

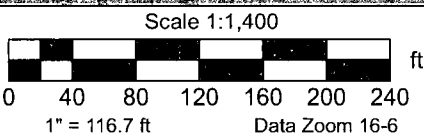
Corrective Action Plan

Date:	August 24, 2011
Client:	LINN Energy
Project:	Turner B 87 Flowline Release
Project Number:	253-2939-000
Contaminants :	Chlorides & Hydrocarbons

1. Remove surface staining from overspray at the release point.
2. Excavate primary pathway from the release point through the area of SP1 to where the drainage feature deepens until chlorides are less than 1,000 mg/kg (1-2'). Verify with laboratory analysis for Chlorides.
3. This area is the deeper section of the drainage feature. Observed staining area is 6 to 12 inches but is located at the depth of the feature is 6-7 feet. In order to preserve as much of the drainage feature it is proposed to irrigate this section after the completion of items 1,2, & 4. The open area at SP3 will be used to collect any surface water from irrigation. It should be noted that the samples collected at SP2 were based upon finding a sampling point that would represent a worse case basis for this section. The sampling site was directly up-gradient of an area of the drainage feature that had sloughed off creating a small blockage allowing liquids to pool in this area. The remainder of the feature has similar appearance to SP3.

A small amount of surfactant with dissolved calcium sulfate will be used with freshwater as the irrigant. This should aid in removing the hydrocarbons and allowing the salts to migrate vertically from the soils in this section. Samples will be collected and analyzed for TPH and Chlorides to ensure that the first 1-2 foot interval of the section is properly treated.

4. Excavate the primary pathway from a point near SP2 through surface staining past SP3 (.5-1ft vertical). Verify with laboratory analysis for Chlorides.
5. Backfill excavated areas to original grade maintaining the established drainage pathway. Place rip-rap material at the headway the deeper section of the drainage to minimize erosion control.
6. Final closure report will be prepared and submitted once completed.



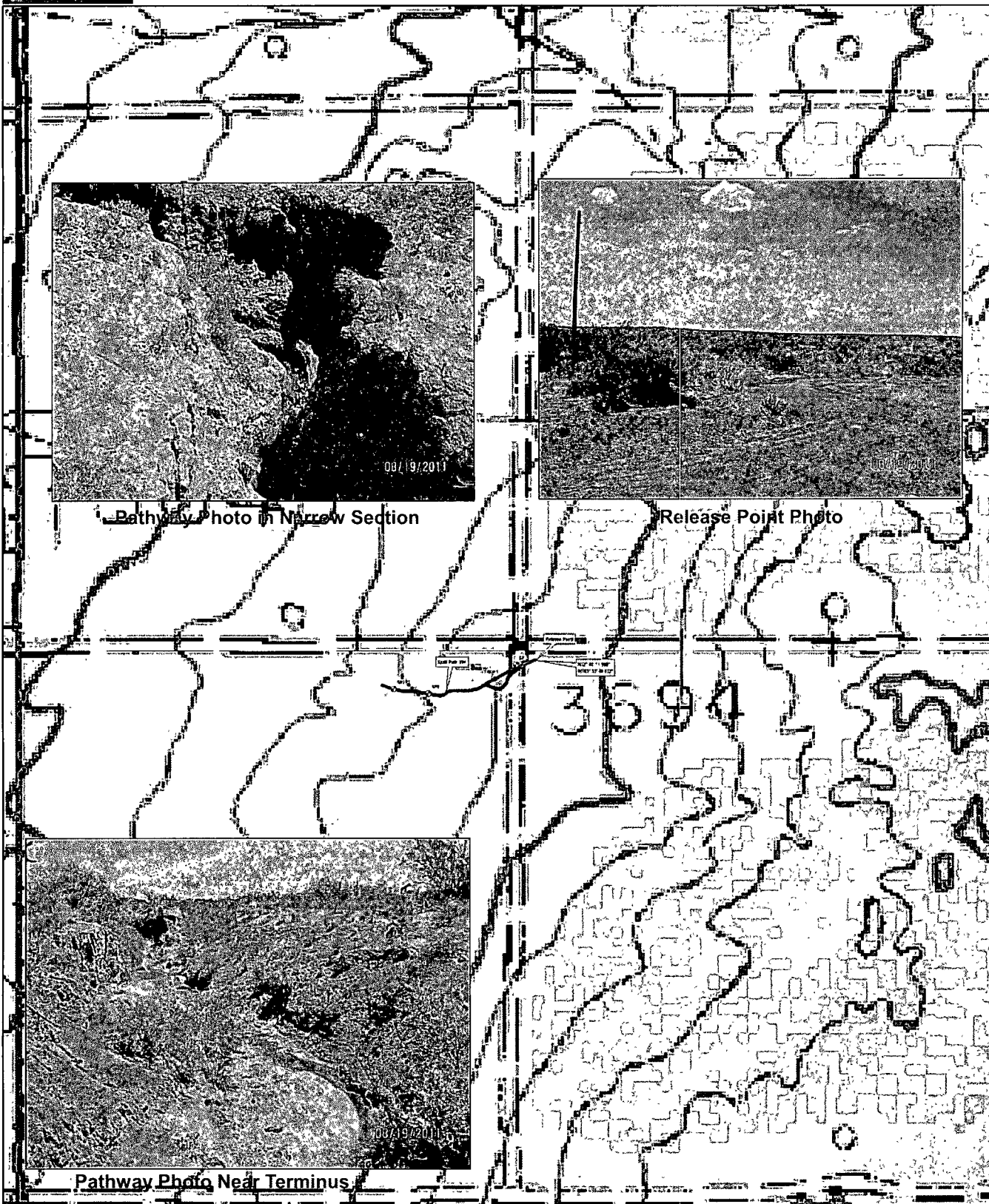
Turner B 87 Flowline Release Assessment Map



Data use subject to license

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www.delorme.com

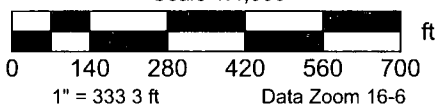


Pathway Photo Near Terminus

Release Point Photo

Pathway Photo in Narrow Section

Scale 1:4,000



Turner B 87 Flowline Release Assessment Map



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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

August 23, 2011

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: TURNER B 87 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/19/11 18:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 ETECH Environmental & Safety Solutions, Inc.
 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	08/19/2011	Sampling Date:	08/19/2011
Reported:	08/23/2011	Sampling Type:	Soil
Project Name:	TURNER B 87 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	253-2937-000	Sample Received By:	Aaron Berry
Project Location:	EDDY CO. NM		

Sample ID: SP 1 0-1' (H101766-01)

BTX 8021B		mg/kg		Analyzed By: CMS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/22/2011	ND	2.03	101	2.00	4.76	
Toluene*	0.991	0.200	08/22/2011	ND	1.95	97.7	2.00	5.55	
Ethylbenzene*	2.90	0.200	08/22/2011	ND	1.99	99.6	2.00	6.29	
Total Xylenes*	6.66	0.600	08/22/2011	ND	6.02	100	6.00	6.05	

Surrogate 4-Bromofluorobenzene (PIL) 149 % 70-130

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	293	100	08/23/2011	ND	194	97.1	200	5.39	
DRO >C10-C28	2700	100	08/23/2011	ND	180	90.0	200	1.89	

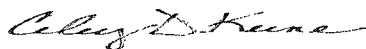
Surrogate 1-Chlorooctane 119 % 70-130

Surrogate 1-Chlorooctadecane 121 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ETECH Environmental & Safety Solutions, Inc.
 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

 Received: 08/19/2011
 Reported: 08/23/2011
 Project Name: TURNER B 87 FLOWLINE
 Project Number: 253-2937-000
 Project Location: EDDY CO. NM

 Sampling Date: 08/19/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Aaron Berry

Sample ID: SP 2 0-1' (H101766-06)

BTEX 8021B	mg/kg	Analyzed By: CMS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.17	0.500	08/22/2011	ND	2.03	101	2.00	4.76	
Toluene*	31.4	0.500	08/22/2011	ND	1.95	97.7	2.00	5.55	
Ethylbenzene*	31.7	0.500	08/22/2011	ND	1.99	99.6	2.00	6.29	
Total Xylenes*	56.4	1.50	08/22/2011	ND	6.02	100	6.00	6.05	

Surrogate 4-Bromofluorobenzene (PIL) 144 % 70-130

TPH 8015M	mg/kg	Analyzed By: ab						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3680	100	08/23/2011	ND	194	97.1	200	5.39	
DRO >C10-C28	13400	100	08/23/2011	ND	180	90.0	200	1.89	

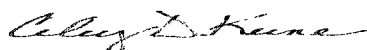
Surrogate 1-Chlorooctane 135 % 70-130

Surrogate 1-Chlorooctadecane 112 % 70-130

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Analytical Results For:

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 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	08/19/2011	Sampling Date:	08/19/2011
Reported:	08/23/2011	Sampling Type:	Soil
Project Name:	TURNER B 87 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	253-2937-000	Sample Received By:	Aaron Berry
Project Location:	EDDY CO. NM		

Sample ID: SP 3 0-1' (H101766-11)

BTEx 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.053	0.050	08/22/2011	ND	2.03	101	2.00	4.76	
Toluene*	0.118	0.050	08/22/2011	ND	1.95	97.7	2.00	5.55	
Ethylbenzene*	0.082	0.050	08/22/2011	ND	1.99	99.6	2.00	6.29	
Total Xylenes*	0.155	0.150	08/22/2011	ND	6.02	100	6.00	6.05	

Surrogate 4-Bromofluorobenzene (PIL) 107 % 70-130

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.0	10.0	08/23/2011	ND	194	97.1	200	5.39	
DRO >C10-C28	342	10.0	08/23/2011	ND	180	90.0	200	1.89	

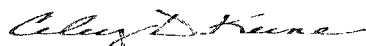
Surrogate 1-Chlorooctane 103 % 70-130

Surrogate 1-Chlorooctadecane 113 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

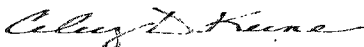
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST FORM

Page 1 of 2

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: Etch Env. & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Fred Holmes				P.O. #:															
Address: P.O. Box 8469				Company:															
City: Midland		State: TX		Zip: 79708		Attn:													
Phone #: 432-563-2200		Fax #: 432-563-2713		Address:		City:													
Project #:		Project Owner:		State:		Zip:													
Project Name:				Phone #:															
Project Location:				Fax #:															
Sampler Name:																			
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING		TPH (8015)		TPH Ext (TX 1005)		Chlorides					
H101766-11		8/3/11		GROUNDWATER		X		DATE: 8/19		TIME: 10:00		X		X		X			
-12		8/3/11		WASTEWATER		X		DATE: 8/19		TIME: 10:00		X		X		X			
-13		8/3/11		SOIL		X		DATE: 8/19		TIME: 10:00		X		X		X			
-14		8/3/11		OIL		X		DATE: 8/19		TIME: 10:00		X		X		X			
-15		8/3/11		SLUDGE		X		DATE: 8/19		TIME: 10:00		X		X		X			
				OTHER															
				ACID/BASE															
				ICE / COOL															
				OTHER															

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:		Date: 8/19		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
[Signature]		Time: 10:15		[Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Temp.		Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:		#26 3.5C		Cool Intact		(Initials)			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
				<input type="checkbox"/> Yes <input type="checkbox"/> No					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 23, 2011

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: TURNER B 87 FLOWLINE

Enclosed are the results of analyses for samples received by the laboratory on 08/19/11 18:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 ETECH Environmental & Safety Solutions, Inc.
 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

 Received: 08/19/2011
 Reported: 08/23/2011
 Project Name: TURNER B 87 FLOWLINE
 Project Number: 253-2937-000
 Project Location: EDDY CO. NM

 Sampling Date: 08/19/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Aaron Berry

Sample ID: SP 1 0-1' (H101766-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 1 1-2' (H101766-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6700	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 1 2-3' (H101766-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 1 3-4' (H101766-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/22/2011	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ETECH Environmental & Safety Solutions, Inc.
 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	08/19/2011	Sampling Date:	08/19/2011
Reported:	08/23/2011	Sampling Type:	Soil
Project Name:	TURNER B 87 FLOWLINE	Sampling Condition:	Cool & Intact
Project Number:	253-2937-000	Sample Received By:	Aaron Berry
Project Location:	EDDY CO. NM		

Sample ID: SP 1 4-5' (H101766-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 2 0-1' (H101766-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 2 1-2' (H101766-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 2 2-3' (H101766-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/22/2011	ND	448	112	400	0.00		

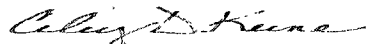
Sample ID: SP 2 3-4' (H101766-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/22/2011	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ETECH Environmental & Safety Solutions, Inc.
 FRED HOLMES
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

 Received: 08/19/2011
 Reported: 08/23/2011
 Project Name: TURNER B 87 FLOWLINE
 Project Number: 253-2937-000
 Project Location: EDDY CO. NM

 Sampling Date: 08/19/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Aaron Berry

Sample ID: SP 2 4-5' (H101766-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 3 0-1' (H101766-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	08/22/2011	ND	448	112	400	0.00	

Sample ID: SP 3 1-2' (H101766-12)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/22/2011	ND	448	112	400	0.00	

Sample ID: SP 3 2-3' (H101766-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/22/2011	ND	448	112	400	0.00		

Sample ID: SP 3 3-4' (H101766-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/22/2011	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708
Fax To: (432) 563-2213

Received: 08/19/2011
Reported: 08/23/2011
Project Name: TURNER B 87 FLOWLINE
Project Number: 253-2937-000
Project Location: EDDY CO. NM

Sampling Date: 08/19/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Aaron Berry

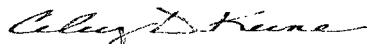
Sample ID: SP 3 4-5' (H101766-15)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/22/2011	ND	448	112	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

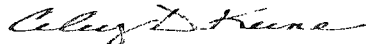
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: Etch Env. & Safety Solutions, Inc.				BILL TO												ANALYSIS REQUEST																					
Project Manager: Fred Holmes				P.O. #:																																	
Address: P.O. Box 8469				Company:																																	
City: Midland		State: TX		Zip: 79708		Attn:																															
Phone #: 432-563-2200		Fax #: 432-563-2213		Address:		City:																															
Project #:		Project Owner:		State:		Zip:																															
Project Name:		Project Location:		Phone #:		Fax #:																															
Sampler Name:																																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																													
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME		TPH (8015)		TPH Ext (TX 1005)		Chlorides		BTEX	
H101766-11		S-3 C-1		1		1																				5/12		1:00									
-12		S-3 C-2		1		1																				5/12		1:00									
-13		S-3 C-3		1		1																				5/12		1:00									
-14		S-3 C-4		1		1																				5/12		1:00									
-15		S-3 C-5		1		1																				5/12		1:00									

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished By:		Date: 5/12		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: 1:45		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Temp. #26 3.5C		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:									
REMARKS:									

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