |          |      |                |   | ۲<br>۳                      | 68           | l'hrie<br>1905:     |
|                        | JF CL  | Proje            | μ.                    | Pro              |                 |               | 1                  |              |       |              |           |                          | ds) JadiO             |          |         |             |          |             |            |          |      |                | Ń   | U LEX ON                    | 5 Pm         | amit<br>2809        |
|                        | IAIN 0   |                  |                       |                  |                 |               |                    |              |       | Matrix       |           |                          | lios                  | X        | ×       | X           | ×        | x           | ××         | ×        | ×    | X              | t   | 3                           | 7            | ************        |
|                        | ά  | ]                |                       | 1                | 1               | 1             | ĺ                  |              |       | 2            |           |                          | 90bul2                | <u> </u> |         |             |          |             |            |          |      |                |   | 545<br>Date                 | 120/0        | Dale<br>E-ZE-VE     |
|                        |  |                  |                       |                  |                 |               |                    |              |       | $\square$    |           | οεςίψ)                   | Olher ( S             |          |         |             |          |             |            |          |      |                |   |                             | 2            | <i></i>             |
|                        |  |                  |                       |                  |                 |               |                    |              |       | īve.         |           |                          | Anne<br>Vone<br>H;SO, |          |         |             |          |             |            |          |      |                |   | 1                           | •            |                     |
|                        |  |                  |                       |                  |                 |               |                    |              |       | Preservative |           | ·                        | HOPN                  |          |         |             |          |             |            |          |      |                |   | fr                          |              |                     |
|                        |  |                  |                       |                  |                 |               |                    |              |       | Pre          |           |                          | НСІ<br>НИО'           |          |         |             |          |             |            |          |      |                | -   | 1/11/1                      |              |                     |
|                        |  |                  |                       |                  |                 |               |                    |              |       |              |           |                          | eol                   | ×        | ×       | ×           | X        | ×           | XX         | ×        | ×    | X              | -   | 202                         | 1            | (                   |
|                        |  |                  |                       |                  |                 |               |                    |              |       |              |           | entainers                | No. of C              | -        | ~       | -           |          | -+          |            | -        | ~    |                |   | te v                        |              | -2°0                |
|                        |  |                  |                       |                  | 0               | Fax No:       |                    |              |       |              |           | pəldm                    | i2 emiT.              | 1:00     | 00 il   | 00:1        | 1:00     | 00:         | a11)       | 1.10     | 0111 | 11 10          |   | Composite WorthWALL         | hin          | 1.<br>L & K         |
|                        | 5  |                  |                       |                  | 8824            |               |                    |              |       |              |           | pəldur                   | e2 ete0               | 6/22/04  | PO/ZZ/9 | 6/22/04     | Ha/ZZ/01 |             | 40/22/04   | 6/22 loy |      |                | -   | Received by:                | CDI          | A C C C             |
|                        |  |                  | 52                    | y loc            |                 |               |                    |              |       |              |           |                          |                       | à        | 6       | 6           | 0        | <i>[9]</i>  | عق         | é        | و    | و              | Ċ   | 15 TEX                      |              |                     |
|                        |  | Facris           | priatin               | ,<br>Tay         | Z               | 74            | T                  |              |       |              |           |                          |                       |          |         |             | F<br>F   | - НС<br>-   | - 2        | H3       | 1 .  | t. #5          | c   | Kun BTEX<br>Time Rece       |              | Time                |
| 1995 -<br>u            | 9 (5-5<br>9 15-5   | H.               | 5                     | J.               | 2               | 6,            | Å                  |              |       |              |           |                          | Ë                     | 7        | 47      | <b>H</b>    |          | <del></del> | # #<br># # | đ        | d    | bt             |   | 3 4 5<br>Dale               | 5/04         | Dale<br>6/2 C / J 4 |
| )<br>ک                 | D U<br>Phone:<br>Fax:  | tin              | 0                     |                  | S               | 393           | Sug                | 2            |       |              |           |                          | FIELD CODE            | Pł.      |         | L Pt.       |          | ~           | - {        |          | 1 1  | U ALL<br>U ALL |   | M<br>M                      | 6/25/04      | 0/Z/0               |
|                        | ส์ -   | 151              | Rice                  | 122.             | Hobbs           |               | $\bigcirc$         | K            |       |              |           |                          |                       | JALL     | L)ALL   | MALL        | WEL      | MALL        | 11411      | 1JAL1    | 3    |                | t   | 1.<br>1.                    |              |                     |
|                        | ō  | $\checkmark$     | 1<br>V                | 2                | Ŧ               | 505           | /                  |              | 2     |              |           |                          |                       |          |         |             |          |             |            | 1        |      | 4              |   | H<br>H                      |              |                     |
| ب النق <b>ي</b> ة<br>ب |  | er:              | )<br>Ĕ                | SS:              | -<br>jb:        | , i<br>P      | re:                |              |       |              | ł         |                          |                       | East     | E ast   | т<br>Ц<br>Ц | Fast     | Fast        | North      | NUSTH    | NHON | Nerth          |   | Fast WALL                   |              | l (                 |
|                        | a na   | Denel            | is Nai                | Addre            | City/State/Zip: | l anor        | gnatu              |              |       |              |           |                          |                       |          |         | \L          | 114      | Ш:          | ≥] 2       |          | 2    | 4              |   | to<br>to                    | Ł            |                     |
|                        | 0 Eas<br>0 Eas<br>: 7976                                     | Project Manager: | Company Name          | Company Address: | city/S          | Telephone No: | Sampler Signature: |              |       |              |           |                          | õ §                   | 103      | 1       |             |          |             | 5          |          |      |                | tions:  | 4                           | R            |                     |
| <b>.</b>               | ILC<br>ILC<br>Iexas  | Pro              | ្ថ័                   | Com              |                 | ,             | Samp               |              |       |              |           |                          | ů<br>N                | Ĭ        |         |             |          |             | 1          |          |      |                | ารไรบด  | 150C                        | 5            | red by              |
|                        | ENVIFONMENLAI<br>12600 West 1-20 East<br>Odessa, Texas 79763 |                  |                       |                  |                 |               |                    |              |       |              |           |                          | # F2 800/             |          |         |             |          |             |            |          |      |                | Special Instructions:                               | Relinguished by:            | 3            | Relingfished by.    |
|                        |  |                  |                       |                  |                 |               |                    |              |       |              |           |                          | 7                     | i        |         |             |          |             |            |          |      |                | Spe   | Reli                        | :<br>        | Reli                |
|                        |  |                  |                       |                  |                 |               |                    |              |       | ,            | ,         |                          |                       |          |         |             |          |             | ÷          |          |      |                |   |                             |              |                     |

P.2

TAT bisbrist (slubsdoz-erg) TAT H2UR Z, CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST 5 emperature Upon Recerpt Sample Contanets Intact? Analyze For aboratory Comments 0000/81208 X3T8 X X 14 2 m selijalovimač 505 Sehielov Project Loc: BDMetals: As Ag Ba Cd Cr Pb Hg Se Project Name: 🤇 TCLP: TOTAL: X ORGIORO MEIROB HAT X X X X CALCULATION OF A DESCRIPTION OF A DESCRI PO #: Project #: 3001/2001 XT H9T 1.814 H91 2000 Spin Time a DE CLASAR IEC × × X <u>ل</u>ع K Constant of the second Olher (specify): 6-2604 Matrix X lia2 х X X ¥, А  $\star$ А × 6/05/14 eGpniS Date 1)ale valet Other ( Specify) enoN Preservalive 'os'H HOBIN ЮH BTEX ONLI <sup>i</sup>ONH X 90 X × × X X A X X No. of Containers Fax No: 23.25.25 04:10 1:20 1:20 1:20 20 1:20 1:20 1: 05 1:30 balqms2 amiT 1.10 88240 ID Battom Field Comp. at 12 bys lol 22104 Run 6/22/04 4012 2/04 4/22/04 4122101 6/22104 6122104 6/22/04 6/22/04 6/22/04 Received by balqms2 ats0 Environmental Lab of Texas, Inc. 100 Operating 6/24 /07 8 Am 2 12 Las at 12 bas 2+12 bas Como. 12 24/21 22 COM0 Time J Ĩ, Comp Phone: 915-563-1800 Fax: 915-563-1713 Farris Como 393-9174 12 495 N N 6/25/04 Date M T H2 2 T T Frelc where Field 100 Field NĦ -Ħ Dale' FIELD CODE d t Kristin +4 Hobbs 44 4 t NALL MALL 30+40m RICE Ħ West WHLL 122. Bo Hom Bottom đ Bottom Telephone No: 505 Bottom NFurds North East Project Manager: Jo 44. Company Name City/State/Zip: Company Address: Sampler Signature: omposite CN Wer Odessa, Texas 79763 - 087 60-00 12600 West I-20 East -0**0** Special Instructions: **1**00-AB # (|ab the dilly] 4p2800 ⊰alinquis∦ed by ¥ Relinquish , M ÷

P.2



PHONE (325) 673-7001 . 2111 BEECHWOOD · ABILENE, TX 79603

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY RASCON 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471



CI\*

Receiving Date: 07/06/04 Reporting Date: 07/08/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD

Sec. Sec.

and the

Sampling Date: 07/01/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

GRO DRO  $(C_6 - C_{10})$  $(>C_{10}-C_{28})$ (mg/Kg) (mg/Kg)(mg/Kg)

LAB NUMBER SAMPLE ID

| ANALYSIS DATE               | 07/06/04                              | 07/06/04 | 07/06/04 |
|-----------------------------|---------------------------------------|----------|----------|
| H8879-1 REMD. BACKFILL      | <10.0                                 | 414      | 289**    |
|                             | · · · · · · · · · · · · · · · · · · · |          |          |
| Quality Control             | 778                                   | 819      | 1000     |
| True Value QC               | 800                                   | 800      | 1000     |
| % Recovery                  | 97.3                                  | 102      | 100      |
| Relative Percent Difference | 12.4                                  | 10.8     | 2.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB \*Analyses performed on 1:4 w:v aqueous extracts. \*\*Matrix interference (color) observed.

Cophi

8104

H8879A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, atilitates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY RASCON 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 07/06/04 Reporting Date: 07/08/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD Sampling Date: 07/01/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

| LAB NUMBER SAMPLE ID                  | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg)           |
|---------------------------------------|--------------------|--------------------|-----------------------------|---------------------------------------|
| ANALYSIS DATE                         | 07/08/04           | 07/08/04           | 07/08/04                    | 07/08/04                              |
| H8879-1 REMD. BACKFILL                | < 0.005            | <0.005             | <0.005                      | <0.015                                |
| · · · · · · · · · · · · · · · · · · · |                    |                    |                             | · · · · · · · · · · · · · · · · · · · |
| Quality Control                       | 0.106              | 0.102              | 0.091                       | 0.091                                 |
| True Value QC                         | 0.100              | 0.100              | 0.100                       | 0.300                                 |
| % Recovery                            | 106                | 102                | 91.2                        | 90.5                                  |
| Relative Percent Difference           | 2.0                | 3.9                | 3.1                         | 1.5                                   |

METHOD: EPA SW-846 8260

h Cook

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims invertigations for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service! This avail shall cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiries, atlibilates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more lihan. 30 days pass fore at the rate of 24% per annum them the original dole of invoisa, and all costs of collections, including attorney's here. CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 8 Page ANALYSIS REQUEST 92 D 5108 Hol X 17 XJLS × Phone Result Fax Result REMARKS: 9,00 TIME BILLTO SAMPLING 7/1/04 amount pard by the clear for the completen of the applicable DATE ä 2111 Evectwood, Abliens, TX 79803 101 East Marland, Hobbs, NM 88240 clore in a brideri PRESERV. : ABHTO (505) 393-2328 Fax (505) 393-2476 Company: CEICOOL By: (Initials) Ŗ Address: Phone #: P.O. #: Fax #: State: ESAB/010A Atton: CHY: : ABHTO Cap Do Hilling turact / SLUDGE tory shart by by Condition business interruptions, bass of use, or loss of profits Received By: (Lab Staff) סור MATRIX Zip: 88240 NOS tract or Temp, C HETAWETEAW Sampl Received By: RECOUNDARY Ś And Delighter of speece which he besed 797-147 **ERENIATIOD** -9MO(2) NO BAR(8) J (915) 673-7001 Fax (915) 673-7020 State: NM (LASE HOTE: Labery and Damogra. Cardinale lepticy and clerit's reclusive numerly by any claim ansing Project Owner: Durtu: 7/6/04 Time: 12.0 questa damages, hoteling without highede arcs of services heraurder by Cardinal repart Fax #: Opicating ary ofter couse starkoover shall be deer Time: Sample I.D. Raskon BACKFUL Address: 122 W. Laylor OSI CORDOR 130 Gatts anistant. It doing traddy grown for magingary on units and anistant. In my owner that Cardina be lish. For haddond ar matters of aucorean articly on of a related in the perfor [SampAar Rollinguished] RIPE 393-9174 ZEMD Sambler - UPS - Bure - Other: Rey 6-4-3 Delivered By: (Circle One) Hoths Project Manager: Projact Location: Company Name: Sampler Name: **Relinguished By:** Project Name; FOR LAB USE ONLY 1-5-1 Lab I.D. Phone #: Project #: A S CIty:

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 573-7020.

DEC. MA

6.67.23mile

Sec. Barrier

State and

11.1.2.2.2

in the second



にある

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: J. GATTS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 06/17/04 Reporting Date: 06/18/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD Sampling Date: 06/17/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC. Analyzed By: BC/AH

LAB NUMBER SAMPLE ID

| GRO                | DRO -                                |         |
|--------------------|--------------------------------------|---------|
| $(C_{6} - C_{10})$ | (>C <sub>10</sub> -C <sub>28</sub> ) | CI*     |
| (mg/Kg)            | (mg/Kg)                              | (mg/Kg) |

| ANALYSIS DATE               | 06/17/04 | 06/17/04                              | 06/18/04 |
|-----------------------------|----------|---------------------------------------|----------|
| H8834-1 SOURCE @ 17' BGS    | 21.7     | 2640                                  | 64       |
|                             |          |                                       |          |
|                             |          |                                       |          |
|                             |          |                                       |          |
|                             |          | · · · · · · · · · · · · · · · · · · · |          |
| Quality Control             | 803      | 808                                   | 1020     |
| True Value QC               | 800      | 800                                   | 1000     |
| % Recovery                  | 100      | 101                                   | 102      |
| Relative Percent Difference | 3.9      | 1.8                                   | 1.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI<sup>-</sup>: Std. Methods 4500-CI<sup>-</sup>B \*Analysis performed on a 1:4 w:v aqueous extract.

#### H8834A.XLS

PLEASE NOTE: Llability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



Section 20

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: J. GATTS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 06/17/04 Reporting Date: 06/18/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD Sampling Date: 06/17/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

| LAB NUMBEF           | R SAMPLE ID      | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|----------------------|------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DA          | ATE              | 06/17/04           | 06/17/04           | · 06/17/04                  | 06/17/04                    |
| H8834-1              | SOURCE @ 17' BGS | 0.298              | 0.065              | 4.78                        | 5.71                        |
|                      |                  |                    |                    |                             |                             |
| Quality Contro       | ol               | 0.102              | 0.098              | 0.093                       | 0.273                       |
| True Value Q         | С                | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery           |                  | 102                | 98.4               | 93.4                        | 90.9                        |
| <b>Relative Perc</b> | ent Difference   | 5.6                | 3.1                | 1.2                         | 0.8                         |

METHOD: EPA SW-846 8260

A Coshi

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims insighting togset for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

|   | JEST                                  |                             | 6  |               |                 |          |           |          |                |               |                   |               |                  |                                     |         |       |   |      |   |      | more than   |   |  |          |                     | البنائين الم               |                                   |
|---|---------------------------------------|-----------------------------|--|---------------|-----------------|----------|-----------|----------|----------------|---------------|-------------------|---------------|------------------|-------------------------------------|---------|-------|---|------|---|------|---|---|--|----------|---------------------|----------------------------|-----------------------------------|
|   | CHAIN-OF-CUSTODY AND ANALYSIS REQUEST |                             | Page   | REQUEST       |                 |          |           |          |                |               |                   |               |                  |                                     |         |       |   | <br> |   |      | terms and Conditioners interest will be charged on all accounts more that   | 30 days post due at the rate of 24% per annum nom the organal user of annum,<br>and all costs of contections, including attorney's here.  |  |          |                     |                            |                                   |
|   | NALYS                                 |                             |  |               |                 |          |           |          |                |               |                   |               |                  |                                     |         |       |   |      |   |      | erest will be charg   | te of 24% per ann<br>induding attorner  | 92 L   |          |                     |                            |                                   |
|   | A DND A                               |                             |  | ANALYSIS      |                 |          |           |          |                | 5             | 10                | 8             |                  | 17<br>H J 2                         | X       |       | - | <br> |   | <br> | ed Conditioner Int  | post due at the rat<br>osts of collections,   | 0 Xee 0  |          |                     |                            |                                   |
|   | lstop                                 |                             |  |               |                 |          |           |          |                |               |                   |               | ŕ                | BIEX                                | ×       |       |   |      |   |      |   | 30 days<br>and all o  |  |          |                     |                            |                                   |
|   | N-OF-CL                               |                             |  |               |                 |          |           |          |                |               |                   |               | NG               | TIME                                | 1:30    |       |   |      |   |      |   |   | Phone Result   | REMARKS: |                     |                            |                                   |
|   | CHAI                                  |                             |  | L TO -        |                 |          |           |          |                | Zlp:          |                   |               | SAMPLING         | DATE                                | 117/02  |       |   |      |   |      | e client for the  |   |  |          |                     | -                          |                                   |
|   |                                       |                             | 1, NIM 88240<br>393-2476   | BILL          |                 | MILY:    |           | 938;     |                |               | *                 |               | PRESERV.         | OTHER :<br>ICE / COOL<br>ACID/BASE: | 1       |       |   |      |   | <br> | PLISE NOTE. Labery and Dermeet. Commals labery and clerity reduces remark for an annual while back on contract of loc. And to the amount part by the clerit for the | and navalwed by Candinial within 30 days after completion of the applicable<br>34, jose of use, or lose of profits incurred by offort, its subsidienties,   | anon a channa.   |          |                     | Checked                    | (Initials)                        |
|   |                                       | ÷                           | East Mariand, Hobbs, NM 88240<br>5) 393-2326 Fax (505) 393-2476        |               | P.O. 1          | Company  | Attn:     | Address: | Clty:          | State:        | Phone #:          | Fax #:        |                  |                                     |         |       |   |      |   |      | and be brinted to the   | t and received by Cardinal with 30 days after completion of the ap<br>os., loss of use, or loss of proter incurred by olicit, its subsidiaries.   | ( the above stated re  |          | att)<br>A Joseph    | 3                          | Xes (14                           |
| 1 |                                       | • .                         | East Maríand, Hobbs<br> 5) 393-2326 Fax (505)                          |               |                 |          | UH733     |          |                |               |                   |               | MATRIX           | GROUNDWATER<br>WASTEWATER<br>SOIL   |         |       |   | <br> |   |      | Canada tan 1  | received by Cerdina<br>en of use, or here of  | Ey:  |          | red By: (Lab Shaff) | 48.                        | Cut I                             |
|   |                                       |                             | 5 §  |               |                 |          | Zlp:      |          |                |               |                   |               |                  | (с) кав ок (с) омр.<br>• соитаінерз | 6.17    |       |   |      |   |      | whether based m   | made in writing and i   | Racelved   |          | Rectiv              |                            |                                   |
|   |                                       | S, INC.                     | 2111 Beechwood, Abilene, TX 79503<br>(915) 673-7001 Fax (915) 673-7020 |               |                 |          | 1/2 N :0  |          | Project Owner: |               |                   |               | 5                |                                     | 5       |       |   |      |   |      | or any claim and the  | ensed welved unions  <br>Moud Smitadion, busin  | ordinal, regardicas of   |          | 1,766               | . 777                      |                                   |
|   | ·                                     | ATORIE                      | rwood, Abili<br>5-7001 Fax (   | tim           |                 | ر.       | State:    | Fax #:   | Proje          |               |                   |               |                  | e I.D.                              | 17, 600 |       |   |      |   |      | S PROMENE CEMERON   | wiscome shall be da<br>Suragoe, including w   | Cost herwarder by C  | Time:    | Date: 7             | 7                          |                                   |
|   | •                                     | LABOR                       | 2111 Beech<br>(915) 673  | Doverat       | 23 74 ST        | Tav/2    | m de la   |          |                |               |                   | 45            |                  | Sample I.D.                         | 2       |       |   |      |   |      | liability and client  | l any other cause of<br>M or consequential  | berformance of ear   |          |                     |                            |                                   |
|   |                                       | SARDINAL LABORATORIES, INC. |  | 2128          | .) ««           |          |           | 4174     |                | -4-3          | S D               | JUatta        |                  |                                     | Suurce  |       |   |      |   |      | vitaces, Cardinal s   | e for regigence and<br>be jable for inciden   | ed a retained to the   |          | 4                   | rcla One)                  | ra - Other:                       |
|   | L                                     | AAAA                        |  | Company Name: | Project Manager | : 122    | 1-0       | F 393    | #:<br>*        |               | Project Location: | r Name:       | FOR LAB USE ONLY | Ġ.                                  | 74      | -<br> |   |      | + |      | E: Labiery and Da   | emissions. It chains behading these for inspiperous and any other causes whethere with the downed invited masis<br>service. In no send shall Cardina ha jable for incidental or consequential duringes, including without infrinten | officies or accessor mility out of or related to the performance of arrives hereafter by Cardinal represented of whithe a based upon any of the above stated<br>Samphor Rollinguishod:<br>Dates: |          | shed By:            | Delivered By: (Circle One) | /<br>Sampler - UPS ~ Bus - Other: |
|   | R                                     | ク                           |  | Compar        | Project         | Address: | City: Hob | Phone #  | Project #:     | Project Name: | Project.          | Sampler Name: | FORLABI          | Lab I.D.                            | 4 5/2   |       |   |      |   |      | PLEASE HOT  | anniyaan. A di<br>aanice, 14 me   | Sampler  |          | Ralinguished By:    | Deliver                    | Sampler                           |

A CONTRACTOR OF A CONTRACTOR OF



12600 West I-20 East - Odessa, Texas 79765

Contraction of the

A CONTRACTOR

122.24

and the

PLOT NO.

a design

Same and

ALC: NO.

and the second

# Analytical Report

## Prepared for:

Kristin Farris Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: C-4-3

Project Number: None Given Location: None Given

Lab Order Number: 4F28001

Report Date: 07/01/04

.ice Operating Co. 122° W. Taylor Hobbs NM, 88240

記録的

Constant and

and the second

Sec. Sec.

の変要

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID                       | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|---------------------------------|---------------|--------|----------------|----------------|
| West Wall Pt #1,2,3,4,5         | 4F28001-01    | Soil   | 06/22/04 13:40 | 06/28/04 07:52 |
| South Wall Pt #1,2,3,4,5        | 4F28001-02    | Soil   | 06/22/04 13:30 | 06/28/04 07:52 |
| East Wall Pt #1,2,3,4,5         | 4F28001-03    | Soil   | 06/22/04 13:00 | 06/28/04 07:52 |
| North Wall Pt #1,2,3,4,5        | 4F28001-04    | Soil   | 06/22/04 13:10 | 06/28/04 07:52 |
| Bottom Pt #1,2,3,4,5 @ 12! Bgs  | 4F28001-05    | Soil   | 06/22/04 13:20 | 06/28/04 07:52 |
| East Wall Field Comp            | 4F28001-06    | Soil   | 06/22/04 13:05 | 06/28/04 07:52 |
| West Wall Field Comp            | 4F28001-07    | Soil   | 06/22/04 13:40 | 06/28/04 07:52 |
| North Wall Field Comp           | 4F28001-08    | Soil   | 06/22/04 13:10 | 06/28/04 07:52 |
| South Wall Field Comp           | 4F28001-09    | Soil   | 06/22/04 13:30 | 06/28/04 07:52 |
| Bottom Wall Field Comp @12' bgs | 4F28001-10    | Soil   | 06/22/04 13:20 | 06/28/04 07:52 |

Page 1 of 13

A Contract of the

and the second

湯の肥

10.1.2 Zero

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### Organics by GC **Environmental Lab of Texas**

| Analyte                                  | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| West Wall Pt #1,2,3,4,5 (4F28001-01) Soi | LAB    | COMP               | •         |          |         |          |          |           |       |
| Benzene                                  | ND     | 0.0250             | mg/kg dry | 25       | EF42907 | 06/25/04 | 06/28/04 | EPA 8021B |       |
| Toluene                                  | ND     | 0.0250             | tt.       | 11       | п       | н        | ·        | и         |       |
| Ethylbenzene                             | ND     | 0.0250             | u.        |          | u       | н        | н        | 41        |       |
| Xylene (p/m)                             | ND     | 0.0250             | u         | "        | u       | u        | н        | 11        |       |
| Xylene (0)                               | ND     | 0.0250             | "         | н        | u       | п        | 51       | u         |       |
| Surrogate: a,a,a-Trifluorotoluene        |        | 96.5 %             | 80-12     | 20       | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene          |        | 101 %              | 80-12     | 20       | п       | "        | "        | "         |       |

#### South Wall Pt #1,2,3,4,5 (4F28001-02) Soil LAB COMP.

| Benzene                           | ND     | 0.0250   | mg/kg dry | 25 | EF42907 | 06/25/04 | 06/28/04 | EPA 8021B |
|-----------------------------------|--------|----------|-----------|----|---------|----------|----------|-----------|
| Toluene                           | 0.0289 | 0.0250   | н         | u  | и       | "        | u.       | u         |
| Ethylbenzene                      | 0.0656 | 0.0250   | II.       | "  | н       | н -      | н        | u         |
| Xylene (p/m)                      | 0.188  | . 0.0250 | u         | н  | n       | н        | н        | n         |
| Xylene (0)                        | 0.0462 | 0.0250   | н         | 11 | 0       | "        |          | н         |
| Surrogate: a,a,a-Trifluorotoluene |        | 96.0 %   | 80-12     | 20 | "       | "        | "        | • "       |
| Surrogate: 4-Bromofluorobenzene   |        | 98.5 %   | 80-12     | 20 | "       | "        | "        | "         |
|                                   |        |          |           |    |         |          |          |           |

#### East Wall Pt #1,2,3,4,5 (4F28001-03) Soil LAB. COMP.

| Benzene                           | ND    | 0.0250 mg/ | 'kg dry | 25 | EF42907 | 06/25/04 | 06/28/04 | EPA 8021B |  |
|-----------------------------------|-------|------------|---------|----|---------|----------|----------|-----------|--|
| Toluene                           | 0.100 | 0.0250     | n       | "  | **      | u        | н        | н         |  |
| Ethylbenzene                      | 0.186 | 0.0250     | 11      |    | 11      | 11       | n        | n         |  |
| Xylene (p/m)                      | 0.820 | 0.0250     | 81      | н  | и       | н        | и        | "         |  |
| Xylene (0)                        | 0.269 | 0.0250     | н       | "  | II      | 11       | u        | "         |  |
| Surrogate: a,a,a-Trifluorotoluene |       | 96.3 %     | 80-120  | 0  | и       | "        | "        | "         |  |
| Surrogate: 4-Bromofluorobenzene   |       | 90.3 %     | 80-120  | 0  | н       | "        | "        | "         |  |

#### North Wall Pt #1,2,3,4,5 (4F28001-04) Soil LAB COMP.

| Benzene                           | ND     | 0.0250 | mg/kg dry | 25 | EF42907 | 06/25/04   | 06/28/04 | EPA 8021B |  |
|-----------------------------------|--------|--------|-----------|----|---------|------------|----------|-----------|--|
| Toluene                           | 0.0977 | 0.0250 | n         | n  | н       | 11         | н        | n         |  |
| Ethylbenzene                      | 0.350  | 0.0250 | n         | It | в       | U          | н.       | 11        |  |
| Xylene (p/m)                      | 0.845  | 0.0250 | п         | н  | n       | u          | u        | n         |  |
| Xylene (0)                        | 0.274  | 0.0250 | n         | n  | n       | 11         | н        | 11        |  |
| Surrogate: a,a,a-Trifluorotoluene |        | 103 %  | 80-12     | 20 | "       | n          | "        | "         |  |
| Surrogate: 4-Bromofluorobenzene   |        | 98.4 % | 80-12     | 20 | "       | · <i>n</i> | "        | "         |  |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

lice Operating Co. 122 W. Taylor Hobbs NM, 88240

ALC: NOT OF

-

1.2.1.2

るない

Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

|                                      | i             | Or                 | ganics l  | by GC    |         |          |                |            |       |
|--------------------------------------|---------------|--------------------|-----------|----------|---------|----------|----------------|------------|-------|
|                                      |               | Environ            | nental I  | Lab of T | lexas   |          |                |            |       |
| Analyte                              | Result        | Reporting<br>Limit |           | Dilution | Batch   | Prepared | Analyzed       | Method     | Notes |
| Bottom Pt #1,2,3,4,5 @ 12' Bgs (4F28 | 3001-05) Soil | LAB CO             | mР        |          |         |          |                |            |       |
| Benzene                              | 0.0268        | 0.0250             | mg/kg dry | 25       | EF42907 | 06/25/04 | 06/28/04       | EPA 8021B  |       |
| Toluene                              | 0.139         | 0.0250             |           | н        | 0       | II       | u              | п          |       |
| Ethylbenzene                         | 0.155         | 0.0250             | 11        | 34       | н       | IJ       | u              | н          |       |
| Xylene (p/m)                         | 1.08          | 0.0250             | 11        | IT       | 17      | н        | "              | 11         |       |
| Xylene (0)                           | 0.128         | 0.0250             | н         | n        | n       | н        | 11             | 11         |       |
| Surrogate: a,a,a-Trifluorotoluene    |               | 131 %              | 80-1      | 120      | "       | "        | "              | "          | S-04  |
| Surrogate: 4-Bromofluorobenzene      |               | 97.9 %             | 80-1      | 120      | "       | п        | "              | 11         |       |
| East Wall Field Comp (4F28001-06)    | Soil          |                    |           |          |         |          |                |            |       |
| Benzene                              | ND            | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04 | 06/29/04       | EPA 8021B  |       |
| Toluene                              | 0.135         | 0.0250             | u         | н        | н       | и        | n              | ы          |       |
| Ethylbenzene                         | 0.126         | 0.0250             | н         | **       | "       | и        | 11             | "          |       |
| Xylene (p/m)                         | 0.701         | 0.0250             | n         | H        | н       | tt       | 61             | н          |       |
| Xylene (0)                           | 0.222         | 0.0250             | "         | N        | 0       | n        | н              | u          |       |
| Surrogate: a,a,a-Trifluorotoluene    |               | 89.2 %             | 80-1      | 120      | "       | "        | "              | "          |       |
| Surrogate: 4-Bromofluorobenzene      |               | 109 %              | 80-1      | 120      | "       | "        | "              | "          |       |
| Gasoline Range Organics C6-C12       | 183           | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04 | 06/28/04       | EPA 8015M  |       |
| Diesel Range Organics >C12-C35       | 1070          | 10.0               | "         | **       | н       | "        | н              | 0          |       |
| Total Hydrocarbon C6-C35             | 1250          | 10.0               | н         | U        |         | 11       | It             | п          |       |
| Surrogate: 1-Chlorooctane            |               | 86.8 %             | 70-1      | 130      | "       | "        | "              | · <i>n</i> |       |
| Surrogate: 1-Chlorooctadecane        |               | 105 %              | 70-1      | 130      | "       | n        | "              | ".         |       |
| West Wall Field Comp (4F28001-07)    | Soil          |                    |           |          |         |          |                |            |       |
| Benzene                              | ND            | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04 | 06/29/04       | EPA 8021B  |       |
| Toluene                              | ND            | 0.0250             | н         | 11       | 0       | n        | "              | R          |       |
| Ethylbenzene                         | ND            | 0.0250             | n         | . u      | и       | n        | U              | N          |       |
| Xylene (p/m)                         | ND            | 0.0250             | u         | u        |         | "        | <b>n</b>       | n          |       |
| Xylene (o)                           | ND            | 0.0250             | н         | п        | u       | 11       | 11             | п          |       |
| Surrogate: a,a,a-Trifluorotoluene    | <u></u>       | 92.8 %             | 80        | 120      | "       | "        | "              | "          | ·     |
| Surrogate: 4-Bromofluorobenzene      |               | 107 %              | 80        | 120      | "       | "        | "              | "          |       |
| Gasoline Range Organics C6-C12       | J [8.82]      | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04 | 06/28/04       | EPA 8015M  | j     |
| Diesel Range Organics >C12-C35       | 27.9          | , 10.0             | 11        | n        | u       | ч.       | n              | ü          | ٩     |
| Total Hydrocarbon C6-C35             | 27.9          | <sup>3</sup> 10.0  | U         | "        | н       | n        | U <sup>1</sup> | и          |       |
| Surrogate: 1-Chlorooctane            |               | 82.0 %             | 70-       | 130      | и,      | "        | "              | "          |       |
| Surrogate: 1-Chlorooctadecane        |               | 83.8 %             | 70        | 130      | "       | "        | "              | "          |       |
|                                      |               |                    |           |          |         |          |                |            |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 13

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

1.1

ALL PARTY

2.9. N. 2.

and the second

品に、読書

1000

100

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

Reported:

07/01/04 10:20

# Organics by GC

### **Environmental Lab of Texas**

| Analyte                              | Result          | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed                              | Method    | Not |
|--------------------------------------|-----------------|--------------------|-----------|----------|---------|----------|---------------------------------------|-----------|-----|
| North Wall Field Comp (4F28001-08)   | ) Soil          |                    |           |          |         |          | · · · · · · · · · · · · · · · · · · · | <u> </u>  |     |
| Benzene                              | ND              | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04 | 06/29/04                              | EPA 8021B |     |
| Toluene                              | 0.0796          | 0.0250             | 11        |          | u       | "        | 11                                    | н         |     |
| Ethylbenzene                         | 0.184           | 0.0250             |           | u        | н       | "        | n                                     | II.       |     |
| Xylene (p/m)                         | 0.700           | 0.0250             | u         | u        | н       | 41       | п                                     | и .       |     |
| Xylene (0)                           | 0.259           | 0.0250             | 11        | н        | u       | 11       | н.                                    |           |     |
| Surrogate: a,a,a-Trifluorotoluene    |                 | 91.2 %             | 80-1      | 20       | "       |          | "                                     | "         |     |
| Surrogate: 4-Bromofluorobenzene      |                 | · 97.8 %           | 80-1      | 20       | н       | "        | "                                     | **        |     |
| Gasoline Range Organics C6-C12       | 141             | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04 | 06/28/04                              | EPA 8015M |     |
| Diesel Range Organics >C12-C35       | 911             | 10.0               | n         | н        |         | n        | п                                     | 11        |     |
| Total Hydrocarbon C6-C35             | 1050            | 10.0               | н         | н        | u       | 11       | "                                     | 11        |     |
| Surrogate: 1-Chlorooctane            |                 | 90.8 %             | 70-1      | 30       | "       | "        | "                                     | и         |     |
| Surrogate: 1-Chlorooctadecane        |                 | 105 %              | 70-1      | 30       | "       | "        | "                                     | "         |     |
| South Wall Field Comp (4F28001-09)   | Soil            |                    |           |          |         |          |                                       |           |     |
| Benzene                              | ND              | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04 | 06/29/04                              | EPA 8021B |     |
| Toluene                              | 0.0265          | 0.0250             | **        | w        | n       | n        | n                                     | U         |     |
| Ethylbenzene                         | 0.0433          | 0.0250             | n         | ti       | n       | n        | н                                     | н         |     |
| Xylene (p/m)                         | 0.131           | 0.0250             | n         | н        | μ       | н        | II.                                   | n         |     |
| Xylene (0)                           | 0.0336          | 0.0250             | н         | "        | и       |          | н                                     | и         |     |
| Surrogate: a,a,a-Trifluorotoluene    |                 | 86.5 %             | 80-1      | 20       | "       | "        | "                                     | "         |     |
| Surrogate: 4-Bromofluorobenzene      |                 | 90.6 %             | 80-1      | 20       | "       | "        | "                                     | "         |     |
| Gasoline Range Organics C6-C12       | 19.0            | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04 | 06/28/04                              | EPA 8015M |     |
| Diesel Range Organics >C12-C35       | 183             | 10.0               | н         |          | H       | *1       | н                                     | U         |     |
| Total Hydrocarbon C6-C35             | 202             | 10.0               | 11        | u        | н       | U        | n                                     | и         |     |
| Surrogate: 1-Chlorooctane            |                 | 93.0 %             | 70-1      | 30       | "       | "        | ".                                    | "         |     |
| Surrogate: 1-Chlorooctadecane        |                 | 93.6%              | 70-1      | 30       | "       | "        | "                                     | "         |     |
| Bottom XXXIII Field Comp @12' bgs (4 | F28001-10) Soil |                    |           |          |         |          |                                       |           |     |
| Benzene                              | ND              | 0.0250             | mg/kg dry | 25       | EG40101 | 06/29/04 | 06/29/04                              | EPA 8021B |     |
| Toluene                              | 0.123           | 0.0250             | u         | н        | ŧr      | D .      | и                                     | N         |     |
| Ethylbenzene                         | 0.113           | 0.0250             | н         | 11       | 0       | "        | B                                     | U.        |     |
| Xylene (p/m)                         | 0.829           | 0.0250             | u         | н        | n       | "        | н                                     | H         |     |
| Xylene (0)                           | 0.133           | 0.0250             | 11        | "        | u       | 11       | 11                                    | 11        |     |
| Surrogate: a,a,a-Trifluorotoluene    |                 | 87.9 %             | 80-,      | 120      | "       | "        | "                                     | "         |     |
| Surrogate: 4-Bromofluorobenzene      |                 | 96.8 %             | 80        | 120      | "       | "        | и                                     | "         |     |
| Gasoline Range Organics C6-C12       | 156             | 10.0               | mg/kg dry | 1        | EF42803 | 06/28/04 | 06/28/04                              | EPA 8015M |     |
| Diesel Range Organics >C12-C35       | 984             | 10.0               | "         | 45       | и.      | u.       | н                                     | · 11      |     |
| Total Hydrocarbon C6-C35             | 1140            | 10.0               | n         | 11       | 41      | н        | "                                     | п         |     |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240

02420

a state

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### Organics by GC

### **Environmental Lab of Texas**

| Analyte                         | Result            | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes                                  |
|---------------------------------|-------------------|--------------------|-------|----------|---------|----------|----------|-----------|--|
| Bottom Wall Field Comp @12' bgs | (4F28001-10) Soil |                    |       |          |         |          |          |           |  |
| Surrogate: 1-Chlorooctane       |                   | 96.6 %             | 70-1  | 30       | EF42803 | 06/28/04 | 06/28/04 | EPA 8015M | ······································ |
| Surrogate: 1-Chlorooctadecane   |                   | 110 %              | 70-1  | 30       | "       | "        | "        | "         |  |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 13

and the second

.ice Operating Co. 122 W. Taylor Hobbs NM, 88240

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

## General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

| Analyte  | Result                          | Limit Units            | Dilution | Batch              | Prepared             | Analyzed             | Method                       | Not |
|--|---------------------------------|------------------------|----------|--------------------|----------------------|----------------------|------------------------------|-----|
| West Wall Pt #1,2,3,4,5 (4                                   | 4F28001-01) Soil                |                        |          |                    |                      |                      |                              |     |
| % Solids   | 89.0                            | %                      | . 1      | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| South Wall Pt #1,2,3,4,5 (                                   | (4F28001-02) Soil               |                        |          |                    |                      |                      |                              |     |
| % Solids   | 89.0                            | %                      | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| East Wall Pt #1,2,3,4,5 (4                                   | F28001-03) Soil                 |                        |          |                    |                      |                      |                              |     |
| % Solids   | 90:0                            | %                      | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| North Wall Pt #1,2,3,4,5 (                                   | (4F28001-04) Soil               | •                      |          |                    |                      |                      |                              |     |
| % Solids   | 90.0                            | %                      | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| Bottom Pt #1,2,3,4,5 @ 12                                    | 2' Bgs (4F28001-05) Soil        |                        |          |                    |                      |                      |                              |     |
| % Solids   | 90.0                            | %                      | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| East Wall Field Comp (41                                     | 728001-06) Soil                 |                        |          |                    |                      |                      |                              |     |
| Chloride   | 383                             | 20.0 mg/kg Wet         | 2        | EF43008            | 06/29/04             | 06/29/04             | SW 846 9253                  |     |
| % Solids   | 89.0                            | %                      | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| West Wall Field Comp (4                                      | F28001-07) Soil                 |                        |          |                    |                      |                      |                              |     |
| 761  | 585                             | 20.0 mg/kg Wet         | 2        | EF43008            | 06/29/04             | 06/29/04             | SW 846 9253                  |     |
| Chloride   | 89.0                            | 0/                     | 1        | EF42901            | 06/28/04             | 06/28/04             | % calculation                |     |
| % Solids   | 0,10                            | %                      |          |                    |                      |                      |                              |     |
|  |                                 | <i>%</i> •             | Ĩ        |                    |                      |                      |                              |     |
| % Solids   |                                 | ~~ .<br>20.0 mg/kg Wet | 2        | EF43008            | 06/29/04             | 06/29/04             | SW 846 9253                  |     |
| % Solids<br>North Wall Field Comp (4                         | 4F28001-08) Soil                |                        |          | EF43008<br>EF42901 | 06/29/04<br>06/28/04 | 06/29/04<br>06/28/04 | SW 846 9253<br>% calculation |     |
| % Solids<br>North Wall Field Comp (4<br>Chloride             | 4F28001-08) Soil<br>436<br>89.0 | 20.0 mg/kg Wet         | 2        |                    |                      |                      |                              |     |
| % Solids<br>North Wall Field Comp (4<br>Chloride<br>% Solids | 4F28001-08) Soil<br>436<br>89.0 | 20.0 mg/kg Wet         | 2        |                    |                      |                      |                              |     |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 13

.ce Operating Co. 122 W. Taylor Hobbs NM, 88240

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### General Chemistry Parameters by EPA / Standard Methods **Environmental Lab of Texas**

| Analyte                     | Result                | Reporting<br>Limit Units | Dilution | Batch   | Prepared  | Analyzed | Method        | Note |
|-----------------------------|-----------------------|--------------------------|----------|---------|-----------|----------|---------------|------|
| Bottom WAPField Comp @12' b | ogs (4F28001-10) Soil | <u></u>                  |          |         | - <u></u> | ······   |               |      |
| Chloride                    | 372                   | 20.0 mg/kg We            | :t 2     | EF43008 | 06/29/04  | 06/29/04 | SW 846 9253   |      |
| % Solids                    | 90.0                  | %                        | 1        | EF42901 | 06/28/04  | 06/28/04 | % calculation |      |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |
| · · · · · ·                 |                       |                          |          |         |           |          |               | •    |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |
|                             |                       |                          |          |         |           |          |               |      |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

1000

20.25

A DAY

1. Carlo

No.

and the second

Sec. 17

and a start

Sugar Carlo

Service and

STREET, ST

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### **Organics by GC - Quality Control**

#### **Environmental Lab of Texas**

| Analyte                            | Result   | Reporting<br>Limit | Units     | Spike<br>Level | Source<br>Result | %REC          | %REC<br>Limits | RPD   | RPD<br>Limit                           | Notes   |
|------------------------------------|----------|--------------------|-----------|----------------|------------------|---------------|----------------|-------|--|---------|
| Batch EF42803 - Solvent Extraction | (GC)     |                    |           |                |                  |               |                |       |  | <u></u> |
| Blank (EF42803-BLK1)               | <u> </u> |                    |           | Prepared       | & Analyze        | ed: 06/28/    | 04             |       |  |         |
| Gasoline Range Organics C6-C12     | ND       | 10.0               | mg/kg wet |                |                  | ·····         |                |       |  |         |
| Diesel Range Organics >C12-C35     | ND       | 10.0               | 0         |                |                  |               |                |       |  |         |
| Total Hydrocarbon C6-C35           | ND       | 10.0               |           |                |                  |               |                |       |  |         |
| Surrogate: 1-Chlorooctane          | 37.0     |                    | mg/kg     | 50,0           |                  | 74.0          | 70-130         |       |  |         |
| Surrogate: 1-Chlorooctadecane      | 37.0     |                    | 11        | 50.0           |                  | 74.0          | 70-130         |       |  |         |
| LCS (EF42803-BS1)                  |          |                    |           | Prepared       | & Analyze        | ed: 06/28/    | 04             |       |  |         |
| Gasoline Range Organics C6-C12     | 411      | 10.0               | mg/kg wet | 500            |                  | 82.2          | 75-125         |       | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |         |
| Diesel Range Organics >C12-C35     | 424      | 10.0               | n         | 500            |                  | 84.8          | 75-125         |       |  |         |
| Total Hydrocarbon C6-C35           | 835      | 10.0               | 11        | 1000           |                  | 83.5          | 75-125         |       |  |         |
| Surrogate: 1-Chlorooctane          | 48.6     |                    | mg/kg     | 50.0           |                  | 97.2          | 70-130         |       |  |         |
| Surrogate: 1-Chlorooctadecane      | 35.6     |                    | "         | 50.0           |                  | 71.2          | 70-130         |       |  |         |
| Calibration Check (EF42803-CCV1)   |          |                    |           | Prepared       | & Analyze        | ed: 06/28/0   | 04             |       |  |         |
| Gasoline Range Organics C6-C12     | 445      |                    | mg/kg     | 500            |                  | 89.0          | 80-120         |       |  |         |
| Diesel Range Organics >C12-C35     | 485      |                    | t)        | 500            |                  | 97.0          | 80-120         |       |  |         |
| Total Hydrocarbon C6-C35           | 930      |                    | н         | 1000           |                  | 93.0          | 80-120         |       |  |         |
| Surrogate: 1-Chlorooctane          | 51.8     |                    | <i>n</i>  | 50.0           |                  | 104           | 70-130         |       |  |         |
| Surrogate: 1-Chlorooctadecane      | 36.6     |                    | "         | 50.0           |                  | 73.2          | 70-130         |       |  |         |
| Matrix Spike (EF42803-MS1)         | Soi      | irce: 4F250        | 03-06     | Prepared       | & Analyza        | ed: 06/28/    | 04             |       |  |         |
| Gasoline Range Organics C6-C12     | 533      | 10.0               | mg/kg dry | 538            | ND               | 99.1          | 75-125         |       |  |         |
| Diesel Range Organics >C12-C35     | 576      | 10.0               | в         | 538            | ND               | 107           | 75-125         |       |  |         |
| Total Hydrocarbon C6-C35           | 1110     | 10.0               | 11        | 1080           | ND               | 103           | 75-125         |       |  |         |
| Surrogate: 1-Chlorooctane          | 57.1     |                    | mg/kg     | 50.0           |                  | 114           | 70-130         |       |  |         |
| Surrogate: 1-Chlorooctadecane      | 48.6     |                    | "         | 50.0           |                  | 97.2          | 70-130         |       |  |         |
| Matrix Spike Dup (EF42803-MSD1)    | Sou      | rce: 4F250         | 03-06     | Prepared       | & Analyze        | ed: 06/28/0   | 04             |       |  |         |
| Jasoline Range Organics C6-C12     | 517      | 10.0               | mg/kg dry | 538            | ND               | 96.1          | 75-125         | 3.05  | 20                                     |         |
| Diesel Range Organics >C12-C35     | 577      | 10.0               | 4         | 538            | ND               | 107           | 75-125         | 0.173 | 20                                     |         |
| Total Hydrocarbon C6-C35           | 1090     | 10.0               | 11        | 1080           | ND               | 101           | 75-125         | 1.82  | 20                                     |         |
| Surrogate: 1-Chlorooctane          | 55.3     |                    | mg/kg     | 50.0           |                  | т             | 70-130         |       | ~                                      |         |
| Surrogate: 1-Chlorooctadecane      | 48.1     |                    | "         | 50.0           |                  | <i>96.2</i> . | 70-130         |       |  |         |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 13

Constant of the

S. Therese

a financia

にた

Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

Reported: 07/01/04 10:20

### **Organics by GC - Quality Control Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source<br>Result | %REČ       | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|-----------|----------------|------------------|------------|----------------|-----|--------------|-------|
| Batch EF42907 - EPA 5030C (GC)    |        |                    |           |                |                  |            |                |     |              |       |
| Blank (EF42907-BLK1)              |        |                    |           | Prepared       | & Analyz         | ed: 06/25/ | 04             | •   |              |       |
| Benzene                           | ND     | 0.0250             | mg/kg wet |                |                  |            |                |     |              |       |
| Toluene                           | ND     | 0.0250             | "         |                |                  |            |                |     |              |       |
| Ethylbenzene                      | ND     | 0.0250             | U         |                |                  |            | •              |     |              |       |
| Xylene (p/m)                      | ND     | 0.0250             | н         |                |                  |            |                |     |              |       |
| Xylene (o)                        | ND     | 0.0250             | 11        |                |                  |            |                |     |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 85.6   |                    | ug/kg     | 100            |                  | 85.6       | 80-120         |     |              |       |
| Surrogate: 4-Bromofluorobenzene   | 90.2   |                    | и         | 100            |                  | 90.2       | 80-120         |     |              |       |
| LCS (EF42907-BS1)                 |        |                    |           | Prepared:      | 06/25/04         | Analyzed   | 1: 06/28/04    |     |              |       |
| Benzene                           | 99.8   |                    | ug/kg     | 100            |                  | 99.8       | 80-120         |     | ··           |       |
| Foluene                           | 103    |                    |           | 100            |                  | 103        | 80-120         |     |              |       |
| Ethylbenzene                      | 103    |                    | li        | 100            |                  | 103        | 80-120         |     |              |       |
| Xylene (p/m)                      | 207    |                    | 17        | 200            |                  | 104        | 80-120         |     |              |       |
| Xylene (o)                        | 105    |                    | п         | 100            |                  | 105        | 80-120         |     |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 101    |                    | n         | 100            |                  | 101        | 80-120         |     | ,- <b>n</b>  |       |
| Surrogate: 4-Bromofluorobenzene   | 107    |                    | "         | 100            |                  | 107        | 80-120         |     |              |       |
| Calibration Check (EF42907-CCV1)  |        |                    |           | Prepared:      | 06/25/04         | Analyzed   | l: 06/28/04    |     |              |       |
| Benzene                           | 98.0   | ·                  | ug/kg     | 100            |                  | 98.0       | 80-120         |     |              |       |
| Foluene                           | 103    |                    | 11        | 100            |                  | 103        | 80-120         |     |              |       |
| Ethylbenzene                      | 101    |                    | 11        | 100            |                  | 101        | 80-120         |     |              |       |
| Xylene (p/m)                      | 202    |                    | H         | 200            |                  | 101        | 80-120         |     |              |       |
| Xylene (o)                        | 101    |                    | н         | 100            |                  | 101        | 80-120         |     |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 107    |                    |           | 100            | ·                | 107        | 80-120         |     |              |       |
| Surrogate: 4-Bromofluorobenzene   | 100    |                    | "         | 100            |                  | 100        | 80-120         |     |              |       |
| Matrix Spike (EF42907-MS1)        | So     | urce: 4F280        | 01-01     | Prepared:      | 06/25/04         | Analyzed   | l: 06/29/04    |     |              |       |
| Benzene                           | 106    |                    | ug/kg     | 100            | ND               | 106        | 80-120         |     |              |       |
| Foluene                           | 110    |                    | "         | 100            | ND               | 110        | 80-120         |     |              |       |
| Ethylbenzene                      | 109    |                    | n         | 100            | ND               | 109        | 80-120         |     |              |       |
| Xylene (p/m)                      | 218    |                    | 11        | 200            | ND               | 109        | 80-120         |     |              |       |
| Xylene (o)                        | 107    |                    | n         | 100            | ND               | 107        | 80-120         |     |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 109    |                    | <i>n</i>  | 100            |                  | 109        | 80-120         |     |              |       |
| Surrogate: 4-Bromofluorobenzene   | 104    |                    | "         | 100            |                  | 104        | 80-120         |     |              |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 13

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

.ce Operating Co. 122 W. Taylor Hobbs NM, 88240

10.00

States of

and the second

1000

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

**Reported:** 07/01/04 10:20

### **Organics by GC - Quality Control Environmental Lab of Texas**

|                                   |        | Reporting       | Spike    | Source     |          | %REC        |      | RPD   |       |
|-----------------------------------|--------|-----------------|----------|------------|----------|-------------|------|-------|-------|
| Analyte                           | Result | Limit Unit:     | Level    | Result     | %REC     | Limits      | RPD  | Limit | Notes |
| Batch EF42907 - EPA 5030C (GC)    |        |                 |          |            |          |             |      |       |       |
| Matrix Spike Dup (EF42907-MSD1)   | Sou    | rce: 4F28001-01 | Prepared | : 06/25/04 | Analyzec | 1: 06/29/04 |      |       |       |
| Benzene                           | 100    | ug/kg           | 100      | ND         | 100      | 80-120      | 5.83 | 20    |       |
| Toluene                           | 104    | 11              | 100      | ND         | 104      | 80-120      | 5.61 | 20    |       |
| Ethylbenzene                      | 104    | H               | 100      | ND         | 104      | 80-120      | 4.69 | 20    |       |
| Xylene (p/m)                      | 209    |                 | 200      | ND         | 104      | 80-120      | 4.69 | 20    |       |
| Xylene (o)                        | 107    | u               | 100      | ND         | 107      | 80-120      | 0.00 | 20    |       |
| Surrogate: a,a,a-Trifluorotoluene | 102    | "               | 100      |            | 102      | 80-120      |      |       |       |
| Surrogate: 4-Bromofluorobenzene   | 110    | п               | 100      |            | 110 -    | 80-120      |      |       |       |

#### Batch EG40101 - EPA 5030C (GC)

| Blank (EG40101-BLK1)              |      |        |           | Prepared & Ar | nalyzed: 06/29/ | 04     |  |
|-----------------------------------|------|--------|-----------|---------------|-----------------|--------|--|
| Benzene                           | ND   | 0.0250 | mg/kg wet |               |                 |        |  |
| Toluene                           | ND   | 0.0250 | It        |               |                 |        |  |
| Ethylbenzene                      | ND   | 0.0250 | n         |               |                 |        |  |
| Xylene (p/m)                      | ND   | 0.0250 | R         |               |                 | ·      |  |
| Xylene (0)                        | ND   | 0.0250 | 10        |               |                 |        |  |
| Surrogate: a,a,a-Trifluorotoluene | 91.9 |        | ug/kg     | 100           | 91.9            | 80-120 |  |
| Surrogate: 4-Bromofluorobenzene   | 101  |        |           | 100           | 101             | 80-120 |  |
| LCS (EG40101-BS1)                 |      |        |           | Prepared & Ar | 1alyzed: 06/29/ | '04    |  |
| Benzene                           | 96.3 |        | ug/kg     | 100           | 96.3            | 80-120 |  |
| Toluene                           | 102  |        | н         | 001           | 102             | 80-120 |  |
| Ethylbenzene                      | 103  |        | 0         | 100           | 103             | 80-120 |  |
| Xylene (p/m)                      | 205  |        | н         | 200           | 102             | 80-120 |  |
| Xylene (0)                        | 104  |        | u.        | 100           | 104             | 80-120 |  |
| Surrogate: a,a,a-Trifluorotoluene | 94.4 |        |           | 100           | 94.4            | 80-120 |  |
|                                   |      |        |           |               |                 |        |  |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

100

and the second

.ce Operating Co. 122 W. Taylor Hobbs NM, 88240

and the second

a de la com

### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

# Organics by GC - Quality Control

### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC     | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch EG40101 - EPA 5030C (GC)    |        |                    |       |                |                  |          |                |       |              |       |
| Calibration Check (EG40101-CCV1)  |        |                    |       | Prepared:      | 06/29/04         | Analyzed | : 06/30/04     |       |              |       |
| Benzene                           | 86.1   |                    | ug/kg | 100            |                  | 86.1     | 80-120         |       |              |       |
| Toluenc                           | 90.0   |                    | н     | 100            |                  | 90.0     | 80-120         |       |              |       |
| Ethylbenzene                      | 92.0   |                    | "     | 100            |                  | 92.0     | 80-120         |       |              |       |
| Xylene (p/m)                      | 184    |                    | u     | 200            |                  | 92.0     | 80-120         |       |              |       |
| Xylene (o)                        | 97.8   |                    | n     | 100            |                  | 97.8     | 80-120         |       |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 89.9   |                    | "     | 100            |                  | 89.9     | 80-120         |       |              |       |
| Surrogate: 4-Bromofluorobenzene   | . 98.3 |                    | "     | 100            |                  | 98.3     | 80-120         |       |              |       |
| Matrix Spike (EG40101-MS1)        | So     | urce: 4F2800       | 1-07  | Prepared:      | 06/29/04         | Analyzed | : 06/30/04     |       |              |       |
| Benzene                           | 90.7   |                    | ug/kg | 100            | ND               | 90.7     | 80-120         |       |              |       |
| Toluene                           | 95.6   |                    | н     | 100            | ND               | 95.6     | 80-120         |       |              |       |
| Ethylbenzene                      | 98.6   |                    |       | 100            | ND               | 98.6     | 80-120         |       |              |       |
| Xylene (p/m)                      | 198    |                    | U     | 200            | ND               | 99.0     | 80-120         |       |              |       |
| Xylene (o)                        | 100    |                    | u     | 100            | ND               | 100      | 80-120         |       |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 94.6   |                    |       | 100            |                  | 94.6     | 80-120         |       |              |       |
| Surrogate: 4-Bromofluorobenzene   | 102    |                    | "     | 100            |                  | 102      | 80-120         |       |              |       |
| Matrix Spike Dup (EG40101-MSD1)   | So     | urce: 4F2800       | 1-07  | Prepared:      | 06/29/04         | Analyzed | : 06/30/04     |       |              |       |
| Benzene                           | 90.0   |                    | ug/kg | 100            | ND               | 90.0     | 80-120         | 0.775 | 20           |       |
| Toluene                           | 94.4   |                    | 11    | 100            | ND               | 94.4     | 80-120         | 1.26  | 20           |       |
| Ethylbenzene                      | 97.2   |                    | н     | 100            | ND               | 97.2     | 80-120         | 1.43  | 20           |       |
| Xylene (p/m)                      | 195    |                    | 11    | 200            | ND               | 97.5     | 80-120         | 1.53  | 20           |       |
| Xylene (o)                        | 101    |                    | н     | 100            | ND               | 101      | 80-120         | 0.995 | 20           |       |
| Surrogate: a,a,a-Trifluorotoluene | 92.9   |                    | "     | 100            |                  | 92.9     | 80-120         |       |              |       |
| Surrogate: 4-Bromofluorobenzene   | 107    |                    | "     | 100            |                  | 107      | 80-120         |       |              |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 13

Acice Operating Co. 122 W. Taylor Hobbs NM, 88240

17. AN

The second

a case of

No.

Contraction of the

#### Project: C-4-3 Project Number: None Given Project Manager: Kristin Farris

### General Chemistry Parameters by EPA / Standard Methods - Quality Control

### Environmental Lab of Texas

|                                    |          | Reporting  |           | Spike    | Source    |             | %REC   |      | RPD                                    |      |
|------------------------------------|----------|------------|-----------|----------|-----------|-------------|--------|------|--|------|
| Analyte                            | Result   | Limit      | Units     | Level    | Result    | %REC        | Limits | RPD  | Limit                                  | Note |
| Batch EF42901 - General Preparatio | n (Prep) |            |           |          |           |             |        |      |  |      |
| Blank (EF42901-BLK1)               |          |            |           | Prepared | & Analyz  | ed: 06/28/  | 04     |      |  |      |
| % Solids                           | 100      |            | %         |          |           | ·           |        |      | ······································ |      |
| Duplicate (EF42901-DUP1)           | Sour     | ce: 4F2800 | 1-01      | Prepared | & Analyzo | ed: 06/28/  | 04     |      |  |      |
| % Solids                           | 89.0     |            | %         |          | 89.0      |             |        | 0.00 | 20                                     |      |
| Blank (EF43008-BLK1)               |          |            |           |          | & Analyze | ed: 06/29/  | 04     |      |  |      |
| Blank (EF43008-BLK1)               |          |            | -         | Prepared | & Analyze | ed: 06/29/  | 04     |      |  |      |
| Chloride                           | ND       | 20.0 r     | ng/kg Wet |          |           |             |        |      |  |      |
| Matrix Spike (EF43008-MS1)         | Sour     | ce: 4F2800 | 1-06      | Prepared | & Analyzo | ed: 06/29/0 | 04     |      |  |      |
| Chloride                           | 851      | 20.0 r     | ng/kg Wet | 500      | . 383     | 93.6        | 80-120 |      |  |      |
| Matrix Spike Dup (EF43008-MSD1)    | Sour     | ce: 4F2800 | 1-06      | Prepared | & Analyze | ed: 06/29/0 | 04     |      |  |      |
| Chloride                           | 830      | 20.0 r     | ng/kg Wet | 500      | 383       | 89.4        | 80-120 | 2.50 | 20                                     |      |
| Reference (EF43008-SRM1)           |          |            |           | Prepared | & Analyze | ed: 06/29/  | 04     |      |  |      |
| Chloride                           | 5210     |            | mg/kg     | 5000     |           | 104         | 80-120 |      |  |      |
|                                    |          |            |           |          |           |             |        |      |  |      |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

#### **Notes and Definitions**

| S-04 The surrogate recovery for this sample is outside | of established control limits due to a sample matrix effect. |
|--|--|
|--|--|

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- Analyte NOT DETECTED at or above the reporting limit ND
- NR Not Reported

- Sample results reported on a dry weight basis dry
- Relative Percent Difference RPD
- Laboratory Control Spike LCS
- MS Matrix Spike

Dup Duplicate

Report Approved By: Kalandk Jul Date: -01-02

Raland K. Tuttle, QA Officer Celey D. Keene, Lab Director, Org. Tech Director Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist Sara Molina, Chemist Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 13 of 13

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

| 8               |  |                        |              |                       |                 |               |                    |             |        |              |           |          |                      |   |          |         |         |                |                   |          |           |       |           |         |                              |                                |          |                  |                  |
|-----------------|--|------------------------|--------------|-----------------------|-----------------|---------------|--------------------|-------------|--------|--------------|-----------|----------|----------------------|---|----------|---------|---------|----------------|-------------------|----------|-----------|-------|-----------|---------|------------------------------|--------------------------------|----------|------------------|------------------|
|                 |  |                        |              |                       |                 |               |                    |             |        |              | (əlubər   |          |                      | L HSUF                                    | 1        |         |         |                |                   |          |           |       |           |         |                              |                                |          |                  |                  |
|                 | -QUEST                                       |                        |              |                       |                 |               |                    |             |        |              |           |          |                      |   |          |         |         |                |                   |          |           |       |           |         | 2                            |                                |          |                  |                  |
|                 | IAL Y'SIS RE                                 | 5                      |              |                       |                 |               |                    | e For:<br>T |        |              |           | 060      | 05/8120              | 8 XƏTƏ                                    |          |         |         |                | <br>              |          |           |       |           |         | s Irdacd?<br>A Récept        | nts:<br>A                      | ŀJ       |                  |                  |
|                 | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST | - 4-                   |              | BD                    | 505             |               |                    | Analyze     |        | °S.          | 2 DH dq 1 | 10 PD 86 | 5                    | ;alafaM<br>efitsloV<br>nvimaZ             | <br>     |         |         |                |                   |          |           |       |           |         | Container<br>ature Upo       | E C                            |          |                  |                  |
|                 | stopY REC                                    | Project Name: <u>(</u> | Project #:   | Project Lac: <u>/</u> | PO #:           |               |                    |             | TOTAL: |              |           |          | 1/5001 )<br>1/5001 ) | IN HAT<br>KT HAT                          |          |         |         |                |                   |          |           |       |           |         | VV Sample Can<br>Temperature | $\frac{45}{e^{\prime}}$ tabera | <u>5</u> |                  | 14               |
|                 | AIN OF CUS                                   | Project                | Ĩ            | Proje                 |                 |               |                    | <u> </u>    |        | Matrix       |           |          |                      | Soil<br>5) TOS / C                        | X        | ×       | ×       | X              | ×                 |          | X         | X     | X         | X       | ,Ka                          | UC 1 2, 34                     | 4<br>S   |                  | 10804            |
|                 | CH   |                        |              |                       |                 |               |                    |             |        | Ŵ            |           |          | Specify)             | Sindge<br>Water (                         |          |         |         |                |                   |          |           |       |           |         | Run B                        | South WALL                     | 62.9     | Dale             | 10929            |
|                 |  |                        |              |                       |                 |               |                    |             |        | Preservative |           |          |                      | None<br>H <sub>2</sub> SO,<br>NaOH<br>HCI |          |         |         |                |                   |          |           |       |           |         |                              |                                |          |                  |                  |
|                 |  |                        |              |                       |                 |               |                    |             |        |              |           | ั้       | iistno:D             | No. of<br>Ice<br>HNO,                     | 1 ×      | X       | <br>    | X              | ×<br>~            | X /      |           | <br>  | . X       |         |                              | Lomposite                      | 1        |                  | S                |
|                 |  |                        | -            |                       | 0               | Fax No:       |                    |             |        |              |           | pa       | alqme2<br>E.         | TAO                                       | 6/22/04  | 6/22/04 | 6/22/04 | 6/22/04        | 6/22/04           | 10/22/01 | Le (22/04 | 42264 | polzz/d   | 4/22/04 |                              | (<br>thing                     | do       | 4<br>1           | )<br>)<br>)<br>) |
| Inc.            |  |                        |              | J                     | 8824            |               |                    |             |        |              |           | p        | 3smple               | 2 <del>مامط</del><br>۱ در ۲               | 1:40     | 1:40    |         | 07 ;1          | 1:40              | 1:30     | 1:30      | 1:30  | 1:30      | 1;30    | 1                            | Received by:                   | CO & a   | Received by ELOI | 3                |
| as.             | -1800<br>-1713                               |                        | ting         | Taylo                 |                 | 4             | \                  |             | -      |              |           |          |                      |   |          |         |         |                |                   | 14/      | # 4       | #3    | <b>74</b> | ₽S      | i                            | J <sub>ine</sub> T             |          | 1                | 84v              |
| of Tex          | Phone: 915-563-1800<br>Fax: 915-563-1713     | Fai                    | Operating    | , <u> </u>            | NN              | 393-9174      | Back               |             |        |              |           |          |                      | CODE                                      | +        | P4 # 2  |         | β <u>1.</u> #4 | ρ. <sup># S</sup> | P4. #    | đ         | Pt.   | đ         | t d     |                              | Date                           | 6/25/04  | Dale<br>L/       | 404              |
| Lab of          |  | ristin                 | Rue          | 122.                  | Hobbs           |               | Por                | l           |        |              |           |          |                      | FJELD CODE                                | Wall Pt. |         |         | WALL           | UALL              |          | WALL      | WALL  | WALL      | WALL    |                              | WALL + 1, 2                    |          |                  | 7                |
| ental           |  | Y :rage                |              |                       |                 | 1e No: 505    | ature:             |             |        |              |           |          |                      |   | West w   | +       | (       | Uost           | West              | JOUTH    | South     | South | South     | NENDS   |                              | west                           | Ł        |                  | {                |
| Environmental I | 12600 West I-20 East<br>Odessa, Texas 79763  | Project Manager:       | Сотралу Name | Company Address:      | City/State/Zip: | Telephone No: | Sampler Signature: |             |        |              |           |          | 2001                 | Lise only                                 |          |         |         |                |                   | 20-      |           |       |           |         | structions:<br>'             | Relinquished by:               | Sert     | lished by:       | (al)             |
|                 | 12600 Wes<br>Odessa, Ti                      |                        |              | U                     |                 |               | U)                 |             | .4     |              |           |          | . 23 ROOI            | LAB # IIBA tsa onio                       |          |         |         |                |                   |          |           |       |           |         | Special Instructions         | Relinquishe                    |          | Relinguishe      | 2                |
|                 |  |                        |              |                       |                 |               |                    |             |        |              |           |          |                      |   | •        |         |         |                |                   |          |           |       |           |         |                              |                                |          |                  |                  |

p.2

|                                       |  |                  |              |                  |                   |                   |                    |           |         |              | •        |                     |                                  |                 |                |          |          |               |         |                       |                 |               |                              |                    |          |                          |
|---------------------------------------|--|------------------|--------------|------------------|-------------------|-------------------|--------------------|-----------|---------|--------------|----------|---------------------|----------------------------------|-----------------|----------------|----------|----------|---------------|---------|-----------------------|-----------------|---------------|------------------------------|--------------------|----------|--------------------------|
|                                       |  |                  |              |                  |                   |                   |                    |           |         |              |          |                     | sepueis                          |                 | [              | <u> </u> |          |               |         |                       |                 |               |                              |                    |          |                          |
|                                       |  |                  |              |                  |                   |                   | ſ                  |           |         | (əli         | ubərlə2- | 919) TA             | L HSNA                           | <br>            |                |          |          |               |         |                       |                 |               |                              |                    |          |                          |
|                                       | EST  |                  |              |                  |                   |                   |                    |           |         |              |          |                     |                                  |                 |                |          |          |               |         |                       |                 |               |                              |                    |          |                          |
|                                       | REQUI  |                  |              |                  |                   |                   |                    |           |         |              |          |                     |                                  |                 |                |          |          |               |         |                       |                 |               | _;>*<br>-                    |                    |          |                          |
|                                       | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST |                  |              |                  | -                 |                   |                    |           |         |              |          |                     |                                  |                 |                |          |          |               |         |                       |                 |               | μų.                          | 10 A               | J        |                          |
|                                       | D ANA  | M                | ·            |                  |                   |                   |                    | Analyze h | -+      |              |          | atiles<br>0218/5030 | Invime2<br>8 X3T6                |                 |                |          |          | _             |         |                       |                 |               | ners Infact?<br>Fron Recerpt | E.                 | 3        |                          |
|                                       | D AN   | 7                |              | 0                | 505               |                   | 1                  | s -       |         |              |          |                     | uelitsloV                        |                 |                |          |          |               |         |                       |                 |               | Contarnet<br>flure Upot      | あい。                | J        |                          |
|                                       | сок  | U.               |              | 8                | Ø                 |                   |                    | ė.        |         | aS QH        | CA Ĉr Ph |                     |                                  | <b> </b>        |                |          |          |               |         |                       | ·               |               | te Cr<br>eretu               | ator               | š        |                          |
| <b>A</b>                              | ' RE   | )<br>נו          | 代 (          | ا<br>ن           | #                 |                   |                    | TCLP:     | TOTAL   |              |          | 080 MSI             |                                  |                 |                |          |          |               |         |                       |                 |               | Sample<br>Tempere            | ion v              | Š.       |                          |
|                                       | rob)   | Vame             | Project #:   | rt Lo            | PO #:             |                   |                    |           | -<br> - |              |          |                     | IN HAT                           | <u> </u>        |                |          |          | $\rightarrow$ |         |                       |                 |               |                              | <u>5</u>           | <u></u>  | <u>k</u>                 |
|                                       | sna  | Project Name:    | Pro          | Project Loc:     |                   |                   |                    |           |         |              | 03       | 1 9A21J             | DISQL                            |                 |                |          |          |               |         |                       |                 |               | 1.                           | U LUX ON           | SPm      | Date Thue<br>C-2644 CB04 |
|                                       | 0F (   | Proj             |              | ۵.               |                   |                   | -                  |           |         |              |          | becity):            | Olher {s                         |                 |                |          |          |               |         |                       |                 |               |                              | <u> </u>           | 5        | $\Box$                   |
|                                       | IAIN   |                  |              |                  |                   |                   |                    |           |         | Matrix       |          |                     | lio2                             | X               | ~              | X        | ×        | $\times$      | ×       | 4                     | 4_              | $4 \times$    | 1                            |                    | У        | Š                        |
| -                                     | Ċ  | )                | 1            | 1                | 1                 | I                 | ١                  |           | [       | 2            |          |                     | aleW<br>90bulS                   |                 |                |          |          |               |         |                       |                 |               |                              | Date               | - v      | Date                     |
|                                       |  |                  |              |                  | 1                 |                   |                    |           | ┢       |              |          | Specify)            |                                  |                 |                |          |          | -+            |         |                       |                 | +             |                              | S. 4. S<br>Date    | 6/52/2   | $\langle \rangle$        |
|                                       |  |                  | 1            | 1                | {                 |                   |                    |           | Į       |              |          |                     | enoN                             |                 |                |          |          |               | -+      |                       | +               | +             | 1                            | μ                  |          |                          |
| _                                     |  |                  |              |                  |                   |                   |                    |           |         | affve        |          |                     | 'OS'H                            |                 |                |          |          |               |         |                       |                 |               | H H                          | -                  |          |                          |
|                                       |  |                  |              |                  |                   |                   |                    |           |         | Preservative | ,        |                     | HO⁼N                             |                 |                |          |          |               |         |                       |                 |               |                              | - 11               |          |                          |
|                                       |  | ĺ                | 1            |                  |                   |                   |                    |           | - [     | Pre-         |          |                     | HCI                              |                 |                |          |          |               |         |                       |                 |               |                              | 2                  |          |                          |
| æ                                     |  |                  |              |                  |                   |                   |                    |           |         |              |          |                     | HNO <sup>i</sup><br>Ice          |                 | X              |          |          | ×             | ×       | ~                     | x x             |               | -                            | Ę                  |          |                          |
|                                       |  |                  | 1            |                  |                   |                   |                    |           | L       |              | الک      | enistnoO            |                                  | X               | ~              | ~        | <u>×</u> | -             | 7       | 7                     | $\frac{1}{1}$   | ]             |                              | 2                  | 1        | 0                        |
| 1000 C                                |  |                  |              |                  |                   | 3                 |                    |           |         | +            |          |                     |                                  |                 |                |          |          |               | 7       |                       |                 | ]             |                              | f s                |          | NS.                      |
|                                       |  |                  |              |                  |                   | Fax No:           |                    |           |         |              |          | balqma2             | s əmiT                           | 00<br>:         | 00 /           | 00       | 00       | 00            | 01      | 01                    | 01              | 0             |                              | Composite WormWALL | <u>}</u> | modelet<br>Raled LZO     |
|                                       |  |                  |              |                  | 40                |                   |                    |           |         |              |          |                     |                                  |                 | _              |          | 1        | $\rightarrow$ | -       | 4                     | 7_              |               | •                            | +                  | 71       |                          |
|                                       |  |                  |              |                  | 3                 |                   |                    |           |         |              |          |                     |                                  | 6/22/04         | 64             | 04       | 40/22/04 | 122/04        | 6/22/9  | 12210                 | 40/22/0         | 40/22/0       |                              |                    | 3        | Received by El           |
| ి చ                                   |  |                  |              |                  | 882               |                   |                    |           |         |              |          | bəlqmet             | 2 alsO                           | 22              | 6/22/04        | 6122104  | 22       | 4             | 22      | 22.                   | 1221            | 5             | e                            | Received by:       |          | Pec V                    |
| Environmental Lab of Texas, Inc.      |  |                  |              | loc              |                   |                   |                    |           |         | -            |          |                     |                                  | 19              | 19             | é        | 9        | 6             | 9       | ē                     | - 6             | 2 6           |                              | Time Received by:  |          | Re                       |
| မ် ကို                                | 0.0  | . ~              | peratine     | ) /sel           | -                 | ,                 |                    |           | -       |              |          |                     |                                  |                 |                |          |          |               |         |                       |                 | 5             | 9                            | Lime<br>Lime       |          | Time of Arr              |
|                                       | Phone: 915-563-1800<br>Fax: 915-563-1713     | Farris           | Y            | 1-               | 5                 | 74                |                    |           |         |              |          |                     |                                  |                 |                |          | ÷        | $\sim$        |         | N<br>F<br>N           | 27              | 5H            | <u>م</u>                     | <u>}</u>           |          |                          |
| Tex                                   | 5-563<br>5-563                               | ra               | 2J           | ~!               | M                 | ~ ``              | D                  |           |         |              |          |                     |                                  | -<br>7          | 4              | m        | T<br>F   | н2<br>Н2      |         |                       | 4               | to            |                              | 2                  | +        | Date<br>6/25/Juy         |
| ل توریخ<br>ا                          | ; 916<br>916                                 |                  | à            | ्रद              | ~                 | 6-                | N.                 |           |         |              |          |                     | ш<br>О                           | # .<br>+ +      | 44             | Pt. #3   | ta       | đ             | ÷.      | <del>,</del> 1        | <del>ع</del> ام |               |                              | N<br>Dage<br>Lage  | 6/26/04  | Date                     |
|                                       | hone:<br>Fax:                                | ۲ .              | 0            |                  |                   | 393               | AB                 |           |         |              |          |                     | FIELD CODE                       | م               | đ              | م        |          |               |         |                       | -1 :            | U ALL         |                              | M_                 | 12/2     | 6/2                      |
| ab (e                                 | Ph<br>H                                      | ristin           |              |                  | Hobbs             | M                 | $\backslash$       |           |         |              |          |                     | Ē                                | 1               | L              | 1        | Wir      | WALL          | E       | MIL                   | 1947            | 3             | ť                            | -                  |          |                          |
| , , , , , , , , , , , , , , , , , , , |  | , 3              | Rice         | 122.             | 0                 |                   | J                  | $\sim$    |         |              |          |                     | IL.                              | UALL            | WALL           | WHL      | 3        | 3             | WALL    | 3                     |                 |               |                              |                    | ļ        |                          |
| ital                                  |  | $\checkmark$     | 2            | ~                | Ŧ                 | 202               | I                  | $\sim$    | I       |              |          |                     |                                  |                 | ۲ .            |          |          |               | 1       |                       | 4 5             | 4             | 5                            | - MHL              |          |                          |
| l ž                                   |  | ]                |              |                  |                   | ار<br>ا           |                    |           |         |              |          |                     |                                  | ち               | Ta             | East     | Fast     | East          | 4       | と                     | North           | Nesen         |                              | 1                  |          |                          |
| _ ē                                   |  | agei             | Мал          | dres:            | e/Zip             | le No             | atur               |           |         |              |          |                     |                                  | Fast            | East           | 1L       | 11       | LU/           | North   | North                 | JA 7            | 22            | A.                           | tast               |          |                          |
| um.                                   | ast<br>763                                   | Project Manager: | Company Name | Company Address: | City/State/Zip: _ | Telephone No: 505 | Sampler Signature: | · · .     |         |              |          |                     |                                  | M               |                |          |          |               |         |                       |                 |               |                              |                    | A        | 1                        |
| <b>2</b>                              | 20 E.<br>s 79                                | oject            | dmo          | (neq:            | City              | Tela              | pler               |           |         |              |          |                     | $\widetilde{\mathbf{Q}}$         | 03              |                |          |          |               | Ģ       |                       |                 |               | ctior                        | ť,                 | K K      | 5 2                      |
| e ji                                  | st I-:<br>Fexa                               | d<br>d           | O            | Сот              |                   |                   | Sam                |           |         |              |          |                     | QQ 👬                             |                 |                |          |          |               |         |                       |                 |               | ıstru                        | 2 d ba             | 9,9      | d bar                    |
|                                       | 0 We<br>sa, T                                |                  |              |                  |                   |                   |                    |           |         |              |          |                     | 4 72 800/<br>AB # (Jab use chily |                 |                |          |          |               |         |                       |                 |               | tial Ir                      | quish              | 3        | D Cast                   |
| ш                                     | 12500 West I-20 East<br>Odessa, Texas 79763  |                  |              |                  |                   |                   |                    |           |         |              |          |                     | <b>4</b> /                       |                 |                |          |          |               |         |                       |                 |               | Special Instructions:        | Relinquished by:   |          | Relingfished by.         |
|                                       | +- U   |                  |              |                  |                   |                   |                    |           |         | 19995        |          |                     |                                  | <u>10000000</u> | <u>1999</u> 99 | 199555   | <u></u>  | <u></u>       | <u></u> | and the second second | <u></u>         | <u>- 1999</u> | <u> </u>                     |                    |          | لــــــ                  |
|                                       |  |                  |              |                  |                   |                   |                    |           |         |              |          |                     |                                  |                 |                |          |          |               |         |                       |                 |               |                              |                    |          |                          |

p.2

TAT bisbrief2 (eluberloz-erg) TAT H2UR z A BAR ST CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST > Temperature Upon Recent Sample Containers Intact? Analyze For aboratory Comments; X 6-4-3 0009/81209 X318 X Nu 2 9 รอเมทยงณมอด 505 and the second BD zelitsloV Metals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: ORO/ORO METOB HAT X k Projeci Name: Project Loc: HO 単 Project #: 7PH TX 1005/1006 1.815 H91 0804 5/2 Time THIE TOS CT SAR IEC X × X X X Olher (specify): 6-26-04 Matrix X 6/25/14 х X lios × X eConis Date Date Vater Other ( Specify) enoN Preservative 'os'H HOPN ЮH BTEX ON/1 ONH × ອວເ X X للر ×  $\prec$ X ¥ ¥ No. of Containers Fax No: 1:40 1:20 1:20 1:20 1:20 "10 Bottom Field Comp. at 12 bys let 2264 1:20 1:20 1: 05 10/22/04/1:30 balqma2 emiT 6/22/04 1:10 88240 Received by: 6/22/04 40/22/04 6/22104 6/22/04 6/22/04 6/22/2 6/22/04 balqms2 afsQ Environmental Lab of Texas, Inc. Tav lor at 12'bes! Operatives #2 at 12 bas 2712/25 6/24/07 8 Am A 12 653 WALL Field COMP. 23.4 COMO Time Comp Comp Facrus Fax: 915-563-1713 Phone: 915-563-1800 393-9174 at 12 bas 22 6/25/04 M T H Y 3 77 DB North WALL Field Field -# Date F.el FIELD CODE Kristin 44 44 city/State/Zip: H 0 665 4 đ 30-40 m Ħ WALL 1/100 WALL 122. Bottom đ Bottom Bottom Telephone No: 505 Bottom Atual 00 West East 30 A. Project Manager: Company Name Company Address: Sampler Signature: omposite Odessa, Texas 79763 CN lla 12600 West I-20 East 1.80. **19**0--00 Special Instructions: AB # (leb 156 ofly) 4F2800f Relinquis**f**ed by Relinquish 1 ÷ 100 



PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: ROY RASCON 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

PHONE (505) 393-2326 HOANE MARIAND HOBBS, NM 88240 K.g 1 包 JUL 1 2 2004 *ĤICE OPERATING* HOBBS, NM

Receiving Date: 07/06/04 Reporting Date: 07/08/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD

LAB NUMBER SAMPLE ID

Sampling Date: 07/01/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

| GRO                                | DRO                                  |         |
|------------------------------------|--------------------------------------|---------|
| (C <sub>6</sub> -C <sub>10</sub> ) | (>C <sub>10</sub> -C <sub>28</sub> ) | CI*     |
| (mg/Kg)                            | (mg/Kg)                              | (mg/Kg) |

| ANALYSIS DATE               | 07/06/04 | 07/06/04 | 07/06/04 |
|-----------------------------|----------|----------|----------|
| H8879-1 REMD. BACKFILL      | <10.0    | 414      | 289**    |
|                             |          |          |          |
|                             |          |          |          |
| Quality Control             | 778      | 819      | 1000     |
| True Value QC               | 800      | 800      | 1000     |
| % Recovery                  | 97.3     | 102      | 100      |
| Relative Percent Difference | 12.4     | 10.8     | 2.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI B \*Analyses performed on 1:4 w.v aqueous extracts.

\*\*Matrix interference (color) observed.

John

Date

H8879A.XLS

1.1

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within thirty (30) days any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within thirty (30) days any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within thirty (30) days any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within thirty (30) days any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within thirty (30) days any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days of the applicable service. In no event shall Cardinal within thirty (30) days of the cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days of the applicable service. In no event shall Cardinal within thirty (30) days of the cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days of the applicable service. In no event shall Cardinal within thirty (30) days of the applicable service. In no event shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service and the applicable service. affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

| le  |  | ·<br>·   |   |                             |  |                                |                  |                    |                         | CHAI  | CHAIN-OF-CUSTODY AND ANALYSIS REQUEST | тору                    | AND                           | ANAL                                | YSIS F  | REQUE                             | ST                     |
|---|--|--|---|-----------------------------|--|--------------------------------|------------------|--------------------|-------------------------|---|---------------------------------------|-------------------------|-------------------------------|-------------------------------------|---|-----------------------------------|------------------------|
| ( AZAF                                    | ARDINAL LABORATORIES, INC<br>2111 Beactwood, Abliene, TX7<br>(916) 673-7001 Fax (916) 673-   | LABORATORIES, INC.<br>2111 Beectwood, Abliene, TX 79603<br>(915) 673-7001 Fax (916) 673-7020 |   | East<br>5) 393              | 101 East Marfand, Hobbe, NM 88240<br>(665) 393-2326 Fer (605) 393-2476 | td, Hoi<br>Fax (B              | obe, N<br>161 39 | NJ 88<br>3-247     | 540                     |   | ·<br>·                                |                         |                               |                                     | e Dag   | 4<br>4                            |                        |
| Company Name:                             | RICE Obic  | Dicatina   | 1   |                             |  |                                |                  |                    |                         | BILLTO  |                                       |                         | AN                            | ALYSIS                              | ANALYSIS REQUEST  | šТ                                | Π                      |
| Project Manager:                          | Roy Roscor   |  |   |                             |  |                                | P.O. #:          | <b>#</b> :         |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
| Address: 123                              | P_N  |  |   |                             |  |                                | Com              | Company:           |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
| city: Hobbs                               |  | State: NM  | Zip:  | 882                         | 07   |                                | Attn:            |                    |                         |   |                                       |                         |                               |                                     |   | <del></del>                       |                        |
| Phone # 393                               | 393-9174   | Fax#: 397  | -147  |                             |  |                                | Address:         | 858;               |                         | -   |                                       |                         |                               |                                     |   |                                   | · · ·                  |
| Project#:                                 |  | Project Owner:   |   |                             |  |                                | CHy:             |                    |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
| Project Name: (                           | C-4-3  |  |   |                             |  |                                | State:           |                    |                         | ZIp:  |                                       |                         |                               | <u> </u>                            |   |                                   |                        |
| Projact Location:                         | 021 12020000   |  |   |                             |  |                                | Pho              | Phone #:           |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
| Sampler Name:                             | Jor batts  |  |   |                             |  |                                | Fax #:           |                    |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
| FOR LABUSE ONLY                           | (  |  |   | L                           | MATRIX   | Ř                              | F                | PRESERV.           | RV.                     | SAMPLING  | DNI                                   |                         | 5                             |                                     |   |                                   |                        |
|   |  |  |   |                             |  |                                |                  |                    |                         |   |                                       | X.                      |                               | 5) 08                               |   |                                   |                        |
| Lab I.D.                                  | Sample I.D.  | l.n.   | O) RO BAR(O)<br>SONTAINER   | ταψανυόρε                   | SOIL   | BLUDGE<br>DIL                  | : Язнтс          | CE I COOF          | : ЯЭНТС                 | DATE  | TIME                                  | JL8                     | 101                           | HdL                                 |   |                                   |                        |
| 1-1/2020                                  | REMO RALFU   | 11   | -   | - <u> </u>                  | +  | +                              |                  |                    |                         | P11/2   | 8120                                  |                         |                               |                                     |   | <br>                              |                        |
| · · · · · · · · · · · · · · ·             |  |  | >   |                             |  | +                              |                  | +                  | $\Box$                  | 10111   | ~~~                                   |                         | .                             |                                     |   |                                   |                        |
|   |  |  |   |                             |  | $\left\lfloor - \right\rfloor$ |                  | $\left  - \right $ |                         |   |                                       |                         |                               |                                     | •   |                                   |                        |
|   |  |  |   |                             | _  | _                              | Ť                |                    |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
|   |  |  |   |                             |  | +                              |                  |                    |                         |   |                                       | _                       |                               |                                     | +   | +                                 |                        |
|   |  |  |   |                             |  | ┼                              |                  |                    | 1                       |   |                                       |                         |                               | -                                   |   |                                   |                        |
|   |  |  |   |                             |  | ┼┼                             |                  |                    |                         |   |                                       |                         |                               |                                     |   |                                   |                        |
|   |  |  |   |                             |  |                                |                  |                    |                         |   |                                       |                         |                               |                                     |   |                                   | <u> </u>               |
| PLEASE HOTE: Labory and Da                | PLISE ROTE. Labory and Darwyer. Cardinale undry and chert's extuare noneof/is ary chan arrang whether beach in corriect or toric, and by beindal to the smooth part by the cleri<br>andrese. At chere have groves for regioness are strateouse shelp a daroad under made in untry and reached with 30 dary the consident of the appears  | ואלונגות המתכץ אר פוץ כופנה ברצוב<br>הספוטר באמן אב מסמואם אשאים נחומנו ו                    | שור השלים הביכל או כשורים<br>שני השלים h אולהם אול ושכולישל   | d in contra                 | at a tor   | or tort, shull be to           | british to U     | r complete         | A prad                  | the amount part by the clerit for the<br>set completion of the applicable |                                       | Tarms and<br>30 days pa | Conditioner<br>St file at the | Interest will be<br>trate of 24% pc | Tarma and Conditioned Inferent will be charged on all accounts more than<br>30 days pest due at the 121% per annum from the original date of knobs. | accounts more<br>he original date | linan<br>e ol innoice, |
| sectors, in pursues was carous situations | rescue into every second as provide a consequence of anotes, novad without into a none at finite provide a provide for the finite of the finite of a society of of or field in the primerican second and the society of the constraint of the society of t | magos, novoing mitrout interior, built<br>se becounder by Cantind, repardens of              | busers stringptons, loss of lys, or fors of profil frouting fourned by closel, he abulteries<br>a d'whether auch claim is beacel upon any of the above stathed reasons or objectivies | a, 1044 of 1<br>Isfa is bas | ate, or iona<br>Si lipicit arij  | of proton is<br>r of the abo   | curred by c      | detant a           | ubuldierwe<br>otherwise |   |                                       |                         |                               |                                     |   |                                   |                        |
| Sampler Relinquish                        | Sampler Relinquished:  | Date:  | Received By:  | ed By:                      |  |                                |                  |                    |                         |   | Phone Result<br>Fax Result            | 00                      | 1 Yes<br>7 Yes                | 22<br>00                            |   |                                   |                        |
|   | :  | Time:  |   |                             |  |                                |                  |                    |                         |   | REMARKS:                              |                         | ł                             |                                     |   |                                   |                        |
| Ralinquishad By:                          | t  | Date: 7/6/04   | Received By: (Lab Staff)  | ed By:                      | (Lab   | Staff)                         | R                | No.                |                         |   |                                       |                         |                               |                                     |   |                                   | ······                 |
| Delivered By: (Circle One)                | rcia One)  |  | ř   | Samp                        | Le s   | ondition                       | -                | Checked<br>Bv:     | Ĭ                       |   | •                                     | ,                       |                               |                                     |   |                                   |                        |
| Sambler - UPS - Bua - Other               | la - Other:  | •  |   | 22                          |  | £<br>₹                         |                  | (Initials)         | . •                     | <br>-<br>-  |                                       |                         |                               | U                                   |   |                                   |                        |
| t Cardinal can                            | + Cardinal cannot accept verbal changes. Please fax written changes to (915) 573-7020.   | es. Please fax written c   | hanges  | 0 (915                      | ) 573-7  | 020.                           |                  |                    |                         | -   |                                       |                         |                               |                                     |   |                                   |                        |

A CONTRACTOR

No. A. H.



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: J. GATTS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 06/17/04 Reporting Date: 06/18/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD

Sampling Date: 06/17/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/AH

| GRO              | DRO                                  |         |
|------------------|--------------------------------------|---------|
| $(C_{6}-C_{10})$ | (>C <sub>10</sub> -C <sub>28</sub> ) | Cl*     |
| (mg/Kg)          | (mg/Kg)                              | (mg/Kg) |

LAB NUMBER SAMPLE ID

| ANALYSIS DATE               | 06/17/04 | 06/17/04 | 06/18/04 |
|-----------------------------|----------|----------|----------|
| H8834-1 SOURCE @ 17' BGS    | 21.7     | 2640     | 64       |
|                             |          |          |          |
| Quality Control             | 803      | 808      | 1020     |
| True Value QC               | 800      | 800      | 1000     |
| % Recovery                  | 100      | 101      | 102      |
| Relative Percent Difference | 3.9      | 1.8      | 1.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI B \*Analysis performed on a 1:4 w:v aqueous extract.

04

#### H8834A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



and the second

100

1.00

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: J. GATTS 122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 06/17/04 Reporting Date: 06/18/04 Project Number: NOT GIVEN Project Name: C-4-3 Project Location: BD Sampling Date: 06/17/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

\_. .. ..

| LAB NÜMBER     | SAMPLE ID        | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|----------------|------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DA    | TE               | 06/17/04           | 06/17/04           | 06/17/04                    | 06/17/04                    |
| H8834-1        | SOURCE @ 17' BGS | 0.298              | 0.065              | 4.78                        | 5.71                        |
|                |                  |                    |                    |                             |                             |
| Quality Contro |                  | 0.102              | 0.098              | 0.093                       | 0.273                       |
| True Value QC  |                  | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery     |                  | 102                | 98.4               | 93.4                        | 90.9                        |
| Relative Perce | nt Difference    | 5.6                | 3.1                | 1.2                         | 0.8                         |

METHOD: EPA SW-846 8260

LA Coshi

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims including togse for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

| CHAIN-OF-CUSTODY AND ANALYSIS REQUEST |   | Page of                      | ANALYSIS REQUEST   |                      |                 | · · · · · · · · · · · · · · · · · · · |          |                |                            | 570                    |                    |  |  |               |      |  |  | <b>Terms</b> and Conditioned: Interest will be charged on all accounts more than<br>30 days past due at the rate of 24% per annum from the original date of Innoca,<br>and all costs of robections, including attorney's test.  | D Yes D No   |                          |   |
|---------------------------------------|---|------------------------------|--------------------|----------------------|-----------------|---------------------------------------|----------|----------------|----------------------------|------------------------|--------------------|--|--|---------------|------|--|--|---|--|--------------------------|---|
| HAIN-OF-CUST                          | - <b></b> *   |                              |                    |                      |                 |                                       |          |                |                            |                        |                    | SAMPLING                                 | TIME   | 100           |      |  |  | or the  | Phone Result:<br>Fax Result:<br>REMARKS:   |                          | • |
|                                       |   | 38, NNI 88240<br>5) 393-2476 | BILL TO            | P.O.#:               | Company:        | Attn:                                 | Address: | City:          | State: Zlp:                | #                      | Fax #:             | PRESERV.                                 | DTHER :<br>ACID/BASE:<br>CE / COOL<br>DTHER ;<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B | 6/17          |      |  |  | ed to the amount part by the client<br>are effer completion of the applicable<br>rod by chert, he advidance,  | stated reasons at otherwise.   | and the                  |   |
|                                       | 15 East Martand, Hobbs, NNI 88740                           |                              |                    |                      |                 | U1788                                 |          |                |                            |                        |                    | MATRIX                                   | SCONTAINERS<br>SROUNDWATER<br>MASTEWATER<br>SOIL<br>SOIL<br>SUDGE  |               |      |  |  | sed in contract of fort, shall be limite<br>is and recoived by Cerdinal within 30 ds<br>one, loss of use, or loss of profin hour  | ved By:  | Received By: (Lab Staff) |   |
|                                       | LABORATORIES, INC.<br>2111 Baectwood, Abliene, TX 79603 101 |                              | )                  |                      |                 | State: A/M Zip:                       | Fax #;   | Project Owner: |                            |                        |                    |  | C)AAB OR (C)OMP.   | -             |      |  |  | <br><br>romedy for any clarm Briang whether be<br>of be doorned waived trians made in writh<br>kubing without finitation, business fremtytk   | nder by Cardinal Ingrediene of Whether such cleans is based<br>Dates:<br>Time:                         | 1.7/06                   |   |
| •                                     | ARDINAL LABORATORIES, INC.<br>2111 Beechwood. Ablene. 17 79 | (915) 673-7001               |                    | 6a7                  | U. Tackor       | )                                     | 174      |                |                            |                        | J. Catts           | فتريق بترجيب والمترجين والمتراف والمترجي | Sample I.D.  | Source at 17' |      |  |  | ardinal's liability and client's excisive r<br>troe and any other counte whiteoever site<br>r insidential or connected duranges, inc  | d to the performance of earliest haranne   |                          | - |
| R                                     | NIGAR ARDIN   |                              | Company Name: Zičť | Project Manager: Jac | Address: / 22 / | city: Habbs                           | 393-9    | Project #:     | Project Name: $C - 4^{-3}$ | Project Location: $RD$ | Sampler Name: 5. ( | FOR LAB USE ONLY                         | Lab I.D.   | KKYY Sou      | <br> |  |  | PLEASE HOTS: Lablery and Damages, Cardinals lability and clearly endown romedy for any disent writted writting and the second of the amount part by the clearly to the<br>ambres. At delets inded there for neglectors and any other cause whereas the be deemed wind enter marked in the and the complete of the applicable<br>service. In movent that Carding to table for indental or consequent a subsect without in the part for the amount part by the second second<br>service. In movent that Carding to table for indental or consequent at mores, including without in the part for the and second second second second second second second second | iffates of accessor such out of or related to be performence of services har<br>Sampler Rellinguished: | Railinguished By:        |   |

である