Dustriat	
1625 N. French Dr., Hobbs, NM 88240 District II Energy Minera	of New Mexico Is and Natural Resources Form C-141 Revised June 10, 2003
1301 W. Grand Avenue, Artesia, NM 88210	ρ and relation ρ
1000 Rio Brazos Road, Aztec, NM 87410 District IV	th St Francis D
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	Fe, NM 87505
Release Notificati	on and Corrective Action
Nome of Component OVV USA Inc	OPERATOR Initial Report Final Report
Address: 6 Desta Drive, Suite 6000, Midland, TX 79705	Telephone No. (432) 685-5824
Facility Name: E.C. Hill Federal #8 Well	Facility Type: Well
Surface Owner Unknown Mineral Owne	r Lease No.
LOCATI	ON OF RELEASE AP1 # 30 025 31730
Unit LetterSection\TownshipRangeFeet from theNonO3423S37E800'Sou	th/South Line Feet from the East/West Line County th 1980' East Lea
Latitude _32° 1522.2N	Longitude103° 0855W
NATUR	E OF RELEASE
Source of Release Flowline	Date and Hour of Occurrence Date and Hour of Discovery 12-26-07 @ 11:00 AM NM Time
Was Immediate Notice Given?	If YES, To Whom? d BLM - Phone Message, NMOCD – Phone Message
By Whom?	Date and Hour
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
🗌 Yes 🖾 No	
If a Watercourse was Impacted, Describe Fully.* N/A	
Describe Cause of Problem and Remedial Action Taken.* A 3" poly flowline froze and burst at the edge of location. Approximat	elv 2 barrels was picked up and saturated soil was removed
Describe Area Affected and Cleanup Action Taken.*	
I hereby certify that the information given above is true and complete to	to the best of my knowledge and understand that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by	e notifications and perform corrective actions for releases which may endanger the NMOCD marked as "Final Report" does not relieve the operator of liability
should their operations have failed to adequately investigate and remed	iate contamination that pose a frequency does not renere the operator of maching iate contamination that pose a frequency of the second water, surface water, human health
federal, state, or local laws and/or regulations.	t does not relieve the operator of responsibility for compliance with any other
n li n l	OIL CONSERVATION DIVISION
Signature: MMML Underse	
Printed Name: Mark Andersen	Approved by District
Title: Staff HES Specialist	Approval Date: 10.16.08 Expiration Date: 12.16.08
E-mail Address [.] mark_andersen@oxy.com	Conditions of Approval: AU MATERINE Attached
Date: 9/15/08 Phone: (432) 685-5824	CONTRAMENTED TO BE IRP=# (982
* Attach Additional Sheets If Necessary	REMOVED TO DISPOSAL
CLEANUR PLA DENIE	D RESUBUTBY -> DEADLINE

FGRL 0834551401

01/23/2008 15:23 FAX 432 685 8150 POG	O PRODUCING COMPANY		k⊈]003∕005				
	BE	MENIE					
District I State C	f New Mexico						
District II Energy Mineral	s and Natural Resources		Form C-141 Revised October 10, 2003				
1301 W. Grand Avenue, Artesia, NM 88210 District III	ervation Division on T	5 6 6 6 6 5	Submit 2 Copies to appropriate				
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 Sou	th St. Francis Dr 4	0,7-2008 N	District Office in accordance				
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	Fe. NM 87505	BB2()	side of form				
Release Notificati	on and Corrective A	ction					
		Leitial	Papart E Einal Papart				
Name of Company LA Fig & Poten le una Targ	Contact Par Filic						
Address P.O. Box 10340 Midland Tx 79702	Telephone No. (432)	685-8100					
Facility Name E.C. H:11 B Federal # 8	Facility Type flow lin	re					
Surface Owner Mineral Owne		Lease No	·				
LOCATI	ON OF RELEASE						
Unit Letter Section Township Range Feet from the Nor	th/South Line Feet from the	East/West Line	County				
0 34 235 37E 800 5	outh 1980	East	LEA				
X - 11 - 1 - 27 / 5 - 19 - 1							
Latitude	IN Longitude 103 085	5 W					
NATUR	E OF RELEASE	Walters Da	<u></u>				
Source of Release flow line	Date and Hour of Occurrence	e Date and H	our of Discovery				
Was Immediate Notice Given?	If YES, To Whom? /2	26-07 11:	OO AM				
Yes No Not Require	d BLM - phone Message						
Was a Watercourse Reached?	If YES, Volume Impacting t	he Watercourse					
Yes V No							
If a Watercourse was Impacted, Describe Fully.*		•••••					
NA							
		1-	·••				
Describe Cause of Problem and Remedial Action Taken.*	······································		<				
A 3" poly flowline froze And	burst at the e	dge of la	ocation.				
Approximately 2 bbls was picked up	o And SAturated	t soil rem	ored.				
Describe Area Affected and Cleanup Action Taken.*	Il arrange with	and the	to soil				
High Ander Environmental W	, // ALLESS SITC	ANGIAI	KE JUTT				
SAMPIES. WORN PIAN FO PEMERAATE	will be submitt	EA TOR Clo	Sufe.				
I hereby certify that the information given above is true and complete to	the best of my knowledge and u	nderstand that pursua	ant to NMOCD rules and				
public health or the environment. The acceptance of a C-141 report by	the NMOCD marked as "Final R	eport" does not reliev	ve the operator of liability				
should their operations have failed to adequately investigate and remed	should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health						
federal, state, or local laws and/or regulations.	does not reneve the operator of	esponsibility for con	nphance with any other				
	OIL CONSERVATION DIVISION						
Signature: Gating L. Ellis							
Printed Name: PATRICK L. FILIS	Approved by District Supervisor:						
Inte: CM+S SUPERVISOR	Approval Date:	Expiration Da	ate:				
E-mail Address: cllis C pogo producing . Com	Conditions of Approval:		Attached				
■ Date: /-22-08 Phone: 495-9100							
* Attach Additional Sheets If Necessary							

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SITE INFORMATION						
General Site Info	ന്നബിത്തു					
Sito	allaaraooaa	TE C. Hill Fede	ral #8 Well			
Company:		Pogo Produci	ing Company (N	WOXY USA Inc.)		
Section Townshit	n and Range	Section 34. T	23S. R37 E			
Unit Letter:	J'ana range	10				
Lease Number:	· · · · · · · · · · · · · · · · · · ·	+				
County:		Lea				
GPS:		N32° 15'22.2"	W 103° 08'55"			
Surface Owner:						
Mineral Owner:		+				
Directions:		From Jal, New M	Mexico. intersection	of Hwy.18 and Hwy. 128, go Nort	th for 12.2 miles.	
		Turn Fast onto I	lease road go 1.9 m	road will turn south go 1.6 mi to	a T. Go left at T	
		for 1.1 mi Then	turn right (southwor	t) for aprox 0.5 mi to the well loc	a 1, 00 loit at 1	
		<u> </u>			<u></u>	
Release Data:	1212 12					
Date Released:		12/26/2007		······································		
Type Release:		Oil				
Source of Contar	nination:	Well- Flowline	Leak			
Fluid Releasea:						
Fluids Recovered	·	2 901 ~	and the second			
Official Commun	lications				<u>an</u> an	
Name:	Mark Anderse	en		lke Tavarez		
Company:	OXY, USA, In	IC.		Tetra Tech		
Address:	6 Desta Drive	, Suite 6000		1910 N. Big Spring		
P.O. Box	50250					
Citv:	Midland Texa		1	Midland, Texas	······································	
Dhone number:	(432) 685-56(<u>, , , , , , , , , , , , , , , , , , , </u>		(432) 682- 4559		
Empil:	Mark Ande		+		loop com	
		rsenwoxy.com				
Booldea Officia						
Kanking Smena						
Donth to Groundw			Danking Score	Site Data	<u></u>	
<50 ft			20			
50-99 ft	<u></u>		10			
>100 ft.			0	>100 ft.	· · · · · · · · · · · · · · · · · · ·	
WellHead Protection	on:		Ranking Score	Site Data		
Water Source <1,0	00 ft., Private <	:200 ft.	20	None		
Water Source >1,0	00 ft., Private >	•200 ft.				
Surface Body of W	later	<u></u>	Ranking Score	Site Data		
<200 ft		20	None	<u></u>		
200 ft - 1,000 ft.		10	None			
>1,000 ft.			0			
Total	Ranking Sco	ore:	0			
		Acceptable Sc	oil RRAL (mg/kg)			
]		Benzene	Total BTEX	TPH		
		10	50	5.000		
						



September 10, 2008

Mr. Larry Johnson Environmental Bureau Oil/Conservation Division, District 1 1625 N. French Drive Hobbs, New Mexico 88240

DENIED

RECEIVEL

0,CT 0 1 2008

IRRS () ;)

Re: Assessment and Closure Request for the Pogo Producing Company (Now OXY, USA, Inc.), E.C. Hill Federal #8 Well, Located in Unit Letter O, Section 34, Township 23 South, Range 37 East, Lea County, New Mexico.

Mr. Johnson:

Tetra Tech (Formerly Highlander Environmental Corp.) was contacted by Pogo Producing Company (now OXY) to collect confirmation samples from a release that occurred at the E.C. Hill Federal #8 Well, located in Unit Letter O, Section 34, Township 23 South, Range 37 East, Lea County, New Mexico. The site location coordinates are N 32°15'22.2" W 103°08'55". The Site is shown on Figure 1.

Background

On December 26, 2007, a 3" poly line froze and broke at the edge of the location. Approximately 7 barrels of oil was released and 2 barrels were recovered. Pogo supervised the removal of the oil saturated soil. The excavated area measured approximately 25' x 25' at a depth of approximately 3' below ground surface (bgs). The State of New Mexico C-141 (Initial) is included in Appendix D.

Groundwater and Regulatory

According to the New Mexico Office of the State Engineer iWaters database, there are wells located in 9, 16 and 32 Township 23 S, Range 37E, with reported depths to water of 100, 115 and 106' bgs, respectively. Copies of the water level data are enclosed in Appendix A.

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 mg/kg and 50 mg/kg for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the apparent regional depth to groundwater, the proposed RRAL



for TPH is 5,000 mg/kg.

Soil Assessment

On January 11, 2008, Highlander personnel inspected and assessed the spill area. Prior to sampling, Pogo supervised the removal of approximately 3' of impacted soil from the spill area. Two (2) auger holes were installed inside the excavated area to assess the spill area. Samples were collected to the top of a dense caliche layer. Soil samples collected were analyzed for evaluation by method 8015M, BTEX by method 8021B and chloride by method 300.0. The sample locations are shown on Figure 2. The sampling results are summarized in Table 1.

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Soil Sample Results

Referring to Table 1, none of the samples exceeded the RRALs for TPH or BTEX. The chloride concentrations ranged from 1270 mg/kg to 2260 mg/kg.

Based on the data, one borehole was installed in the excavation to a depth of 20' below the bottom of the excavation. The borehole location is shown on Figure 2. Chloride concentrations in the borehole were all below 1,000 mg/kg and declined with depth to less than 100 mg/kg at 13'. The borehole data is summarized in Table 1. A boring log is included in Appendix C. A sample of the stockpile showed TPH concentrations below the RRAL and chloride concentrations below 1000 mg/kg. Copies of the laboratory analyses are included in Appendix B.

Based upon the results of the sampling and depth to groundwater, QXY requests approval of <u>placement of the stockpiled material back into the excavation and closure</u> of the site. A copy of the C-141 (Final) is included in Appendix D. If you have any question of comments concerning the assessment or the closure request, please call me at (432) 682-4559.



Respectfully submitted,

Tetra Tech VM.

Tim Reed, P.G. Sr. Project Manager

cc:

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Table 1 OXY, USA, Inc. E.C. Hill Fed. #8 Flowline Lea County, NM

Sample	Date	Sample		TPH (mg/kg)	Benzene	Toluene	Ethlybenzene	Xylene	Chloride
ID	Sampled	Depth (ft)	C6-C12	C12-C35	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
AH-1	1/11/2008	0-1'	<50.0	1.23	1.23	< 0.0100	<0.0100	< 0.0100	<0.0100	1820
	1/11/2008	1'-1.5'	<50.0	<1.00	<1.00	-	-	_	-	2060
	1/11/2008	2'-2.5'	-	-	-	-	_	-	-	2260
AH-2	1/11/2008	0-1'	<50.0	2.85	2.85	< 0.0100	< 0.0100	<0.0100	< 0.0100	1610
	1/11/2008	1'-1.5'	<50.0	<1.00	<1.00	-	-	_	-	1270
	1/11/2008	2'-2.5'	•	-	-	-	-	_	-	2110
SB-1	8/26/2008	3-5	-	-	-	-	-	_	_	639
	8/26/2008	8-10	-	_	-	-	-	_	_	880
	8/26/2008	13-15	-	-	-	-	-	_	-	<100
	8/26/2008	18-20	-	-	_	-	-	-	_	220
Stockpile	1/11/2008	composite	2,310	743	3,053	-	-	-	_	922

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(-) Not Analyzed

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POD Reports and Downloads						
Township: 23S	Range: 37E Sections:					
NAD27 X:	Y: Zone:	Search Radius:				
County:	Basin:	Number: Suffix:				
Owner Name: (First)	(Last) (All	ONon-Domestic ODomestic				
POD / S	Surface Data Report A	vg Depth to Water Report				
	Clear Form WATERS N	/lenu Help				

AVERAGE DEPTH OF WATER REPORT 08/29/2008

							(Depth	Water in	Feet)
Bsn	Tws	Rng Sec	Zone	х	Y	Wells	Min	Max	Avg
CP	23S	37E 09				1	100	100	100
CP	23S	37E 16				1	115	115	115
CP	23S	37E 32				1	106	106	106

Record Count: 3

q

Report Date: January 17, 2008 3347

Summary Report

Ike Tavarez Highlander Environmental Services 1910 N. Big Spring Street Midland, TX, 79705

Report Date: January 17, 2008

Work Ore	der:	8011433

Project Location:	Lea County, NM
Project Name:	PxP/E.C. Hill B Fed. #8 Flowline
Project Number:	3347

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
147898	AH-1 (0-1')	soil	2008-01-11	00:00	2008-01-14
147899	AH-1 (1-1.5')	soil	2008-01-11	00:00	2008-01-14
147900	AH-1 (2-2.5')	soil	2008-01-11	00:00	2008-01-14
147901	AH-2 (0-1')	soil	2008-01-11	00:00	2008-01-14
147902	AH-2 (1-1.5')	soil	2008-01-11	00:00	2008-01-14
147903	AH-2 (2-2.5')	soil	2008-01-11	00:00	2008-01-14
147904	Stockpile	soil	2008-01-11	00:00	2008-01-14

		[TPH DRO	TPH GRO		
	Benzene	Toluene	Ethylbenzene	Xylene	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
147898 - AH-1 (0-1')	< 0.0100	<0.0100	< 0.0100	< 0.0100	<50.0	1.23
147899 - AH-1 (1-1.5')					<50.0	<1.00
147901 - AH-2 (0-1')	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 50.0	2.85
147902 - AH-2 (1-1.5')					<50.0	<1.00
147904 - Stockpile					2310	743

Sample: 147898 - AH-1 (0-1')

Param	Flag	Result	\mathbf{Units}	\mathbf{RL}
Chloride		1820	mg/Kg	2.00

Sample: 147899 - AH-1 (1-1.5')

Param	Flag	\mathbf{Result}	\mathbf{Units}	RL
Chloride		2060	mg/Kg	2.00

Sample: 147900 - AH-1 (2-2.5')

Param	Flag	Result	Units	RL
Chloride		2260	mg/Kg	2.00

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: Janua 3347	ary 17, 2008	Work Order: 8011433 PxP/E.C. Hill B Fed. #8 Flowline		Page Number: 2 of 2 Lea County, NM	
Sample: 147901 -	- AH-2 (0-1')				
Param	Flag	Result	Units	RL	
Chloride		1610	mg/Kg	2.00	
Sample: 147902 -	· AH-2 (1-1.5')				
Param	Flag	Result	Units	\mathbf{RL}	
Chloride	·····	1270	mg/Kg	2.00	
Sample: 147903 -	- AH-2 (2-2.5')				
Param	Flag	\mathbf{Result}	Units	RL	
Chloride		2110	m mg/Kg	2.00	
Sample: 147904 -	- Stockpile				
Param	Flag	Result	Units	\mathbf{RL}	
Chloride		922	mg/Kg	2.00	

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6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1 . 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132

Lubbock, Texas 79424 El Paso, Texas 79922 Midland, Texas 79703 E-Mail: lab@traceanalysis.com

800 • 378 • 1296 806 • 794 • 1296 888 • 588 • 3443 915•585•3443 432•689•6301 817 • 201 • 5260

FAX 806 • 794 • 1298 FAX 915+585+4944 FAX 432 • 689 • 6313

Analytical and Quality Control Report

Ike Tavarez **Highlander Environmental Services** 1910 N. Big Spring Street Midland, TX, 79705

Lea County, NM Project Location: PxP/E.C. Hill B Fed. #8 Flowline **Project Name: Project Number:** 3347

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

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
147898	AH-1 (0-1')	soil	2008-01-11	00:00	2008-01-14
147899	AH-1 (1-1.5')	soil	2008-01-11	00:00	2008-01-14
147900	AH-1 (2-2.5')	soil	2008-01-11	00:00	2008-01-14
147901	AH-2 (0-1')	soil	2008-01-11	00:00	2008-01-14
147902	AH-2 (1-1.5')	soil	2008-01-11	00:00	2008-01-14
147903	AH-2 (2-2.5')	soil	2008-01-11	00:00	2008-01-14
147904	Stockpile	soil	2008-01-11	00:00	2008-01-14

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Report Date: January 22, 2008

Work Order: 8011433

Sample: 147898 - AH-1 (0-1')

Analytical Report

Analysis:	BTEX		Analytical Me	ethod: S	5 8021B		Prep Me	thod:	S 5035
QC Batch:	44741		Date Analyze	d: 2	2008-01-15		Analyzeo	l By:	DC
Prep Batch:	38509		Sample Prepa	ration: 2	2007-01-15		Prepared	l By:	DC
			DI						
Denometer	F	log	RL Pocult		Unita	1	Dilution		BI
Parameter	F	lag			mg/Kg		1		0.0100
Toluono					mg/Kg		1		0.0100
Fthulbongong					mg/Kg		1		0.0100
Xylono	5				mg/Kg		1		0.0100
Aylene			(0.0100				<u> </u>		0.0100
						Spike	Percent	Re	ecovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	I	imits
Trifluorotolu	ene (TFT)	· · · · · · · · · · · · · · · · · · ·	1.02	mg/Kg	1	1.00	102	7() - 130
4-Bromofluor	obenzene (4-BFE	3)	0.996	mg/Kg	1	1.00	100	70) - 130
Sample: 14	7898 - AH-1 (0	-1')							
Analysis:	Chloride (Titrat	tion)	Analyti	cal Metho	d: SM 4500-	CI B	Prep M	Aethod:	N/A
QC Batch:	44722	,	Date A	nalyzed:	2008-01-1	5	Analyz	ed By:	AR
Prep Batch:	38510		Sample	Preparati	on:		Prepar	ed By:	AR
_									
			RL						
Parameter	Fla	g	Result		Units		Dilution		RL
Chloride			1820		mg/Kg		50		2.00
Sample: 14 Analysis:	7898 - AH-1 (0 TPH DRO	-1')	Analytical	Method:	Mod. 8015B		Prep M	Aethod:	N/A
QC Batch:	44685		Date Analy	zed:	2008-01-15		Analyz	ed By:	LD
Prep Batch:	38481		Sample Pre	paration:	2008-01-15		Prepar	ed By:	LD
*			•	•			1	2	
			\mathbf{RL}						
Parameter	Fla	g	Result		Units		Dilution		RL
DRO			<50.0		mg/Kg		1		50.0
					Sn	ike	Percent	Rec	overv
Surrogate	Flag	Result	Units	Dilut	tion Am	ount	Recovery	Li	mits
n-Triacontan	e	119	mg/Kg	1	10	00	119	39.1	- 137.7

Sample: 147898 - AH-1 (0-1')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	44734	Date Analyzed:	2008-01-15	Analyzed By:	DC
Prep Batch:	38509	Sample Preparation:	2007-01-15	Prepared By:	DC

Parameter Flag		RL Result		Units	D	ilution	RL
GRO B		1.23		mg/Kg		1	1.00
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	\mathbf{Amount}	Recovery	Limits
Trifluorotoluene (TFT)		0.945	mg/Kg	1	1.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)		0.963	mg/Kg	1	1.00	96	70 - 130

Sample: 147899 - AH-1 (1-1.5')

Analysis: QC Batch:	Chloride (Titration) 44722	Analytical Method Date Analyzed:	d: SM 4500-Cl B 2008-01-15	Prep Method: Analyzed By:	N/A AR
Prep Batch:	38510	Sample Preparation	Dn:	Prepared By:	АК
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
Chloride		2060	mg/Kg	50	2.00

Sample: 147899 - AH-1 (1-1.5')

Analysis:	TPH DRO		Analytical M	lethod: M	lod. 8015B	Prep	Method: N	/A
QC Batch:	44685		Date Analyz	ed: 20	08-01-15	Anal	yzed By: LI	D
Prep Batch:	38481		Sample Prep	aration: 20	008-01-15	Prep	ared By: LI	2
			\mathbf{RL}					
Parameter	Fla	g S	\mathbf{Result}		Units	Dilution	I	\mathbf{RL}
DRO			<50.0		mg/Kg	1	50	0.0
					Spike	Percent	Recover	у
Surrogate	Flag	Result	\mathbf{Units}	Dilution	Amount	Recovery	Limits	
n-Triacontan	e	118	mg/Kg	1	100	118	39.1 - 137	7.7

Sample: 147899 - AH-1 (1-1.5')

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	od: S 5035
QC Batch:	44734		Date Anal	yzed:	2008-01-15		Analyzed I	By: DC
Prep Batch:	38509		Sample Pr	eparation:	2007-01-15		Prepared E	By: DC
			\mathbf{RL}					
Parameter	Flag		Result		Units	D	ilution	\mathbf{RL}
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.943	mg/Kg	1	1.00	94	70 - 130
4-Bromofluor	obenzene (4-BFB)		0.954	mg/Kg	1	1.00	95	70 - 130

Sample: 147900 - AH-1 (2-2.5')

Analysis: QC Batch: Prep Batch:	Chloride (Titration) 44746 38528	Analytical Method: Date Analyzed: Sample Preparation:	SM 4500-Cl B 2008-01-16 2008-01-16	Prep Method: Analyzed By: Prepared By:	N/A AR AR
		RL			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
Chloride		2260	mg/Kg	50	2.00

Sample: 147901 - AH-2 (0-1')

Analysis: QC Batch:	BTEX 44741		Analytical M Date Analyz	lethod: ed:	S 8021B 2008-01-15		Prep Meth Analyzed I	od: S 5035 By: DC
Prep Batch:	38509		Sample Prep	baration:	2007-01-15		Prepared 1	sy: DC
			\mathbf{RL}					
Parameter	Flag		Result		Units	Di	lution	\mathbf{RL}
Benzene			< 0.0100	1	mg/Kg		1	0.0100
Toluene			< 0.0100	l	mg/Kg		1	0.0100
Ethylbenzene	1		< 0.0100	I	mg/Kg		1	0.0100
Xylene			< 0.0100		, mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		1.01	mg/Kg	; 1	1.00	101	70 - 130
4-Bromofluor	obenzene (4-BFB)		0.991	mg/Kg	; 1	1.00	99	70 - 130

Sample: 147901 - AH-2 (0-1')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	44746	Date Analyzed:	2008-01-16	Analyzed By:	\mathbf{AR}
Prep Batch:	38528	Sample Preparation:	2008-01-16	Prepared By:	AR
		RL			
Parameter	\mathbf{Flag}	Result	Units	Dilution	\mathbf{RL}
Chloride		1610	mg/Kg	50	2.00

Sample: 147901 - AH-2 (0-1')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	44685	Date Analyzed:	2008-01-15	Analyzed By:	LD
Prep Batch:	38481	Sample Preparation:	2008-01-15	Prepared By:	LD
		RL			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
DRO		<50.0	mg/Kg	1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	\mathbf{Amount}	Recovery	Limits
n-Triacontane	1	141	mg/Kg	1	100	141	39.1 - 137.7

Sample: 147901 - AH-2 (0-1')

Analysis: QC Batch: Prep Batch:	TPH GRO 44734 38509		Analytical Date Anal Sample Pr	Method: yzed: eparation:	S 8015B 2008-01-15 2007-01-15		Prep Metho Analyzed By Prepared By	d: S 5035 y: DC 7: DC
			\mathbf{RL}					
Parameter	\mathbf{Flag}		Result		Units		Dilution	\mathbf{RL}
GRO	В		2.85		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.943	mg/Kg	1	1.00	94	70 - 130
4-Bromofluor	obenzene (4-BFB)		0.960	mg/Kg	1	1.00	96	70 - 130
Sample: 14	7902 - AH-2 (1-1.5')							
Analysis:	Chloride (Titration)		Analyt	ical Method	l: SM 4500-0	Cl B	Prep Meth	nod: N/A
QC Batch:	44746		Date A	nalyzed:	2008-01-1	6	Analyzed	By: AR
Prep Batch:	38528		Sample	e Preparatio	on: 2008-01-10	5	Prepared	By: AR
			RL					
Parameter	Flag		Result		Units		Dilution	\mathbf{RL}
Chloride			1270		mg/Kg		50	2.00

Sample: 147902 - AH-2 (1-1.5')

Analysis: QC Batch: Prep Batch:	TPH DRO 44685 38481		Analytical M Date Analyz Sample Prep	Iethod:Iied:2paration:2	Mod. 8015B 2008-01-15 2008-01-15	Prep Anal Prep	Method: N/A yzed By: LD ared By: LD
			\mathbf{RL}				
Parameter	Fl	ag	Result		Units	Dilution	\mathbf{RL}
DRO			<50.0		mg/Kg	1	50.0
Surrogate	Flag	Result	Units	Dilutio	Spike n Amount	Percent Recovery	Recovery Limits
n-Triacontane	9	115	mg/Kg	1	100	115	39.1 - 137.7

mg/Kg

Sample: 147902 - AH-2 (1-1.5')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	44734	Date Analyzed:	2008-01-15	Analyzed By:	DC
Prep Batch:	38509	Sample Preparation:	2007-01-15	Prepared By:	DC

¹High surrogate recovery due to peak interference.

		\mathbf{RL}					
Parameter F	lag	Result		Units	D	ilution	\mathbf{RL}
GRO		<1.00		mg/Kg		1	1.00
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.940	mg/Kg	1	1.00	94	70 - 130
4-Bromofluorobenzene (4-B)	FB)	0.950	mg/Kg	1	1.00	95	70 - 130

Sample: 147903 - AH-2 (2-2.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QU Datch:	44740	Date Analyzed:	2008-01-10	Analyzed by:	An
Prep Batch:	38528	Sample Preparation:	2008-01-16	Prepared By:	AR
		RL			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
Chloride		2110	mg/Kg	50	2.00

Sample: 147904 - Stockpile

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	44746	Date Analyzed:	2008-01-16	Analyzed By:	AR
Prep Batch:	38528	Sample Preparation:	2008-01-16	Prepared By:	AR
		RL			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
Chloride		922	mg/Kg	50	2.00

Sample: 147904 - Stockpile

Analysis: OC Batch:	TPH DRO 44718		Analytical M	Method: M	lod. 8015B	Prep	Method: N/A	r
Prep Batch:	38481		Sample Pre	paration: 2	008-01-15	Ргер	ared By: LD	
			\mathbf{RL}					
Parameter]	Flag	Result		Units	Dilution	\mathbf{RL}	
DRO			2310		mg/Kg	10	50.0)
					Spike	Percent	Recovery	
Surrogate	Flag	Result	\mathbf{Units}	Dilutior	n Amount	Recovery	Limits	
n-Triacontane	2	372	mg/Kg	10	100	372	39.1 - 137.7	7

Sample: 147904 - Stockpile

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	44734	Date Analyzed:	2008-01-15	Analyzed By:	DC
Prep Batch:	38509	Sample Preparation:	2007-01-15	Prepared By:	DC

²High surrogate recovery due to peak interference.

Report Date: January 22, 2008 3347

Descentor	Flor		RL Bosult		Unita		Dilution	DI
GRO	r lag_		743		mg/Kg		20	1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolue	ene (TFT)	0	19.0	mg/Kg	20	20.0	95	70 - 130
4-Bromofluor	obenzene (4-BFB)	3	27.2	mg/Kg	20	20.0	136	70 - 130
Method Bla	ank (1) QC Ba	atch: 44685						
QC Batch: Prep Batch:	44685 38481		Date Analy QC Prepara	zed: 2008- ation: 2008-	-01-15 -01-15		Analy Prepa	vzed By: LD ared By: LD
Paramoter		Flag		MDL Besult		Uni	ts	BL
DRO		riag		<14.6		mg/	Kg	50
	<u></u> ,,,,,,,,,,,,					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	A	mount	Recovery	Limits
n-Triacontane	9	133	mg/Kg	1		100	133	33.3 - 157.4
Method Bla QC Batch: Prep Batch:	ank (1) QC Ba 44718 38481	atch: 44718	Date Analy QC Prepara	zed: 2008- ation: 2008-	01-15 01-15	2	Analy Prepa	vzed By: LD ured By: LD
				MDL				
Parameter		Flag		Result	·	Uni	ts	RL
DRO				18.6		mg/	Kg	50
Surrogate	Flag	Result	Units	Dilution	A	Spike mount	Percent Recovery	Recovery Limits
n-Triacontane	e	95.1	mg/Kg	1		100	95	33.3 - 157.4
Method Bla QC Batch: Prep Batch:	unk (1) QC Ba 44722 38510	.tch: 44722	Date Analy QC Prepara	zed: 2008- ation: 2008-	01-15 01-15		Analy Prepa	zed By: AR red By: AR
Paramoter		Flag		MDL Besult		II:	te	DI
Chloride	·······	1.105		<0.500		011	ι.5 Κρ	<u></u>
							**0	<u> </u>

...

³High surrogate recovery due to peak interference.

Method Blank (1)	QC Batch: 44734						
QC Batch: 44734 Prep Batch: 38509		Date Analyz OC Prepara	ed: 200)8-01-15)8-01-15		Analyze Prenare	ed By: DC
riep Daten. 50505		QU I Tepara	. 200	0-01-10		Перан	u by. DC
			MDL				
Parameter	Flag		Result		Units		RL
GRO			0.634		mg/K	5	1
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.972	mg/Kg	1	1.00	97	70 - 130
4-Bromofluorobenzene (4	-BFB)	0.965	mg/Kg	1	1.00	96	70 - 130
Method Blank (1)	QC Batch: 44741						
QC Batch: 44741		Date Analyz	ed: 200	8-01-15		Analyze	d By: DC
Prep Batch: 38509		QC Preparation: 2008-01-15			Prepared By:		
-						-	
Parameter	Flog		MDI	- 	Unit	'n	DT
	r lag			<u></u>	mg/K	5 	
Toluene				n	mg/K	-5 a	0.01
Ethylbenzene			< 0.00400	0	mg/K	e la	0.01
Xylene			<0.0140	Ď	mg/K	e de la composición de la comp	0.01
				·····	C-:1-	Densont	
Surrogate	Flag	Result	Units	Dilution	Spike	Percent Recovery	Limits
Trifluorotoluene (TFT)	1 108	1.01	mg/Kg	1	1.00	101	70 - 130
4-Bromofluorobenzene (4	-BFB)	0.981	mg/Kg	1	1.00	98	70 - 130
Method Blank (1)	QC Batch: 44746						
QC Batch: 44746		Date Analyz	ed: 200	8-01-16		Analyze	d By: AR
Prep Batch: 38528		QC Prepara	tion: 200	8-01-16		Prepare	d By: AR
			MDL				
			Popult		Units		BL
Parameter	Flag		nesuu		·		

QC Batch:	44685	Dat	e Analyzed:		Analyzed By: I			
Prep Batch:	38481	\mathbf{QC}	Preparation:	2008-0)1-15	Prepa	ared By: LD	
		LCS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO		238	mg/Kg	1	250	<14.6	95	48.1 - 140.9

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

Report Date: Januar 3347	ate: January 22, 2008 Work Order: 8011433 Page Number: 9 of 1 PxP/E.C. Hill B Fed. #8 Flowline Lea County, NM								9 of 15 ntv. NM	
			/ -							
		LCSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	\mathbf{Limit}	RPD	Limit
DRO		248	mg/Kg	1	250	<14.6	99	48.1 - 140.9	4	20
Percent recovery is ba	used on the sp	pike result.	RPD is l	oased on	the spike	and spike d	uplicate	result.		
	LCS	LCSD				Spike	LCS	LCSD]	Rec.
Surrogate	Result	Result	Ur Ur	nits	Dil.	Amount	Rec.	Rec.	I	imit
n-Triacontane	92.9	79.8	mg	/Kg	1	100	93	80	42.1	- 138.9
Laboratory Contro	l Spike (LC	S-1)								
OC Batch: 44718			Date Ar	alvzed·	2008-01	-15		Ana	lyzed By	r∙ LD
Prep Batch: 38481			QC Pre	paration:	2008-01	-15		Pre	pared By	r: LD
-								·		
		\mathbf{LC}	S			Spike	Matr	ix	I	Rec.
Param		Resu	ılt (Jnits	Dil.	Amount	Resu	lt Rec.	L	imit
DRO		259) m	g/Kg	1	250	<14.	6 104	48.1	- 140.9
Percent recovery is ba	used on the sp	oike result.	RPD is b	based on	the spike	and spike d	uplicate	result.		
		LCSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO		285	mg/Kg	1	250	<14.6	114	48.1 - 140.9	10	20
Percent recovery is ba	used on the sp	oike result.	RPD is b	based on	the spike	and spike d	uplicate	result.		
	LCS	LCSD				Snike	LCS	LCSD	1	Rec
Surrogate	Result	Result	Ur	nits	Dil.	Amount	Rec.	Rec.	L	imit
n-Triacontane	99.0	106	mg	/Kg	1	100	99	106	42.1	- 138.9
				,						
Laboratory Contro	l Spike (LC	S-1)								
QC Batch: 44722			Date An	alyzed:	2008-01-	-15		Ana	lvzed By	: AR
Prep Batch: 38510			QC Prep	paration:	2008-01-	-15		Pre	pared By	: AR
								_	-	
		LC	S			Spike	Ma	atrix		Rec.
Param		Res	ult	Units	Dil.	Amount	Re	esult Re	ec.	Limit
Chloride		92	.9 ı	ng/Kg	1	100	<(0.500 9	38	35 - 115
Percent recovery is ba	used on the sp	oike result.	RPD is t	oased on	the spike :	and spike d	uplicate	result.		
		LCSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride		93.9	mg/Kg	1	100	< 0.500	94	85 - 115	1	20
Percent recovery is ba	sed on the sp	oike result.	RPD is b	oased on	the spike a	and spike d	uplicate	result.		
Laboratory Contro	l Spike (LC	S-1)								
QC Batch: 44734			Date An	alvzed:	2008-01-	-15		Ana	lvzed Bu	DC
Prep Batch: 38509			QC Pren	paration:	2008-01-	-15		Prei	bared By	: DC
								-1	J	-

	LC	S			Sp	ike	Ma	atrix			Rec.
Param	Rest	ılt	Units	Dil.	Am	ount	Re	sult	Re	ec.	Limit
GRO	8.2	8	mg/Kg	1	10	0.0	<0.	0118	8	3	70 - 130
Percent recovery is based on the s	pike result.	RPD is	based o	n the spike :	and spi	ike dup	licate i	result.			
	LCSD			Spike	Ma	atrix		Re	с.		RPD
Param	Result	Units	Dil.	Amount	Re	esult	Rec.	Lim	it	RPD	Limit
GRO	8.77	mg/Kg	<u>ç 1</u>	10.0	<0.	.0118	88	70 - 1	130	6	
Percent recovery is based on the s	pike result.	RPD is	based of	n the spike :	and spi	ike dup	olicate i	result.			
Percent recovery is based on the s	pike result. LCS	RPD is 5 L	based of CSD	n the spike :	and spi	ike dup Spi	olicate ı ike	result. LCS	LC	SD	Rec.
Percent recovery is based on the s Surrogate	pike result. LC Resu	RPD is 5 L ⁽ llt R	based o CSD esult	n the spike : Units	and spi Dil.	ike dup Spi Amo	olicate i ike ount	result. LCS Rec.	LC R	SD ec.	Rec. Limit
Percent recovery is based on the s Surrogate Trifluorotoluene (TFT)	pike result. LC: <u>Resu</u> 0.98	$\begin{array}{c} \text{RPD is} \\ 5 \\ \text{lt} \\ \frac{1}{2} \\ 0 \end{array}$	based o CSD esult .987	n the spike a Units mg/Kg	and spi Dil.	ike dup Spi <u>Amo</u> 1.(olicate i ike ount 00	result. LCS Rec. 98	LC Re	SD ec. 9	Rec. Limit 70 - 130

Laboratory Control Spike (LCS-1)

QC Batch:	44741	Date Analyzed:	2008-01-15	Analyzed By:	DC
Prep Batch:	38509	QC Preparation:	2008-01-15	Prepared By:	DC

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	0.936	mg/Kg	1	1.00	< 0.00300	94	70 - 130
Toluene	0.927	mg/Kg	1	1.00	< 0.00300	93	70 - 130
Ethylbenzene	0.919	mg/Kg	1	1.00	< 0.00400	92	70 - 130
Xylene	2.77	mg/Kg	1	3.00	< 0.0140	92	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	0.967	mg/Kg	1	1.00	< 0.00300	97	70 - 130	3	
Toluene	0.962	mg/Kg	1	1.00	< 0.00300	96	70 - 130	4	
Ethylbenzene	0.952	mg/Kg	1	1.00	< 0.00400	95	70 - 130	4	
Xylene	2.87	mg/Kg	1	3.00	< 0.0140	96	70 - 130	4	

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	\mathbf{Limit}
Trifluorotoluene (TFT)	1.00	1.01	mg/Kg	1	1.00	100	101	70 - 130
4-Bromofluorobenzene (4-BFB)	0.988	0.984	mg/Kg	1	1.00	99	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch:	44746	Date Analyzed:	2008-01-16	Analyzed By:	AR
Prep Batch:	38528	QC Preparation:	2008-01-16	Prepared By:	AR

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	94.4	mg/Kg	1	100	< 0.500	94	85 - 115

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

Param		LCSD Bosult	Unite	Dil	Spike	Matrix Bosult	Roc	Rec.	RDD	RPD Limit
Chloride		<u>95.4</u>	mg/Kg	<u></u>	100	<0.500	95	85 - 115	1	20
Percent recovery is based	on the spik	e result.	RPD is l	based on	the spike	and spike d	uplicate r	esult.		
Matrix Spike (MS-1)	Spiked Sa	ample: 14	7844							
QC Batch: 44685 Prep Batch: 38481			Date Ar	alyzed:	2008-01	-15 -15		Ana Pres	lyzed By vared By	7: LD
1 rep Daten. 30401				paration.	2000-01	-10		110	area Dy	. 110
		MS				Spike	Matri	x	J	Rec.
Param		Resul	t (Jnits	Dil.	Amount	Resul	t Rec.	I	imit
DRO		245	m	g/Kg	1	250	<14.	6 98	35.6	- 173.6
Percent recovery is based	on the spik	e result.	RPD is l	based on	the spike	and spike d	uplicate r	esult.		
		MSD			Spike	Matrix		Bec		RPD
Param	I	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO		240	mg/Kg	1	250	<14.6	96 3	35.6 - 173.6	2	20
Percent recovery is based	on the spik	e result.	RPD is l	based on	the spike	and spike d	uplicate r	esult.		
·	MC	MCD			-	C	-			D
Surrogato	Rosult	Result	т	Inite	Dil	Amount	MS Roc	B MSD		Rec. Limit
n-Triacontane	111	<u>97.8</u>	m	σ/Κσ	<u></u>	100	111	98	33	- 156 2
		-		<u>o, o</u>						
Matrix Spike (MS-1)	Spiked Sa	mple: 14	7920							
QC Batch: 44718			Date Ar	alvzed:	2008-01	-15		Ana	lvzed By	: LD
Prep Batch: 38481			QC Pre	paration:	2008-01	-15		Prep	pared By	r: LD
								-		
		MS				Spike	Matri	v	1	Rec
Param		Resul	t (Jnits	Dil.	Amount	Resul	t Rec.	I	imit
DRO		102	m	g/Kg	1	250	<14.	6 41	35.6	- 173.6
Percent recovery is based	on the spik	e result. 1	RPD is I	based on	the spike	and spike d	uplicate r	esult.		
U U	•	MOD					•	P		000
Porom	1	MSD Posult	Unite	D:I	Spike	Matrix Recult	Dee	Kec.	חממ	RPD
DRO	4	133	mg/Kg	1	250	<14.6	53 f	$\frac{11111}{35.6 - 173.6}$	$\frac{117}{26}$	20
Percent recovery is based	on the spik	e result	RPD is 1	-	the spike	and spike d	unlicato r	osult		
I ercent recovery is based	on the spik	e result. 1		Jaseu Oli	the spike	and spike u	uplicate i	esuit.		
·	MS	MSD				Spike	MS	MSD		Rec.
Surrogate	Result	Result	(Jnits	Dil.	Amount	Rec	. Rec.		Limit
n-iriacontane	199	100	m	g/Kg	1	100	155) 160	33	- 156.2
Matrix Spike (MS-1)	Spiked Sa	mple: 14	7899							
- · · ·	-	-			0000.07	15				15
QU Batch: 44/22 Pren Batch: 38510			Date An OC Pror	alyzed:	2008-01-	·10 -15		Anal	yzed By	": АК . лд
* 10P Daton. 00010			~~~ rich	arauton.	2000-01-	10		reb	area Dy	. лп

⁴MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control. ⁵High surrogate recovery due to peak interference.

	М	S			Spike	Ma	atrix	•	Rec.
Param	Res	ult	Units	Dil.	Amount	: Re	sult	Rec.	Limit
Chloride	649	90	mg/Kg	50	. 5000	206	54.26	88	85 - 115
Percent recovery is based on the s	spike result.	RPD is	based on	the spike a	and spike o	luplicate i	result.		
	MSD			Spike	Matrix		Rec	-	RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limi	it RPD	Limit
Chloride	6540	mg/Kg	ş 50	5000	2064.20	<u> </u>	85 - 1	15 1	20
Percent recovery is based on the s	spike result.	RPD is	based on	the spike a	und spike o	luplicate i	result.	<u></u>	
Matrix Spike (MS-1) Spike	d Sample: 1	47936							
QC Batch: 44734		Date A	nalyzed:	2008-01-	15			Analyzed E	By: DC
Prep Batch: 38509		QC Pre	paration:	2008-01-	15			Prepared E	By: DC
-								-	
	М	S			Spike	Ma	atrix		Rec.
Param	Res	ult	Units	Dil.	Amoun	t Re	sult	Rec.	Limit
GRO	11	.6	mg/Kg	1	10.0	1.7	7047	99	70 - 130
Percent recovery is based on the s	spike result.	RPD is	based on	the spike a	and spike o	uplicate i	result.		
	MCD			C. 1	Math		D		מחת
Demonst	MSD	Unite	D:1	5ріке Аталит	Matrix	Dee	Kec	4 DDD	RPD Limit
	10.8	mg/Ke	$\frac{D_{\text{II.}}}{r}$	10.0	1 7047		70 1	$\frac{1}{30}$ 7	
	10.0		<u>5 1</u>	10.0	1.1041		10-1	<u> </u>	
Percent recovery is based on the s	spike result.	RPD is	based on	the spike a	and spike o	iuplicate i	result.		
	M	S N	ASD			Spike	MS	MSD	Rec.
Surrogate	Res	ult R	esult	Units	Dil. A	mount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.9	23 0	.916	mg/Kg	1	1	92	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.9	94 1	1.03	mg/Kg	1	1	99	103	70 - 130
Matrix Spike (MS-1) Spike	d Sample: 1	47898							
QC Batch: 44741		Date A	nalyzed:	2008-01-1	15			Analyzed H	By: DC
Prep Batch: 38509		QC Pre	paration:	2008-01-	15			Prepared E	By: DC
	M	5			Spike	Ма	trix		Rec.
Param	Res	ılt	Units	Dil.	Amount	Re	sult	Rec.	Limit
Benzene	⁶ 1.5	1 n	ng/Kg	1	1.00	<0.0	0300	151	70 - 130
Toluene	7 1.5	3 п	ng/Kg	1	1.00	<0.0	0300	153	70 - 130
Ethylbenzene	⁸ 1.5	6 n	ng/Kg	1	1.00	<0.0	0400	156	70 - 130
Xylene	⁹ 4.6	7 n	ng/Kg	1	3.00	<0.	0140	156	70 - 130

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

⁶Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

⁷Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control. ⁹Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: January 22, 2008 3347

matrix spikes continued

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	$Limit_{-}$
		MSD			Spike	Matrix		Rec.		RPD
Param		\mathbf{Result}	Units	Dil.	Amount	\mathbf{Result}	Rec.	Limit	RPD	Limit
Benzene	10	1.34	mg/Kg	1	1.00	< 0.00300	134	70 - 130	12	
Toluene	11	1.35	mg/Kg	1	1.00	< 0.00300	135	70 - 130	12	
Ethylbenzene	12	1.38	mg/Kg	1	1.00	< 0.00400	138	70 - 130	12	
Xylene	13	4.15	mg/Kg	1	3.00	< 0.0140	138	70 - 130	12	

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

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.02	1.02	mg/Kg	1	1	102	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.999	0.994	mg/Kg	1	1	100	99	70 - 130

Matrix Spike (MS-1) Spiked Sample: 147909

QC Batch:	44746	Date Analyzed:	2008-01-16	Analyzed By:	\mathbf{AR}
Prep Batch:	38528	QC Preparation:	2008-01-16	Prepared By:	\mathbf{AR}

	MS			Spike	Matrix		Rec.
Param	\mathbf{Result}	\mathbf{Units}	Dil.	Amount	Result	Rec.	\mathbf{Limit}
Chloride	5150	mg/Kg	50	5000	222.117	98	85 - 115

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

	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	5190	mg/Kg	50	5000	222.117	99	85 - 115	1	20

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

Standard (CCV-2)

QC Batch:	44685		Date Ana	alyzed: 2008-0	1-15	Ana	lyzed By: LD
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	233	93	85 - 115	2008-01-15

Standard (CCV-3)

QC Batch: 44685

Date Analyzed: 2008-01-15

Analyzed By: LD

 12 Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control. 13 Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

¹⁰Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery out of control limits due to extraction process. Use LCS/LCSD to demonstrate analysis is under control.

Work Order: 8011433 PxP/E.C. Hill B Fed. #8 Flowline Page Number: 14 of 15 Lea County, NM

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	286	114	85 - 115	2008-01-15
o							
Standard	(ICV-I)						
QC Batch:	44718		Date Ana	alyzed: 2008-0	1-15	Anal	lyzed By: LD
			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	247	99	85 - 115	2008-01-15
Standard	(CCV-1)						
5 tundui ~	(0011)						
QC Batch:	44718		Date Ana	alyzed: 2008-0	1-15	Ana	iyzed By: LD
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recoverv	Limits	Analyzed
DRO	8	mg/Kg	250	247	99	85 - 115	2008-01-15
Standard	(ICV-1)						
QC Batch:	44722		Date Ana	alyzed: 2008-0	1-15	Anal	lyzed By: AR
			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	105	105	85 - 115	2008-01-15
Standard	(CCV-1)						
QC Batch:	44722		Date Ana	alyzed: 2008-0	1-15	Anal	yzed By: AR
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	94.8	95	85 - 115	2008-01-15
Standard	(ICV-1)						
OC Pataly	44794		Doto Ana	Jugada - 9009-01	1 12	A	
QU Batch:	44794		Date Ana	uyzea: 2008-0.	1-19	Anal	yzed By: DC
			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GBO		mg/Kg	1.00	1.08	108	85 - 115	2008-01-15

Report Date: January 22, 2008 3347

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Standard (CCV-1)

QC Batch: 44	44734		Date Ana	alyzed: 2008-0	1-15	Anal	yzed By: DC
QC Batch: 44734 Param Flag GRO			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2008-01-15

Standard (ICV-1)

QC Batch: 44741			Date Analyz	ed: 2008-01-1	Analyzed By: DC						
			ICVs	ICVs	ICVs	Percent					
			True	Found	Percent	Recovery	Date				
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed				
Benzene		mg/Kg	0.100	0.0993	99	85 - 115	2008-01-15				
Toluene		mg/Kg	0.100	0.0988	99	85 - 115	2008-01-15				
Ethylbenzene		mg/Kg	0.100	0.0983	98	85 - 115	2008-01-15				
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2008-01-15				

Standard (CCV-1)

QC Batch: 44741		Date Analyz	ed: 2008-01-1	Analyzed By: DC					
			\mathbf{CCVs}	CCVs	CCVs	Percent			
			True	Found	Percent	Recovery	Date		
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed		
Benzene		mg/Kg	0.100	0.0955	96	85 - 115	2008-01-15		
Toluene		mg/Kg	0.100	0.0944	94	85 - 115	2008-01-15		
Ethylbenzene		mg/Kg	0.100	0.0927	93	85 - 115	2008-01-15		
Xylene		mg/Kg	0.300	0.279	93	85 - 115	2008-01-15		

Standard (ICV-1)

QC Batch:	44746		Date Ana	lyzed: 2008-01	-16	Anal	yzed By: AR
QC Batch: 44 Param Chloride			ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	104	104	85 - 115	2008-01-16

Standard (CCV-1)

QC Batch:	44746		Date Anal	yzed: 2008-01	Analyzed By: AR					
D		TT 1 ,	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date			
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed			
Chloride		mg/Kg	100	96.3	96	85 - 115	2008-01-16			

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Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Managar retains pink copy - Accounting receives Gold copy.

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Summary Report

Tim Reed Tetra Tech 1910 N. Big Spring Street Midland, TX, 79705

Report Date: August 29, 2008

Work Order: 8082620

Project Name: E.C. Hill 'B' Fed. #8 Project Number: 3347

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
171853	SB-1 (3-5')	soil	2008-08-26	00:00	2008-08-26
171854	SB-1 (8-10')	soil	2008-08-26	00:00	2008-08-26
171855	SB-1 (13-15')	soil	2008-08-26	00:00	2008-08-26
171856	SB-1 (18-20')	soil	2008-08-26	00:00	2008-08-26

Sample: 171853 - SB-1 (3-5')

Param	Flag Result	Units	RL
Chloride	639	mg/Kg	2.00

Sample: 171854 - SB-1 (8-10')

Param	Flag	Result	Units	RL
Chloride		880	mg/Kg	2.00

Sample: 171855 - SB-1 (13-15')

Param	Flag	Result	Units	\mathbf{RL}
Chloride		<100	mg/Kg	2.00

Sample: 171856 - SB-1 (18-20')

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296 This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: August 29, 2008 3347		Work Order: 8082620 E.C. Hill 'B' Fed. #8		Page Number: 2 of 2	
Param	Flag	Result	Units	RL	
Chloride		220	mg/Kg	2.00	

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6701 Aberdeen Avenue; Suite 9: Lu 200 East Sunset Road; Suite E E 5002 Basin Street, Suite A1 N 6015 Harris Parkway; Suite 110 Ft.

Lubbock; Texas 79424 El Paso, Texas 79922 Midland; Texas 79922 Ft. Worth, Texas 79703 E-Mail: lab@traceanalysis.com

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NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 El Paso: T104704221-08-TX LELAP-02002 Midland: T104704392-08-TX

Analytical and Quality Control Report

Jeff Kindley Tetra Tech 1910 N. Big Spring Street Midland, TX, 79705

Report Date: September 2, 2008

Work Order: 8082620

Project Name: E.C. Hill 'B' Fed. #8 Project Number: 3347

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

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
171853	SB-1 (3-5')	soil	2008-08-26	00:00	2008-08-26
171854	SB-1 (8-10')	soil	2008-08-26	00:00	2008-08-26
171855	SB-1 (13-15')	soil	2008-08-26	00:00	2008-08-26
171856	SB-1 (18-20')	soil	2008-08-26	00:00	2008-08-26

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blain Lepturch

Dr. Blair Leftwich, Director

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Standard Flags

2 4 1 ${\bf B}$ - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project E.C. Hill 'B' Fed. #8 were received by TraceAnalysis, Inc. on 2008-08-26 and assigned to work order 8082620. Samples for work order 8082620 were received intact at a temperature of 4.0 deg. C.

Samples were analyzed for the following tests using their respective methods.

TestMethodChloride (Titration)SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8082620 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: September 2, 2008 3347

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Analytical Report

Sample: 171853 - SB-1 (3-5')

Chloride		639	mg/Kg	50	2.00
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
		\mathbf{RL}			
Prep Batch:	44518	Sample Preparation:	2008-08-28	Prepared By:	AR
QC Batch:	51912	Date Analyzed:	2008-08-29	Analyzed By:	\mathbf{AR}
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Laboratory:	Midland				

Sample: 171854 - SB-1 (8-10')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	51912	Date Analyzed:	2008-08-29	Analyzed By:	AR
Prep Batch:	44518	Sample Preparation:	2008-08-28	Prepared By:	AR
		\mathbf{RL}			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
Chloride		880	mg/Kg	50	2.00

Sample: 171855 - SB-1 (13-15')

Laboratory: Analysis: QC Batch: Prep Batch:	Midland Chloride (Titration) 51912 44518	Analytical Method: Date Analyzed: Sample Preparation:	SM 4500-Cl B 2008-08-29 2008-08-28	Prep Method: Analyzed By: Prepared By:	N/A AR AR
		\mathbf{RL}			
Parameter	\mathbf{Flag}	Result	Units	Dilution	\mathbf{RL}
Chloride		<100	mg/Kg	50	2.00

Sample: 171856 - SB-1 (18-20')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-CI B	Prep Method:	N/A
QC Batch:	51912	Date Analyzed:	2008-08-29	Analyzed By:	\mathbf{AR}
Prep Batch:	44518	Sample Preparation:	2008-08-28	Prepared By:	AR

Report Date: September 2, 2008 3347		Wo E.C	rk Order: 8082 C. Hill 'B' Fed.	k Order: 8082620 . Hill 'B' Fed. #8		Page Numb		ber: 5 of 6	
Parameter Chloride	Flag	RL Result 220	Un mg/I	its Kg]	Dilution 50		RI 2.00	
Method Blank (1)	QC Batch: 51912					•			
QC Batch: 51912		Date Analyze	d: 2008-08-2	9		Ana	alyzed B	y: AR	
Prep Batch: 44518		QC Preparati	on: 2008-08-2	8		Pre	pared B	y: AR	
			MDL						
Parameter	Flag		Result	······································	Uni	ts Ka			
			<0.500		mg/1	ng		2	
Laboratory Control	Spike (LCS-1)								
OC Batch: 51912		Date Analyze	d: 2008-08-2	9		Ana	alvzed B	v: AR	
Prep Batch: 44518		QC Preparati	on: 2008-08-2	8		Pre	pared B	y: AR	
	\mathbf{L}^{i}	CS		Spike	Ma	trix		Rec.	
Param	Re	sult Units	s Dil.	Amount	Re	sult R	ec.	Limit	
Chloride	9	9.9 mg/K	.g 1	100	<0.	.500 1	00	85 - 11	
Percent recovery is bas	sed on the spike result	. RPD is based	on the spike a	nd spike duj	olicate r	esult.			
	LCSD		Spike	Matrix		Rec.		RPE	
Param	Result	Units D	il. Amount	\mathbf{Result}	Rec.	Limit	RPD	Limi	
	102	mg/Kg '	1 100	<0 500	102	85 - 115	2	20	
Chloride	102		1 100	<0.000	104			-0	
Chloride Percent recovery is bas	sed on the spike result	. RPD is based	on the spike a	nd spike du	olicate r	esult.			
Chloride Percent recovery is bas Matrix Spike (MS-1	sed on the spike result () Spiked Sample: 1	. RPD is based	on the spike a	nd spike du	olicate r	esult.			
Chloride Percent recovery is bas Matrix Spike (MS- 1 QC Batch: 51912	sed on the spike result 1) Spiked Sample: 1	. RPD is based .71856 Date Analyze	on the spike as d: 2008-08-2	nd spike dup	olicate r	esult.	alyzed B	y: AR	
Chloride Percent recovery is bas Matrix Spike (MS-) QC Batch: 51912 Prep Batch: 44518	sed on the spike result	. RPD is based .71856 Date Analyze QC Preparati	100 on the spike and d: 2008-08-2 on: 2008-08-2	nd spike du 9 8	olicate r	esult. Ana Pre	alyzed B pared B	y: AR y: AR	
Chloride Percent recovery is bas Matrix Spike (MS- 1 QC Batch: 51912 Prep Batch: 44518	sed on the spike result 1) Spiked Sample: 1	. RPD is based .71856 Date Analyze QC Preparati	on the spike and d: 2008-08-2 on: 2008-08-2	9 Spike	Dicate r	esult. Ana Pre trix	alyzed B pared B	y: AR y: AR Rec.	
Chloride Percent recovery is bas Matrix Spike (MS-1 QC Batch: 51912 Prep Batch: 44518 Param	sed on the spike result () Spiked Sample: 1 MRea	. RPD is based .71856 Date Analyze QC Preparati IS sult Units	1 100 on the spike and 1 d: 2008-08-2 on: 2008-08-2 a Dil.	9 Spike Amount	Ma Res	esult. Ana Pre trix sult Ra	alyzed B pared B ec.	y: AR y: AR Rec. Limit	
Chloride Percent recovery is bas Matrix Spike (MS-1 QC Batch: 51912 Prep Batch: 44518 Param Chloride Percent recovery is bas	sed on the spike result 1) Spiked Sample: 1 M Res 53 sed on the spike result	Ing/Rg RPD is based 71856 Date Analyze QC Preparati IS sult Units 60 mg/K RPD is based	on the spike and d: 2008-08-2 on: 2008-08-2 s Dil. g 50 on the spike and	9 8 Spike Amount 5000 ad spike dur	Ma Res 22 Dilicate r	esult. Ana Pre trix sult Ra 20 10 esult.	alyzed B pared B ec. 03	y: AR y: AR Rec. Limit 85 - 11	
Chloride Percent recovery is bas Matrix Spike (MS-1 QC Batch: 51912 Prep Batch: 44518 Param Chloride Percent recovery is bas	sed on the spike result 1) Spiked Sample: 1 MRes 23 24 25 25 25 25 25 25 25 25 25 25	IIG/Rg RPD is based 71856 Date Analyze QC Preparati IS sult Units 60 mg/K RPD is based	on the spike at d: 2008-08-2 on: 2008-08-2 $\frac{5}{50}$ on the spike at Spike	9 8 Spike Amount 5000 nd spike dup Matrix	Ma Res 2: Dicate r	Ana Pre trix sult Ra 20 10 esult.	alyzed B pared B ec. 03	y: AR y: AR Rec. Limit 85 - 113	
Chloride Percent recovery is bas Matrix Spike (MS-1 QC Batch: 51912 Prep Batch: 44518 Param <u>Chloride</u> Percent recovery is bas Param	sed on the spike result () Spiked Sample: 1 M Res ied on the spike result MSD Result	Ing/ Rg . RPD is based .71856 Date Analyze QC Preparati IS <u>sult</u> Units . RPD is based Units D	on the spike and on the spike and d: 2008-08-2 on: 2008-08-2 $\frac{5}{50}$ on the spike and Spike il. Amount	9 8 Spike Amount 5000 nd spike dup Matrix Result	Ma Res Dicate r Dicate r Rec.	esult. Ana Pre trix sult Ra 20 10 esult. Rec. Limit	alyzed B pared B ec. 03 RPD	y: AR y: AR Limit 85 - 115 RPD Limit	

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Report Dat 3347	te: September	2, 2008	Work Order: 8082620 E.C. Hill 'B' Fed. #8		Page Number: 6 o		
Standard	(ICV-1)						
QC Batch:	51912		Date Ana	lyzed: 2008-08	-29	Anal	lyzed By: AR
			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2008-08-29
Standard	(CCV-1)	,					
QC Batch:	51912		Date Ana	lyzed: 2008-08	3-29	Anal	yzed By: AR
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	96.8	97	85 - 115	2008-08-29

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Analysis Request and Chain of Custody Record								PAGE:											T				
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HIGHLA (432) 682-4559	ONMENTAL CORP. Fing St. 9 79705 Fax (432) 682-3946						5001021		5 R R 8		Ī		2	0	40								
CLIENT NAME:		SITE MANAGE	R:		2	1	PRES	ERVA	TIVE D		TOD I		# # 평 평			10/624	20/02	Ĩ	5				
PROJECT NO.: 3347	PROJECT NA	Hill 'B' Fed H	+8		CONTAIN (/N)		T			802	109 I		48 As	8	VOLATICS	6240/826	. Yol. 82	908 108	R. TUS	(Atr.)	tos)		
LAB I.D. NUMBER DATE TIME	MATRIX COMP. GRAB	SAMPLE IDE	NTIFICATION		NUMBER OF	HCL.	EONH	ICE	NONE	BTEX 8020/	MTBE 8020/ TPH 418	PAH 8270	RCRA Metals TCLP Metals	TCLP Volati	RCI Seru	GC.MS Vol.	GC.MS Semi	Peat. 808/6	BOD, 135, J	Alpha Beta	PLN (Asber		
71853 08124108	SVS	B-1 (3-5')			1														\checkmark				
854 0854108	s V S	B-1 (8-10')			J														\checkmark				
855 palaclos	5 / 5	B-1 (13-15')			1				/										И				
856 0124 los	5 1 5	B-) (18-20))		1			1	/										И				
																			\square				
		1																Ļ					
Adding (Internet une) Date: Jaco			RECEIVED BY: (Signature)		Date: <u>08-24-</u> - 7- Time: <u>18:00</u>			<u>∠</u> ¥			KD BY: (Print & Tray Kindley				(Ja)	K.İy	Da Tin	ime:			<u></u>		
ELINQUISHED BY: (Signature)	 Dat	10:	RECEIVED BY: (Signature)							_	FEDEX BUS A FEDEX BUS A HAND DELIVERED UPS (AIRBI OTHE	(RBILL # THER:				
ECEIVING LABORATORY: DDRESS: TY:AJURAC	ae: K	RECEIVED BY: (Signature)															Ī	Results by: RUSH Charges Authorised: Yes No.					
AMPLE CONDITION WHEN RECE	MATRIX: W-Wa	tor A-Air SL-Sludge	SDSolid OOther			REM	RKS :	4.0	3° All tests									Midland					

2.4 *

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and a second
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Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.