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	Fax 505-391-9687
S	September 9, 2005				
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lı	rvin Boyd				J.
F E	2O Box 121 Eunice, New Mexico 88231	1			r->
					Pm
β	Attn: Mr. Irvin Boyd				C
					F.
6	E. Dico Operating Site		on the Dev	d Danah that are DD	A 27 and

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

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 contaminates 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.

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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,

Allen Hodge, REM Sr. Project Manager Phoenix Environmental LLC



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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 codesBAnalyte Detected in Method BlankEResult is EstimatedHAnalyzed Out of Hold TimeNTentatively Identified CompoundSSubcontracted1-9See 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 ENVIR	ONMENTA	L, LLC							
Project:	BOYD / RICE - B	DA-27								
Order:	0505431 PHO	D01	Receipt: 05-19-05	William	P. Biava: Presid	ent of Assaig	ai Analytical Labo	oratories, In	с.	<u> </u>
Sample:	SP-13 @ SURFA	CE 0-6"		Collected: 05-1	8-05 8:00:00) By:	DP			
Matrix:	SOIL									
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-01	1A	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
0505431-01	1A XG 2005 879 16	SW846 503	5B/8015B GRO by GC/FID	ΝΟ	malKa	1	By:	TRS	05-25-05	05-25-05
0505431-01	14	SW846 503	58/8021B Burgesble VOCs by (Ing / Kg	· · ·	0.35 By:	TRS	002000	
V05020	XG 2005 863 5	71-43-2	Benzene		ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG 2005 863 5	100-41-4	Ethylbenzene	ND	ma/Ka	1	0.000		05-23-05	05-23-05
V05020	XG.2005.863.5	95-47-6	o-Xvlene	ND	ma / Ka	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
0505431-0	1A	SW846 801	5B 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: Matrix:	SP-13 @ 4' SOIL			Collected: 05-1	8-05 8:10:00) Ву:	DP			
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505404 0	· · · · · · · · · · · · · · · · · · ·	EDA 000 0	A	· · · · · · · · · · · · · · · · · · ·			·····	· · · · · · · · · · · · · · · · · · ·		
0505431-02 W05400	WC 2005 1422 11	EPA 300.0	Anions by IC	6 A 5	malka	10	By:	JTK	05 24 05	05 33 05
1100400	110.2000,1422.11	10007-00-0		0.40	mg / Kg	10	0.5		və-24-05	05-23-05

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Client:	PHOENIX			L, LLC									
Order:	BUTU / K		04-21	Receint:	05 10 05								
Older.	0505431	PHO	01	Receipt.	05-19-05								
Sample:	SP-14 @	SURFAC	CE 0-6"			Colle	cted: 05-1	8-05 8:20:00) By: I	DP			
Matrix:	SOIL												
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QC Group	Run S	Sequence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
0505431-0	3A		EPA 300.0	Anions by	IC					By:	JTK		
W05400	WC.20	05.1422.14	16887-00-6		Chloride		1610	mg / Kg	10	0.5		05-24-05	05-23-05
Sample:	SP.14 @	2'			·····	Colle	cted: 05-1	8-05 8:30:00	By: A	DP			
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ac Group	Kun a	sequence	CA3 #		Analyte		Result	Units	Facior	C 1111C	COUE	Date	
0505431-0	4A		EPA 300.0	Anions by	IC	·· <u>···</u> ·······			r	By:	JTK		
W05400	WC.20	05.1422.16	16887-00-6		Chloride		897	mg / Kg	10	0.5		05-24-05	05-23-05
Sample:	SP-19 @	SURFAC	E 0-6"			Colle	cted: 05-1	8-05 8:40:00	By:	DP			·····
Matrix:	SOIL												
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OC Group	Que 9	auanco	C 48 #		Analista		Pocult	Unite	Dilution	Detection	Code	Prep	Run
	Kulla	sequence	0A3 #		Analyte		Result	Units	ración	Littl	COUE		Date
0505431-0	5A		EPA 300.0	Anions by	r IC					By:	JTK		
W05400	WC.20	05.1422.18	16887-00-6	<u> </u>	Chloride		1360	mg / Kg	10	0.5]	05-24-05	05-23-05
Sample:	SP-19 @	2'				Colle	cled: 05-1	8-05 8:50:00	By:	DP			······
Matrix:	SOIL												
									Dilution	Detection			D
QC Group	Run S	Sequence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Prep Date	Run Date
0505431-0	6A		EPA 300.0	Anions by	/ IC		400		10	By:	JTK	05 24 05	05 24 05
VV05400	VVC.20	105.1422.20	10007-00-0		Chionde		420	mg / Kg	10	0.5		00-24-00	03-24-05
Sample:	SP-25 @	SURFAC	CE 0-6"		······································	Colle	cted: 05-1	8-05 9:20:00) By:	DP			
Matrix:	SOIL												
	And appendix and a second of the								Dilution	Detection		Prep	Run
QC Group	Run S	Sequence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
	··· · · · · · · ·		FDA 000 0										
W05400	WC.20	05.1422.22	16887-00-6	Anions by	Chloride		816	ma / Ka	10	0.5		05-24-05	05-24-05
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Sample:	SP-25 @	2'				Colle	cted: 05-1	8-05 9:30:00) By:	DP			
Matrix:	SOIL												
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QC Group	Run S	Sequence	CAS #		Analyte		Result	Units	Factor	Limit	Code	Date	Date
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raue z or	0			SULLI	JVULE: KEDORS	E. J. UDUS)10141UXX			Report Da	IB 5/2	1/2005 31	2U.38 PM

Client: Project:	PHO			AL, LLC								
Order:	0505	431 PH	1001	Receipt:	05-19-05							
Sample:	SP-2	25 @ 2'				Collected: 05-1	18-05 9:30:00) By: ,	DP			
Matrix:	SOIL	-						x				
QC Group)	Run Sequenc	e CAS #	·	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
Sample:	SP-2	6 @ SURF	ACF 0-6"			Collected: 05-1	18-05 9:50:00) By: /	DP			
Matrix:	SOIL							-				
QC Group)	Run Sequenc	e CAS #		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-0	A 90		EPA 300.0	Anions by	IC				Bv:	JTK		
W05400		WC.2005.1422.2	27 16887-00-6	T	Chloride	1710	mg / Kg	10	0.5		05-24-05	05-24-05
0505431-0	0 9A		SW846 50	35B/8015B	GRO by GC/FID				Bv:	TRS		
V05034		XG.2005.879.17		Gaso	ine Range Organics	ND	mg / Kg	1	0.55		05-25-05	05-25-05
0505431-0	09A		SW846 50	35B/8021B	Purgeable VOCs by	GC/PID	·····	,	By:	TRS		
V05020		XG.2005.863.8	71-43-2	Ţ	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
0505431-0	A90		SW846 80	15B Diese	Range Organics by	GC/FID			By:	JWB		
S05024		XG.2005.852.60		Dies	el Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05
Sample:	SP-2	?6 @ 1'				Collected: 05-	18-05 10:10:0	00 By:	DP			
Matrix:	SOIL	-		• ·	·							
QC Groun	n	Run Sequenc	e CAS#	•	Analvte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
	· ·			· · · · · · · · · · · · · · · · · · ·								
0505431-1	10A		EPA 300.0	Anions by					By:	JTK		
Wu5400		WC.2005.1422.2	16887-00-6		Chloride	1310	mg / Kg	10	0.5		05-24-05	05-24-05
Sample:	SP-3	35 @ SURF,	ACE 0-6"			Collected: 05-	18-05 10:20:0	00 By:	DP			
Matrix:	SOIL							~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~				
QC Group	0	Run Sequenc	e CAS#		Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505424 4	110		EDA 200 0	Aniona bu					D	ודו		
W05400	ПA	WC.2005 1422 3	EFA 300.0	Anions by	Chloride	5 64	ma / Ka	10	By:		05-24-05	05-24-05
							1.119 / 119	10		لـــــا	00-24-00	00-24-00

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

Client: Project:	РНО ВОҮ	ENIX ENVIRC D / RICE - BD	ONMENTAL, DA-27	LLC									
Order:	0505	431 PHO	01 R	eceipt:	05-19-05								
Sample:	SP-3	5 @ 2'				Collec	cted: 05-18	3-05 10:30:0	00 By: 1	DP		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Matrix:	SOIL												
QC Group		Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-1	24		EPA 300.0 An	ions by	IC					Bv:	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-4	7 @ SURFAC	E 0-6"			Colle	cted: 05-18	3-05 10:40:0	0 By: 1	DP			
Matrix:	SOIL								•				
QC Group		Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
											PT 12		
0505431-1 W05400	3 A	WC.2005.1422.36	16887-00-6	nions by	Chloride		194	mg / Kg	10	0.5	315	05-24-05	05-24-05
						0-14-		05 40.50.0					
Sample:	SP-4	7@2'				Colle	ciea: 05-78	8-03 10:50:0	Ю Ву: 1	UP			
	SOI	-											
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QC Group)	Run Sequence	CAS #		Analyte	**********	Result	Units	Factor	Limit	Code	Date	Date
0505431-1	4A		EPA 300.0 Ar	nions 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-0	61 @ SURFAC	CE 0-6"			Colle	cted: 05-18	8-05 11:00:0	00 By:	DP			
Matrix:	SOI	-											
QC Group) 	Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-1	5A		EPA 300.0 Ar	nions 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: Matrix:	SP-6 SOII	61 @ 3' -				Colle	cted: 05-11	8-05 11:10:(00 By:	DP			
QC Group		Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-1	6A		EPA 300.0 Ar	nions 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: Matrix:	SP-0 SOII	6 @ SURFAC	CE 0-6"			Colle	cted: 05-1	8-05 11:30:0	00 By:	DP			
QC Group) /	Run Sequence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-1	7A		EPA 300.0 Ar	nions by	r IC					By:	JTK		
W05403		WC.2005.1429.11	16887-00-6		Chloride		1290	mg / Kg	10	0.5		05-25-05	05-24-05
Page 4 of	8			SQLC	oyote: Reports	1.3.050	5181410XX		·····	Report Da	te 5/2	7/2005 3:	20:38 PM

STANDARD

Client: Project: Order:	PHOENIX EN BOYD / RICE 0505431	NVIRC E - BD PHO	NMENTA A-27 01	L, LLC Receipt:	05-19-05							
Sample:	SP-66 @ SU	RFAC	E 0-6"			Collected: 05-1	8-05 11:30:0	0 By: L)P			````
Matrix:	SOIL											
								Dilution	Detection		Prep	Run
QC Group	Run Sequ	lence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-1	7A		SW846 503	5B/8015B	GRO by GC/FID				By:	TRS		
V05036	XG.2005.88	85.5		Gasol	ne Range Organics	s ND	mg / Kg	1	0.55		05-26-05	05-26-05
0505431-1	74		SW846 503	5B/8021B	Purgesble VOCs h				Bv	TRS		
V05020	XG.2005.86	33.9	71-43-2		Benzene	ND	ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG 2005.86	33.9	100-41-4		Ethylbenzene	ND	ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG 2005.86	33.9	95-47-6		o-Xvlene	ND	ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG.2005.86	63.9	108-38-		p/m-Xylenes	ND	mg / Kg	1	0.000		05-23-05	05-23-05
105000	XC 2005 86	22.0	3/106-42				1		0.005		05 22 05	05 22 05
V05020	AG.2003.60	55.9	100-00-3	<u>}</u>	Toluene	ND	Ing / Kg		0.005]	03-23-03	03-23-03
0505431-1	7A		SW846 801	5B Diesel	Range Organics	by GC/FID			By:	JWB		
S05024	XG.2005.85	52.61		Dies	el Range Organics	ND	mg / Kg	1	25		05-21-05	05-22-05
Sample:	CD CC @ 31					Collected: 05-	18.05 11.40.		0 <i>p</i>			
Sample.	SP-00 @ 3					Collected. 00-	0-05 11.40.0	ю Бу. 1				
Matrix:	SOIL											
								Dilution	Detection		Prep	Run
QC Group	Run Sequ	uence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505421 1	8 4		EBA 200 0	Anione by	IC				Bvr	אדו		
W05403	WC.2005.1	429.14	16887-00-6		Chloride	1480	ma / Ka	10	0.5		05-25-05	05-24-05
1100100		120.111		1	Onionae	1400	ing / rig]]		
Sample:	SP-70 @ SU	RFAC	CE 0-6"			Collected: 05-	18-05 12:00:	00 By:	DP			
Matrix:	SOIL											
								Dilution	Detection	·	Pren	Run
QC Group	Run Sea	uence	CAS #		Analyte	Result	Units	Factor	Limit	Code	Date	Date
0505431-1	9A		EPA 300.0	Anions by	IC				By:	JTK		
W05403	WC.2005.1	429.16	16887-00-6	l	Chloride	ND	mg / Kg	10	0.5		05-25-05	05-24-05
0505431-1	9A		SW846 503	35B/8015B	GRO by GC/FID				Bv:	TRS		
V05034	XG.2005.8	79.19		Gaso	ine Range Organic	s ND	ma / Ka	1	0.55	[05-25-05	05-25-05
			·		<u> </u>				.1	I		
0505431-1	9A		SW846 50	35B/8021B	Purgeable VOCs	by GC/PID		······································	By:	TRS		
V05020	XG.2005.80	63.10	71-43-2		Benzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.8	63.10	100-41-4		Ethylbenzene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.8	63,10	95-47-6		o-Xylene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
V05020	XG.2005.8	63.10	108-38- 3/106-42	1	p/m-Xylenes	ND	mg / Kg	1	0.01	L	05-23-05	05-23-05
V05020	XG.2005.8	63.10	108-88-3		Toluene	ND	mg / Kg	1	0.005		05-23-05	05-23-05
0505424 4			CINIDAE 00		Panga Organia			- <u>h</u>				
0000431-1	IJA		300040 80	IOD DIESE	Range Organics				L	() () ()		
SUPUL	YC DOGE 9	52.62		D:			mell			JVVB	05 04 05	05 00 05

STANDARC

Assaigai Anaiytical Laboratories, Inc.

Client:	PHO		VIRO	NMENTA	L, LLC									
Order:	BO	1D / RICE	- 50 540	A-27	Receipt.	05 10 05								
Urder.	050	5431	PHU	J.1	Receipt.	02-19-02								
Sample:	SP-	70@6'					Collec	ted: 05-1	8-05 12:20:0	0 By: 1	DP			
Matrix:	SO	L.												
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	nΔ			EPA 300.0	Anions by	IC					Bv-	лтк		
W05403		WC,2005.142	29,18	16887-00-6		Chloride		10.8	mg / Kg	10	0.5		05-25-05	05-24-05
Sample:	SP-	77 @ SUF	FAC	F 0-6"	·		Collec	ted: 05-1	8-05 12:30:0	00 By: 1	DP			
Matrix:	sol	L L												
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	1 A			EPA 300.0	Anions by	IC					Bv:	JTK	,	
W05403		WC.2005.14	29.20	16887-00-6		Chloride		416	mg / Kg	10	0.5]	05-25-05	05-24-05
Sample:	SP-	77 @ 4'					Collec	ted: 05-1	8-05 12:40:0	00 By: 1	DP			
Matrix:	soi	IL.												
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	24			EPA 300.0	Anions by	IC					Bv:	лтк		
W05403		WC.2005.14	29.22	16887-00-6		Chloride		321	mg / Kg	10	0.5]	05-25-05	05-24-05
Sample:	SP-	85 @ SUF	RFAC	E 0-6"			Collec	ted: 05-1	8-05 13:00:0	00 By: 1	DP			
	30	L												
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	3A			EPA 300.0	Anions by	IC					By:	JTK		
W05403		WC.2005.14;	29.25	16887-00-6		Chloride		730	mg / Kg	10	0.5		05-25-05	05-24-05
Sample:	SP-	85 @ 2'					Collec	ted: 05-1	8-05 13:10:0	00 By: 1	DP			¥ ¥0.4 µ¥
Matrix:	SO	L												
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-24	4A			EPA 300.0	Anions by	IC					Bv:	JTK		
W05403		WC.2005.142	29.26	16887-00-6		Chloride		1810	mg / Kg	100	0.5		05-25-05	05-24-05
Sample:	SP-	1@6"-8"					Collec	ted: 05-1	8-05 13:30:0	00 By: 1	DP			
Matrix:	soi	L					_							
QC Group		Run Seque	ence	CAS #		Analyte		Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2 : W05403	5A	WC.2005.14	29.29	EPA 300.0	Anions by	Chloride		642	ma / Ka	10	By: 0.5	JTK	05-25-05	05-24-05
Page 6 of	8			·	SOLC	ovote: Reports	1.3.0505	181410XX		L	Renort Det	e 5/2	7/2005 3-1	0.38 PM

Client:	PHOENIX BOYD / RI	ENVIRO CE - BD	ONMENTAL DA-27	., LLC									
Order: (0505431	РНО	01	Receipt:	05-19-05								
Sample:	SP-1 @ 6"	-8"			- <u> </u>	Collected:	05-18	3-05 13:30:0	0 By: <i>L</i>)P			
Matrix:	SOIL												
QC Group	Run Se	equence	CAS #		Analyte	Res	ult	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-254	Δ.		SW846 5035	B/8015B	GRO by GC/FID					Bv:	TRS		
V05036	XG.2005	5.885.8		Gaso	ine Range Organics	s N	D	mg / Kg	1	0.55		05-26-05	05-26-05
0505424 25	A		SINGAG E024	0/20210	Burgoshla VOCs t					By:	TRS		
0505431-257 V05020	н ХG 2005	5863.11	71-43-2	D/OUZ ID	Benzene		D	ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG 2005	5.863 11	100-41-4		Ethylhenzene	N	 D	ma/Ka	1	0.005		05-23-05	05-23-05
V05020	XG.2005	5.863.11	95-47-6		o-Xviene	N	D	ma / Ka	1	0.005		05-23-05	05-23-05
V05020	XG.2005	5.863.11	108-38-		p/m-Xylenes	N	D	mg / Kg	1	0.01		05-23-05	05-23-05
V05020	XG.2005	5 863 11	3/106-42 108-88-3		Toluene	N	D	ma / Ka	1	0.005		05-23-05	05-23-05
100020			1					119719	L	-	لــــــ		
0505431-25	A		SW846 801	B Diese	Range Organics	by GC/FID				By:	JWB		
S05024	XG.2005	5.852.63		Dies	el Range Organics	N	D	mg / Kg	1	25		05-21-05	05-22-05
Sample: Matrix:	SP-A @ 8 SOIL					Collected:	05-1	8-05 14:00:0	Dilution	DP		Prep	Run
QC Group	Run Se	equence	CAS #		Analyte	Res	sult	Ünits	Factor	Limit	Code	Date	Date
0505431-26	A		EPA 300.0 A	nions by	IC					By:	JTK		
W05403	WC.200	5.1429.31	16887-00-6		Chloride	57	.3	mg / Kg	10	0.5		05-25-05	05-25-05
Samole:	SD D @ 7	,	·····			Collected:	05-1	8-05 14:30.0	00 By:	np			
Matrix:	รคม รถม								,				
	JUL												
					• • •				Dilution	Detection	0.1	Prep	Run
QC Group	Run Se	equence	CAS #		Analyte	Re	sult	Units	Factor	Limit	Code	Date	Date
0505431-27	A		EPA 300.0 /	nions by	IC					By:	JTK		
W05403	WC.200	5.1429.33	16887-00-6		Chloride	8-	.3	mg / Kg	10	0.5		05-25-05	05-25-05
Sample	SPC @ 1	2'				Collected:	05-1	8-05 15:00:(00 By:	DP			
Matrix:	SF-C @ 1.	~											
Maulx.	SOIL												
QC Group	Run Se	equence	CAS #		Analyte	Re	sult	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-28	Δ		EPA 300.0	nions h	IC					Rv.	אדו		
W05403	WC.200	5,1429.36	16887-00-6	anona by	Chloride	15	20	ma / Ka	10	05	110	05-25-05	05-25-05
· · · ·						· · · · · ·		1		1	لــــــ		

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

Client:	PHOENIX E	NVIR	DNMENT	AL, LLC									
Project:	BOYD / RIC	E - 80)A-27										
Order:	0505431	PHO	01	Receipt:	05-19-05								
Sample:	SP-D @ 10		·····			Collected:	05-18-	05 15:30:0	00 By: 1	DP		v	
Matrix:	SOIL												
QC Group	Run Sec	quence	CAS #		Analyte	Res	ult	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0505431-2	9A		EPA 300.0	Anions by	IC					By:	JTK		
W05403	WC.2005.	1429.38	16887-00-6		Chloride	29	.9	ma / Ka	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, is 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 foonotes will appear below.

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

4301 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 ALANOS, NEW MEXICO 87544	(505) 662-2558	() Analysis Required	1 24 1 1 1 1 1 1 1 1 1	SA / / / / / / Bemarks	$\leq 1 < 1 < 1 < 1$	3/I/I/I/													Date Received by: Signature Signature	Time Printed Company A	After analysis, samples are to be:	Disposed of (additional fee) Stored (30 have max)	 Correct over 30 days (additional fee) 	 G Returned to customer 		
hain of Custody Record	Lab Job No. : Date	Page of	L Project Manager / Contact M L L & U H D 2 2	Telephone No. Sos 1 241 - 9 (-565)	Fax No. 505) 341 - 4687	Samplers : (signature)		Time Standare Diversities of Container Temp. Chained V	12 5 5 4 4 0 2. 1 X X X	2810 () / / / / /	X I / I / I OCK	X 1 () 0240	DR40	XII		0730	0330 X X X X		1020 /	1/2/1/ 1/201	Received by: A Relinquished by:	Printed DEAL & LT Printed Printed Company A LT Company A LT Company A L L Company A L L Company A L L L L Company A L L L L L L L L L L L L L L L L L L					CARRIER	
ASSAIGAI	LABORATORIES, INC.	· · ·	PLOSALLA EWITHOUMSOINL	50 BOX 1856	State/Zip FLODDES , WAA SEAN 1	t Name / Number Boy / Rice - B B Par 2 F	act / Purchase Urder / Quote	Factor Sample Number / Location Date	211 SD-13 SURIALE SUB- 5	21 A S 2 - 130 4' 5-18-05	2. A SP-140 SUFFIL	A Soute 2'	22 A ED-19 @ SURFACE	00 N 52-19 @ 21	MA SD-250 Scarper 1	641 5p-25 6 2'	E Sprace System	10 1 Spire 1'	A 52 35 6 500 EAG	RASD-35 C , 2' 1	inquished by Date Date 14-5	mpany 2/25-1X Time ason 5222	had a schimmen A A 1-7 As id	ipment No.	ecial Instructions:			

4-01 Mastreed N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964	3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 583-6000 127 EASTGATE DRIVE, 212-C LOS ALAMOS, NEW MEXICO 8754	(505) 662-2558 O Analysis Required		× / / / / / ×	4/////													Date Received by:	Time Printed Company	After analysis, samples are to be:	Disposed of (additional fee) Stored (30 fave may)	Control over 30 days (additional fee) Returned to customer			
ody Record	ate		9681 1898	20/ /28/	Temp. Chemica / WH2	X 1 577							× ×	×		× •		Relinquished by: Signature	Printed 211 CU-V Company JH L Reason 127 L				RRIER		
thain of Custo	Lab Job No. : Da	Project Manager / Contact AUU2 Teleohone No. 505 341 -	Fax No. (500) 3'4! + Samplers : (signature) 200 200		Time Semple 7ype / Size of Container	1010562 Croz) / (0.50/			1130 /	ohit	1200	00000	1330 /	1249/	Boo	13101	Received by: A A	Printed Selabs Company Afficit		Comments:		CAF	•	· · ·
	LABORATORIES, INC.	NORALY SWIRDINGNIAL LLG	Itate/Zip HOLLS XV-V 38741 Itate/Number & cyc/Ricz 13 D-12-2.	ict / Purchase Order / Quote	AAU Fraction Number	4 Sp-476 Surray 5-18-05	(H 5P-47C 2' 5-80	Sovel C Survey	Ep-pla 2-pi	A SP-LAC SUNFALL	(4 5) bb (3)	\$ 50-700 Serince	24 Sp-700 6, 1	A 52-77@ 2007 404	A SD-770 4' /	52-85 @ 201FM	M Sp-85, 21 1	linquished by: Date.	med A. L. C. Macoga Itime mpany Slassin's Itime	1 1 1 1 1	pment No.	scial instructions:			

4201 Masthead N.E. Al BUQUERQUE, NEW MEXICO 87109 (505) 345-8964	3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000	12/ EASIGATE DHIVE, 212-C LOS ALAMOS, NEW MEXICO 87544 (505) 662-2558	Analysis Required	134 / / / / / / / / / / / / / / / / / / /	SX////////	\$\\\\\\\										Date Received by:////////////////////////////////////	Time Printed	Peason A Company	After analysis, samples are to be: D Dismosor of fadditional feet	() Stored (30 days max)	 Stored over 30 days (additional fee) 	C Returned to customer	
ody Record	Date	5.2 Hades	- 46 85	- 4 (8 7 / 1 / 2 / 2 / 2	20 K K K K K K K K K K K K K K K K K K K		X X X 1 3\[1]		×	× 1	×					Relinquished by	Printed 5 4 6 12	Company RIPT C					
Chain of Custo	Lab Job No. : /	Deniart Manazar / Context // L	Telephone No(5 © 5 3 4 1	Fax No (505) 391	Amplers : (signature)	Time Sample iype / Size of Container	5 1330/sail 402.	1409/1/	1430	1500	1230 / /					Received by: A	Printed STRAT	Company ritic	Comments:				
ASSAIGAI	LABORATORIES, INC.	Nord's Summer Hard	* PO BOX 1856	state/Zip Nobbs (N. 2804)	t Name / Number_DC/Z////CCZ_DU-+	AALJ Field Fraction Sample Number / Location Date	5 1 SP-16 6-8 5-18-0	LA SP-AC 8' /	21 Sp-13 @ 7'	Sp-2 0 12'	1 5 2 · D @ 10' /		·			linquished by: Date	med Aric + / ted & E Time	mpany + h02. ~	hod of Shipment $f(f,f)$ i \mathcal{I}	pment No.	cial Instructions:		

CARRIER