

1R - 426-134

**GENERAL
CORRESPONDENCE**

YEAR(S):
2005



PHOENIX ENVIRONMENTAL LLC

P.O. Box 1856

2113 French Dr.

Hobbs, NM 88241-1856

Office 505-391-9685

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September 9, 2005

Irvin Boyd
PO Box 121
Eunice, New Mexico 88231

Attn: Mr. Irvin Boyd

**RE: Rice Operating Sites Located on the Boyd Ranch that are BDA-27 and
the Vent N-11**

Dear Mr. Boyd:

Phoenix Environmental, LLC (Phoenix) would like to take this time to thank you for the opportunity to provide our professional services on the site assessment of the above listed sites that is located on the Boyd Ranch.

If you have any questions and/or need more data in regards to this project please call at any time.

Sincerely,

Allen Hodge, REM
Sr. Project Manager
Phoenix Environmental LLC

2005 JUN 12 PM 3 41



Summary/Overview

The two Rice Operating sites should be completed and remediated in accordance with the standards of the Boyd Ranch and the New Mexico Oil Conservation Division (NMOCD) guidelines for cleanup of spills and releases. It is our understanding that any potential contamination from the site was a result of activities associated with the disposal of waste water or produced water from the oil and gas industry.

The potential contaminants of concern are mid to high-level concentrations of petroleum-based hydrocarbons and produced water that were lost due to a disposal line leak and from old junction box leaks, that were absorbed by the surrounding near-surface soils.

The NMOCD regulates the remediation and disposal of non-domestic wastes resulting from the Oil and Gas industry. In addition, the NMOCD administers all Water Quality Act regulations pertaining to surface and ground water except sewage for the oil and gas industry. This authority includes the disposition of non-domestic, non-hazardous wastes at Oil and Gas facilities.

The two Rice Operating sites are the BDA-27 located in unit A of Sec. 27, T22S, and R37E in Lea County New Mexico and the Vent N-11 located in Sec. 11, T22S and R37E in Lea County New Mexico. The site BDA-27 had a GPS readings of 32° 22' 04.5" N and 103° 08' 43.2" W with an elevation of 3,341' ASL and the site Vent N-11 had a GPS reading of 32° 24' 11.0" N and 103° 08' 17.5" W with an elevation of 3,355' ASL. The lands primary use is domestic pasture for ranching and the production of oil and gas. The site is located on the Boyd Ranch.

The ground water depth data available for this section from the state engineer's office showed the depth to ground water to be in the 50' range at the BDA-27 and in the 40' range at the Vent N-11.

Pursuant to the standards of the Boyd Ranch and the NMOCD guidelines for clean up of leaks and spills, the clean up level for these sites will be at <100ppm of TPH and ND for BTEX. This is due to the fact that the ground water in the area is less than 50' BGS. The Boyd Ranch requires that the chlorides be at background levels or very near (<100ppm).



Assessment Data

Phoenix was contracted by the Boyd Ranch to be at the sites in order to witness and split samples with Rice Operating to insure that the Boyd Ranch gets good site data on the amount of impact at the two sites.

The first site was the BDA-27 where Rice had a spill of produced water that ran out into the pasture and impacted an estimated 15,000sq/ft of surface area. In May of 2005 Rice was on site and hand augured soil samples across the spill area. Phoenix split these samples with Rice and then sent select samples to a third party lab for analysis. The samples were tested for TPH, BTEX and CL. The lab analysis showed that vertical impact went down into the 5' range (See lab analysis).

Based on the lab analysis from the first site there would be an estimated 2,778cyds of impacted soils that need to be addressed for site closure.

The second site the Vent N-11 is a junction box for their pipelines where they had had several leaks in the past that had not been cleaned up. In June of 2005 Rice was on site with a backhoe to dig some test holes to sample and check the vertical depth of impact. Rice first started at the box and then started going out north, south, east and west in 5' increments. Rice didn't finish the vertical and horizontal delineation of the impact and stopped at 15' west and 15' east and only went 5' north and south. Samples were taken from the test holes and select samples were sent to a third party lab for analysis and tested for TPH, BTEX and CL. The lab analysis showed that there were very high levels of TPH in the 12,000ppm range and CL in the 1,500ppm (See lab analysis). Rice said that they were going to be back, but as of yet they have not. The total amount of impacted soils at this site is not known as of this date due to the fact that Rice has not finished the assessment of the site.

On 8-31-05, 9-1-05 and 9-2-05 Rice had Hicks Consultants on the BDA-27 site with a drilling rig to drill test holes to define the vertical depth of impact. The first boring on the south end of the BDA-27 spill showed that the CL impact went all the way to water and was completed as a monitor well to check the level of impact to the groundwater. Hicks drilled 7 more borings down through the spill area with a average depth of 18'. Using the surface area and the average depth of impact this site will yield an estimated 10,000cyds of impacted soils that need to be addressed for site closure.



Taking the average cost of clean ups for this area at 40.00cyd it would take an estimated 400,000.00 to clean up this site. This estimated cost does not include the cost of addressing the groundwater impact.

Note: The Vent N-11 has a very real threat of being in the ground water due to the fact that the vertical depth was not found and the excavation has been left open. With all the rain the site has had in the past few months with run off going into the hole it is pushing the impact into the groundwater.

If you have any questions and/or need more data in regards to this project please call at any time.

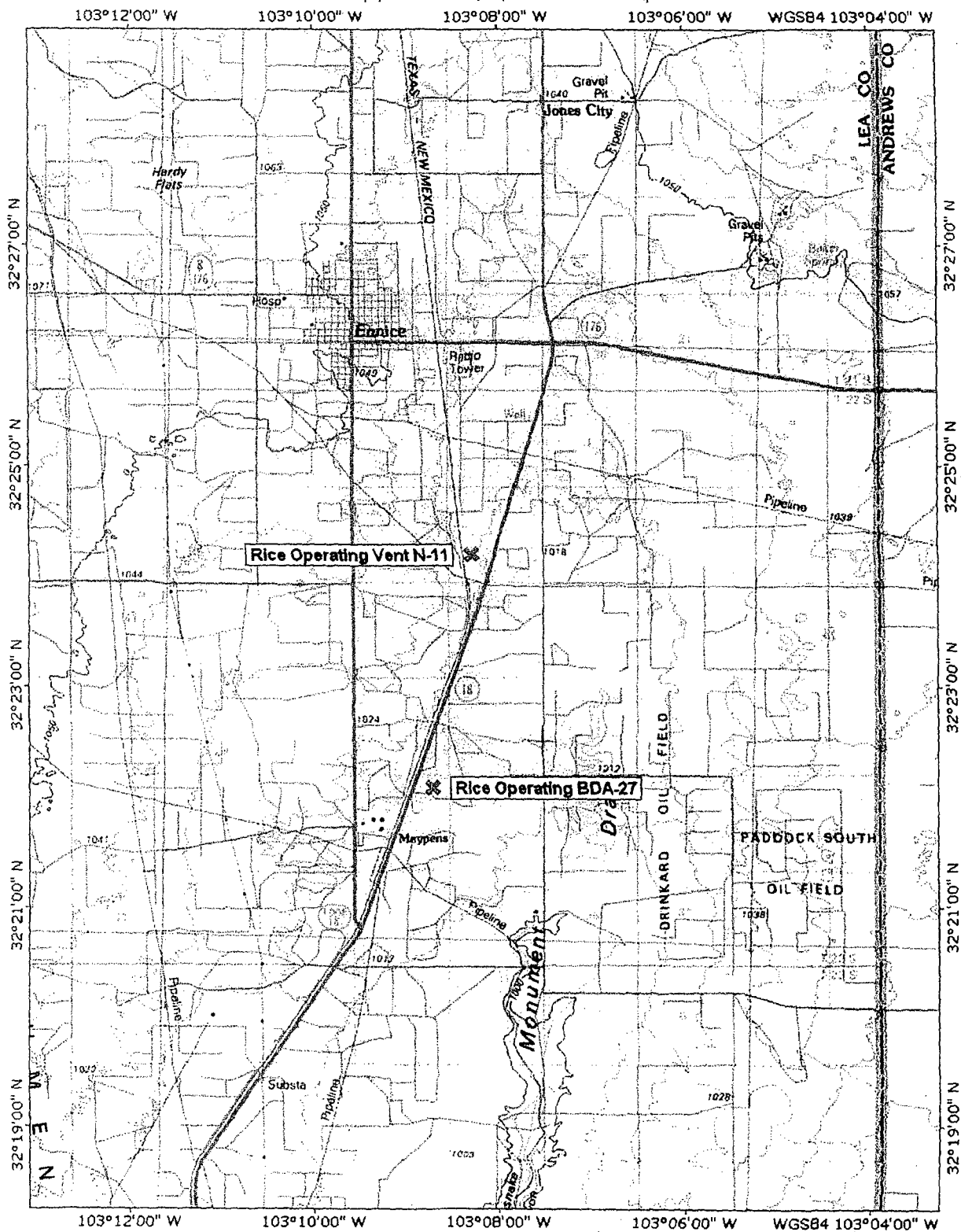
Sincerely,

A handwritten signature in black ink, appearing to read 'Allen Hodge', with a stylized flourish at the end.

Allen Hodge, REM
Sr. Project Manager
Phoenix Environmental LLC



TOPO! map printed on 09/13/05 from "Untitled.tpo"



TN MN
84°

Map created with TOPO! © 2003 National Geographic (www.nationalgeographic.com/topo)



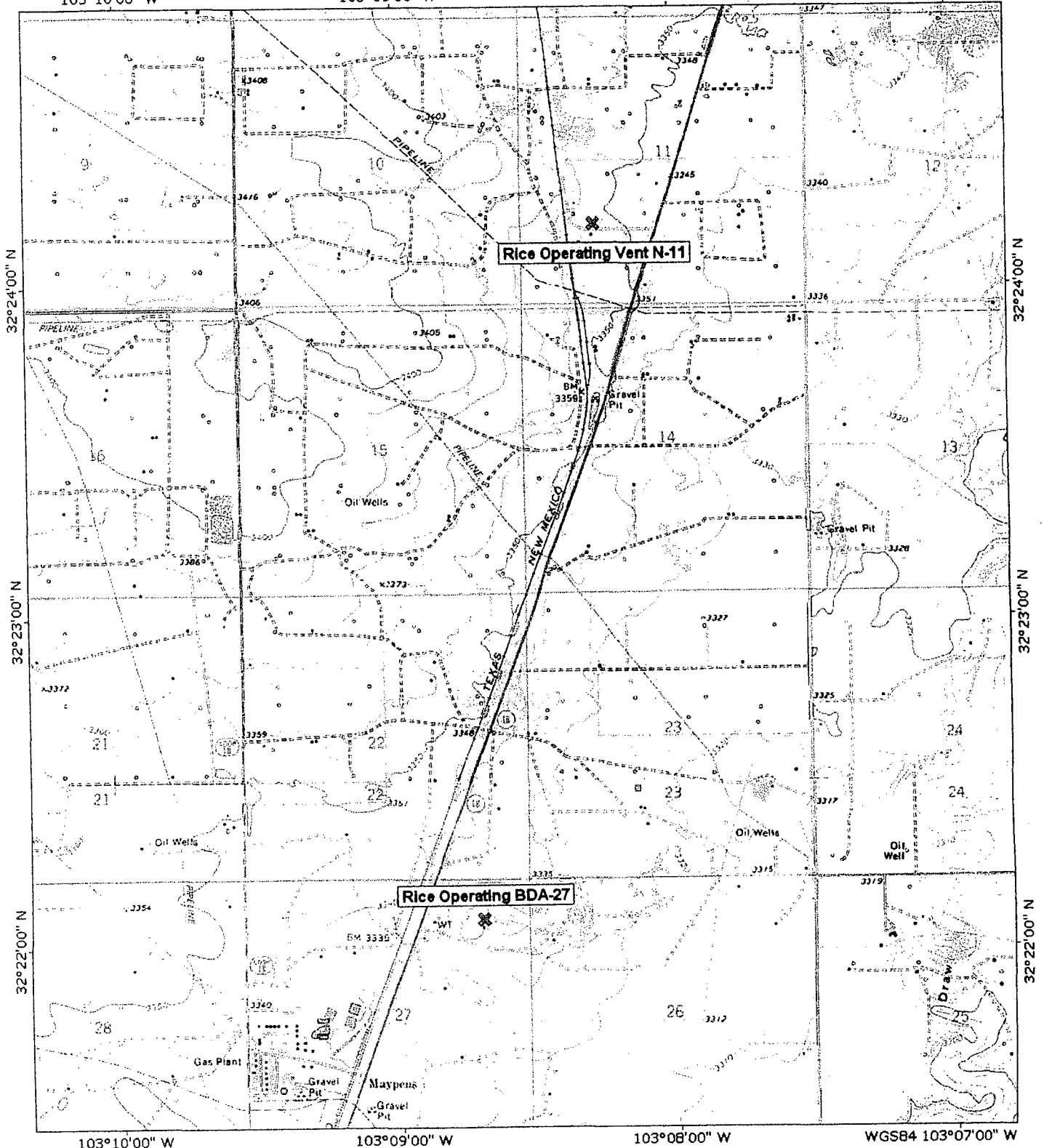
TOPO! map printed on 09/13/05 from "Untitled.tpo"

103°10'00" W

103°09'00" W

103°08'00" W

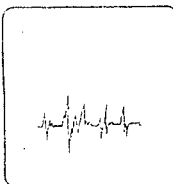
WGS84 103°07'00" W



TN MN
8°

0 1000 FEET 0 500 1000 METERS
Map created with TOPO! © 2003 National Geographic (www.nationalgeographic.com/topo)





ASSAIGAI ANALYTICAL LABORATORIES, INC.

4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

PHOENIX ENVIRONMENTAL, LLC
attn: ALLEN HODGE
PO BOX 1856
HOBBS

NM 88241

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: PHOENIX ENVIRONMENTAL, LLC
Project: BOYD / RICE - BDA-27
Order: 0505431 PHO01 Receipt: 05-19-05

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: SP-13 @ SURFACE 0-6"
Matrix: SOIL

Collected: 05-18-05 8:00:00 By: DP

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-01A		EPA 300.0 Anions by IC						By: JTK		
W05400	WC.2005.1422.9	16887-00-6	Chloride	5.05	mg / Kg	10	0.5		05-24-05	05-23-05
0505431-01A		SW846 5035B/8015B GRO by GC/FID						By: TRS		
V05034	XG.2005.879.16		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05
0505431-01A		SW846 5035B/8021B Purgeable VOCs by GC/PID						By: TRS		
V05020	XG.2005.863.5	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.5	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.5	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.5	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005.863.5	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-01A		SW846 8015B Diesel Range Organics by GC/FID						By: JWB		
S05024	XG.2005.852.59		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05

Sample: SP-13 @ 4'
Matrix: SOIL

Collected: 05-18-05 8:10:00 By: DP

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-02A		EPA 300.0 Anions by IC						By: JTK		
W05400	WC.2005.1422.11	16887-00-6	Chloride	6.45	mg / Kg	10	0.5		05-24-05	05-23-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: PHOENIX ENVIRONMENTAL, LLC
 Project: BOYD / RICE - BDA-27
 Order: 0505431 PHO01 Receipt: 05-19-05

Sample: SP-14 @ SURFACE 0-6" Collected: 05-18-05 8:20:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-03A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.14	16887-00-6	Chloride	1610	mg / Kg	10	0.5		05-24-05	05-23-05

Sample: SP-14 @ 2' Collected: 05-18-05 8:30:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-04A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.16	16887-00-6	Chloride	897	mg / Kg	10	0.5		05-24-05	05-23-05

Sample: SP-19 @ SURFACE 0-6" Collected: 05-18-05 8:40:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-05A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.18	16887-00-6	Chloride	1360	mg / Kg	10	0.5		05-24-05	05-23-05

Sample: SP-19 @ 2' Collected: 05-18-05 8:50:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-06A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.20	16887-00-6	Chloride	426	mg / Kg	10	0.5		05-24-05	05-24-05

Sample: SP-25 @ SURFACE 0-6" Collected: 05-18-05 9:20:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-07A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.22	16887-00-6	Chloride	816	mg / Kg	10	0.5		05-24-05	05-24-05

Sample: SP-25 @ 2' Collected: 05-18-05 9:30:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-08A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.24	16887-00-6	Chloride	2100	mg / Kg	100	0.5		05-24-05	05-24-05

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Certificate of Analysis

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Client: **PHOENIX ENVIRONMENTAL, LLC**
 Project: **BOYD / RICE - BDA-27**
 Order: **0505431 PHO01** Receipt: **05-19-05**

Sample: **SP-25 @ 2'** Collected: 05-18-05 9:30:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
Sample:	SP-26 @ SURFACE 0-6"									
Matrix:	SOIL									
Collected: 05-18-05 9:50:00 By: DP										

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date	
0505431-09A		EPA 300.0 Anions by IC								By: JTK	
W05400	WC.2005.1422.27	16887-00-6	Chloride	1710	mg / Kg	10	0.5		05-24-05	05-24-05	
0505431-09A		SW846 5035B/8015B GRO by GC/FID								By: TRS	
V05034	XG.2005.879.17		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05	
0505431-09A		SW846 5035B/8021B Purgeable VOCs by GC/PID								By: TRS	
V05020	XG.2005.863.8	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05	
V05020	XG.2005.863.8	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05	
V05020	XG.2005.863.8	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05	
V05020	XG.2005.863.8	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05	
V05020	XG.2005.863.8	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05	
0505431-09A		SW846 8015B Diesel Range Organics by GC/FID								By: JWB	
S05024	XG.2005.852.60		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05	

Sample: **SP-26 @ 1'** Collected: 05-18-05 10:10:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date	
0505431-10A		EPA 300.0 Anions by IC								By: JTK	
W05400	WC.2005.1422.29	16887-00-6	Chloride	1310	mg / Kg	10	0.5		05-24-05	05-24-05	

Sample: **SP-35 @ SURFACE 0-6"** Collected: 05-18-05 10:20:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date	
0505431-11A		EPA 300.0 Anions by IC								By: JTK	
W05400	WC.2005.1422.31	16887-00-6	Chloride	5.64	mg / Kg	10	0.5		05-24-05	05-24-05	

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: PHOENIX ENVIRONMENTAL, LLC
 Project: BOYD / RICE - BDA-27
 Order: 0505431 PHO01 Receipt: 05-19-05

Sample: SP-35 @ 2' Collected: 05-18-05 10:30:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-12A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.33	16887-00-6	Chloride	6.34	mg / Kg	10	0.5		05-24-05	05-24-05

Sample: SP-47 @ SURFACE 0-6" Collected: 05-18-05 10:40:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-13A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.36	16887-00-6	Chloride	194	mg / Kg	10	0.5		05-24-05	05-24-05

Sample: SP-47 @ 2' Collected: 05-18-05 10:50:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-14A		EPA 300.0 Anions by IC By: JTK								
W05400	WC.2005.1422.38	16887-00-6	Chloride	925	mg / Kg	10	0.5		05-24-05	05-24-05

Sample: SP-61 @ SURFACE 0-6" Collected: 05-18-05 11:00:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-15A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.7	16887-00-6	Chloride	10.9	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: SP-61 @ 3' Collected: 05-18-05 11:10:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-16A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.9	16887-00-6	Chloride	1070	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: SP-66 @ SURFACE 0-6" Collected: 05-18-05 11:30:00 By: DP
 Matrix: SOIL

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-17A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.11	16887-00-6	Chloride	1290	mg / Kg	10	0.5		05-25-05	05-24-05

Assagai Analytical Laboratories, Inc.

Certificate of Analysis

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Client: **PHOENIX ENVIRONMENTAL, LLC**
 Project: **BOYD / RICE - BDA-27**
 Order: **0505431 PHO01** Receipt: **05-19-05**

Sample: **SP-66 @ SURFACE 0-6"**

Collected: 05-18-05 11:30:00 By: DP

Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-17A		SW846 5035B/8015B GRO by GC/FID						By: TRS		
V05036	XG.2005.885.5		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-26-05	05-26-05
0505431-17A		SW846 5035B/8021B Purgeable VOCs by GC/PID						By: TRS		
V05020	XG.2005.863.9	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.9	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.9	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.9	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005.863.9	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-17A		SW846 8015B Diesel Range Organics by GC/FID						By: JWB		
S05024	XG.2005.852.61		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05

Sample: **SP-66 @ 3'**

Collected: 05-18-05 11:40:00 By: DP

Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-18A		EPA 300.0 Anions by IC						By: JTK		
W05403	WC.2005.1429.14	16887-00-6	Chloride	1480	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: **SP-70 @ SURFACE 0-6"**

Collected: 05-18-05 12:00:00 By: DP

Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-19A		EPA 300.0 Anions by IC						By: JTK		
W05403	WC.2005.1429.16	16887-00-6	Chloride	ND	mg / Kg	10	0.5		05-25-05	05-24-05
0505431-19A		SW846 5035B/8015B GRO by GC/FID						By: TRS		
V05034	XG.2005.879.19		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05
0505431-19A		SW846 5035B/8021B Purgeable VOCs by GC/PID						By: TRS		
V05020	XG.2005.863.10	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.10	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.10	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.10	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005.863.10	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505431-19A		SW846 8015B Diesel Range Organics by GC/FID						By: JWB		
S05024	XG.2005.852.62		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**
 Project: **BOYD / RICE - BDA-27**
 Order: **0505431 PHO01** Receipt: **05-19-05**

Sample: **SP-70 @ 6'** Collected: 05-18-05 12:20:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-20A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.18	16887-00-6	Chloride	10.8	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: **SP-77 @ SURFACE 0-6"** Collected: 05-18-05 12:30:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-21A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.20	16887-00-6	Chloride	416	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: **SP-77 @ 4'** Collected: 05-18-05 12:40:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-22A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.22	16887-00-6	Chloride	321	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: **SP-85 @ SURFACE 0-6"** Collected: 05-18-05 13:00:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-23A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.25	16887-00-6	Chloride	730	mg / Kg	10	0.5		05-25-05	05-24-05

Sample: **SP-85 @ 2'** Collected: 05-18-05 13:10:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-24A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.26	16887-00-6	Chloride	1810	mg / Kg	100	0.5		05-25-05	05-24-05

Sample: **SP-1 @ 6"-8"** Collected: 05-18-05 13:30:00 By: DP
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-25A		EPA 300.0 Anions by IC By: JTK								
W05403	WC.2005.1429.29	16887-00-6	Chloride	642	mg / Kg	10	0.5		05-25-05	05-24-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **PHOENIX ENVIRONMENTAL, LLC**
 Project: **BOYD / RICE - BDA-27**
 Order: **0505431 PHO01** Receipt: **05-19-05**

Sample: **SP-1 @ 6"-8"** Collected: **05-18-05 13:30:00** By: **DP**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
SW846 5035B/8015B GRO by GC/FID By: TRS										
0505431-25A										
V05036	XG.2005.885.8		Gasoline Range Organics	ND	mg / Kg	1	0.55		05-26-05	05-26-05
SW846 5035B/8021B Purgeable VOCs by GC/PID By: TRS										
0505431-25A										
V05020	XG.2005.863.11	71-43-2	Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.11	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.11	95-47-6	o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.863.11	108-38-3/106-42	p/m-Xylenes	ND	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005.863.11	108-88-3	Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
SW846 8015B Diesel Range Organics by GC/FID By: JWB										
0505431-25A										
S05024	XG.2005.852.63		Diesel Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05

Sample: **SP-A @ 8'** Collected: **05-18-05 14:00:00** By: **DP**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
EPA 300.0 Anions by IC By: JTK										
0505431-26A										
W05403	WC.2005.1429.31	16887-00-6	Chloride	57.3	mg / Kg	10	0.5		05-25-05	05-25-05

Sample: **SP-B @ 7'** Collected: **05-18-05 14:30:00** By: **DP**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
EPA 300.0 Anions by IC By: JTK										
0505431-27A										
W05403	WC.2005.1429.33	16887-00-6	Chloride	81.3	mg / Kg	10	0.5		05-25-05	05-25-05

Sample: **SP-C @ 12'** Collected: **05-18-05 15:00:00** By: **DP**
 Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
EPA 300.0 Anions by IC By: JTK										
0505431-28A										
W05403	WC.2005.1429.36	16887-00-6	Chloride	1820	mg / Kg	10	0.5		05-25-05	05-25-05

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis*All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).*

Client: **PHOENIX ENVIRONMENTAL, LLC**
Project: **BOYD / RICE - BDA-27**
Order: **0505431 PHO01** Receipt: **05-19-05**

Sample: **SP-D @ 10'** Collected: **05-18-05 15:30:00** By: **DP**
Matrix: **SOIL**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-29A		EPA 300.0 Anions by IC							By: JTK	
W05403	WC.2005.1429.38	16887-00-6	Chloride	29.9	mg / Kg	10	0.5		05-25-05	05-25-05

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

ASSAIGAI
ANALYTICAL
LABORATORIES, INC.

Chain of Custody Record

6301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No.: 07087 Date: 5-14-05

Page 1 of 3

Client: Phosoria Environmental LLC Project Manager / Contact: Allen Dodge

Address: PO BOX 1836 Telephone No.: (505) 391-9685

State / Zip: Hobbs, NM 88201 Fax No.: (505) 391-9687

Client Name / Number: Boyd / RLC-BDA-27 Samplers: (signature) R. Boyd

Order / Purchase Order / Quote

AAI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
21A	SP-13 @ SURFACE	5-18-05	0800	Soil	402		EC2
22A	SP-13 @ 4"	5-18-05	0810				
33A	SP-14 @ SURFACE		0820				
34A	SP-14 @ 2'		0830				
45A	SP-14 @ 0-6"		0840				
60A	SP-14 @ 2'		0850				
67A	SP-25 @ SURFACE		0920				
68A	SP-25 @ 2'		0930				
69A	SP-26 @ SURFACE		0950				
70A	SP-26 @ 1'		1010				
71A	SP-35 @ SURFACE		1020				
72A	SP-35 @ 2'		1030				

Analysis Required		No. of Containers	Remarks
0	1		
TPH 805 mg/L	X	X	
BTX mg/L	X	X	
CL Alkalinity	X	X	

Relinquished by: Signature: <u>Allen Dodge</u> Printed: <u>Allen Dodge</u> Company: <u>Phosoria</u> Reason: <u>from the</u>	Received by: Signature: <u>[Signature]</u> Printed: <u>[Printed]</u> Company: <u>[Company]</u> Reason: <u>[Reason]</u>	Date: <u>5-14-05</u>	Date: <u>5/14/05</u>
		Time: <u>1100</u>	Time: <u>7:55</u>

Method of Shipment: AAI 7 mpy

Instrument No.: _____

Special Instructions: _____

Comments: _____

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

CARRIER

**ASSAIGAI
ANALYTICAL
LABORATORIES, INC.**

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No. : 1002 Date: 3
Page 2 of 3

Project Manager / Contact ALLAN L. BOYD
 Telephone No. (505) 391-9685
 Fax No. (505) 391-9687
 Samplers (signature) A. Boyd
 Name / Number BOYD / RICK BOYD
 State / Zip NM 88241
 Address PO BOX 1856
 City Placitas
 State / Zip NM 88241
 Name / Number BOYD / RICK BOYD

ict / Purchase Order / Quote:

AAU Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
1A	SP-470 0'-6" SURFACE	3-18-03	1010	SOIL	402		Ice
1A	SP-470 2' SURFACE	3-18-03	1050				
2A	SP-610 0'-6" SURFACE		1100				
2A	SP-610 3' SURFACE		1110				
3A	SP-660 0'-6" SURFACE		1130				
3A	SP-660 3' SURFACE		1140				
4A	SP-700 0'-6" SURFACE		1200				
4A	SP-700 6' SURFACE		1220				
5A	SP-770 0'-6" SURFACE		1230				
5A	SP-770 4' SURFACE		1240				
6A	SP-850 0'-6" SURFACE		1300				
6A	SP-850 2' SURFACE		1310				

linquished by _____
 inature _____
 nited _____
 mpany _____
 ason _____

Date	5-14-05
Time	1100

Received by: Sh. J.
Signature S. J. Taber
Printed SALE
Company Sh. To Lts
Reason

Relinquished by: _____
Signature: [Signature]
Printed: S. J. C. B.
Company: AAL
Reason: not taking

Date	5/26/85
Time	7:55

Received by: _____
Signature _____
Printed _____
Company _____
Reason _____

Method of Shipment Air Mail Express
 Payment No. _____
 Special Instructions: _____

Comments: _____

After analysis, samples are to be:

- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

CARRIER

**ASSAIGAI
ANALYTICAL
LABORATORY**

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Page _____ of _____

Project Manager / Contact: 767-1709-3000

Telephone No. 303 / 341 - 9622

Fax No. 505 391-9687

Samplers : (signature) _____

ict / Purchase Order / Quote

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
2A	SP-1 @ 6'-8"	5-8-03	1330	sal	402		Ice
2B	SP-A @ 8'		1400				
2C	SP-B @ 7'		1430				
2D	SP-C @ 12'		1500				
2E	SP-D @ 10'		1530				

Inquired by: Signature _____ Printed _____ Company _____ Reason _____	Date 5-10-05 Time 1100
Received by: Signature _____ Printed _____ Company _____ Reason _____	Relinquished by: Signature _____ Printed _____ Company _____ Reason _____
Date 7/26/05 Time 7:55	
Received by: Signature _____ Printed _____ Company _____ Reason _____	
After analysis, samples are to be:	
☐ Disposed of (additional fee)	
☐ Stored (30 days max)	
☐ Stored over 30 days (additional fee)	
☐ Returned to customer	

CARRIER