District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

JUN 30 2009

Form C-141
Revised June 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

30-015-36467

Release Notification and Corrective Action

nMLB 0920853986

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC 229137	Contact: Pat Ellis
Address: 550 W. Texas, Suite 1300, Midland, Tx 79701	Telephone No. (432) 683-7443
Facility Name: Electra Federal North Battery	Facility Type: Tank Battery

Surface Owner Charles Martin	Mineral Owner Unknown	Lease No. API# 30-015-36467

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North Line	Feet from the	East Line	County
B	10	17S	30E	1170'	North	2310'	East	Eddy

NATURE OF RELEASE

Type of Release Oil	Volume of Release 150 BBLs	Volume Recovered 90 BBLs
Source of Release Tank Overflowed	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 03/05/09 – 8:00 am
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom? C	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Tank overflowed and was contained within firewall. Site was vacuumed and soils excavated.

Describe Area Affected and Cleanup Action Taken.*
All oil was contained within firewall. COG Operating LLC vacuumed all liquids from ground and as of 03/06/09 dug and removed soils. Tetra Tech sampled site on 03/10/09. Upon completion of delineation, remaining hydrocarbon impacted soils were excavated and removed offsite for proper disposal.

I hereby certify that the information given above is true and complete 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 notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Jeffrey Kindley	OIL CONSERVATION DIVISION
Printed Name: Jeffrey Kindley as agent for COG	Signed By Mike Bratcher Approved by District Supervisor:
Title: Division Senior Environmental Geologist	Approval Date: JUL 27 2009 Expiration Date: N/A
E-mail Address: jeff.kindley@tetratech.com	Conditions of Approval: N/A Attached ☐
Date: 06/24/09 Phone: (432) 682-4559	

* Attach Additional Sheets If Necessary

2RP-324

JUN 3 0 2009

SITE INFORMATION

REPORT TYPE: Assessment Report

Report Date: June 24, 2009

General Site Information:	
Site:	Electra Federal North Battery
Company:	COG Operating LLC
Section, Township and Range	Section 10 Township 17S Range 30E
Unit Letter:	B
Lease Number:	API # 30-015-36468
County:	Eddy County
GPS:	N32° 51' 10.59" W103° 57' 29.47"
Surface Owner:	Charles Martin
Mineral Owner:	Unknown
Directions:	From Lovington, NM go west on Hwy 82 to CR215. Turn right on CR215 and travel
	1.7 miles to four way and turn right (east) and travel for 0.8 miles to four way and turn
	left (north) and travel for 0.4 miles and turn right (east) and travel 0.3 miles to TB

Release Data:	
Date Released:	3/5/2009
Type Release:	Oil
Source of Contamination:	Tank overflowed
Fluid Released:	150 BBLS
Fluids Recovered:	90 BBLS

Official Communication:			
Name:	Phyllis A. Edwards		Ike Tavarez
Company:	COG Operating LLC		Tetra Tech, Inc.
Address:	550 W. Texas, Suite 1300		1910 N. Big Spring
P.O. Box			
City:	Midland, Tx 79701		Midland, Texas 79705
Phone number:	(432) 685-4340		(432) 682- 4559
Email:	edward@conchoresources.co		ike.tavarez@tetratech.com

Ranking Criteria		
Depth to Groundwater:	***Ranking Score***	***Site Data***
<50 ft	20	
50-99 ft	10	
>100 ft.	0	*Average Depth >350*
WellHead Protection:	***Ranking Score***	***Site Data***
Water Source <1,000 ft., Private <200 ft.	*20*	*None*
Water Source >1,000 ft., Private >200 ft.	*0*	
Surface Body of Water:	***Ranking Score***	***Site Data***
<200 ft.	*20*	*None*
200 ft - 1,000 ft.	10	*None*
>1,000 ft.	0	
Total Ranking Score:	**0**	

Acceptable Soil RRAL (mg/kg)		
Benzene	*Total BTEX*	*TPH*
10	**50**	**5,000**

TETRA TECH

June 24, 2009

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Re: Assessment and Closure Report for the COG Operating LLC., Electra Federal North Battery, Unit B, Section 10, Township 17 South, Range 30 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. was contacted by COG Operating, LLC (COG) to assess a spill from the Electra Federal North Battery, located in Unit B, Section 10, Township 17 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32° 51' 10.59", W 103° 57' 29.47". The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on March 5, 2009. Approximately 150 barrels of oil were released, when a tank overflowed. The spill covered a 35 foot by 90 foot area and 160 foot by 10 to 20 foot area within the berm of the tank battery. Of the 150 barrels released approximately 90 barrels were recovered by vacuum trucks. The soils within the berm were scraped to a maximum depth of 1 foot below ground surface on March 6, 2009. The initial and final C-141 is enclosed in Appendix A.

Groundwater

No water wells were found within Township 17 South and Range 37 East. However, according to the ChevronTexaco *Eddy County Depth to Groundwater Water Well Facility Map*, the approximate depth to groundwater in the region is approximately 350 feet below ground surface (bgs). Copies of the groundwater depth information for this site are included in Appendix B.

Regulatory

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,

Tetra Tech
1910 North Big Spring, Midland TX 79705
Tel 432 682 4559 Fax 432 682.3946 www.tetratech.com

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 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Results

On March 10, 2009, Tetra Tech inspected and sampled the spill area. A total of eight (8) auger holes (AH-1 through AH-8) were installed using a stainless steel hand auger to assess the impacted soils within the tank battery. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. All of the samples analyzed were below the RRAL for both BTEX and TPH with the exception of auger hole AH-2, AH-3, and AH-4 at 0 to 1 foot below excavation bottom (BEB). All chloride concentrations were less than 20 mg/kg in all samples collected and analyzed. All sampling results are summarized in Table 1. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The spill area and the auger hole locations are shown on Figure 3.

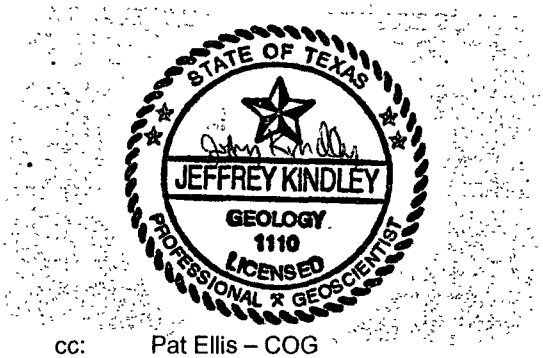
Soil Remediation

Upon completion of the sampling at the site, COG excavated the first foot of hydrocarbon impacted soils from around auger hole AH-2, AH-3, and AH-4. Soils from the excavation were transported offsite for proper disposal.

Conclusions

The remedial activities performed at the site leave no residual TPH or BTEX concentrations that exceed the RRAL. With groundwater depth at approximately 350 feet bgs, it does not appear that any residual hydrocarbons remaining within the soils would pose an imminent threat to groundwater.

Based upon the results of the assessment and work performed at this site, COG requests closure of this site. If you have any question or comments concerning the assessment or the activities performed at the Site, please call me at (432) 682-4559.



Respectfully submitted,
TETRA TECH, Inc.

Jeffrey Kindley, P.G.
Sr. Project Manager

cc: Pat Ellis – COG

FIGURES

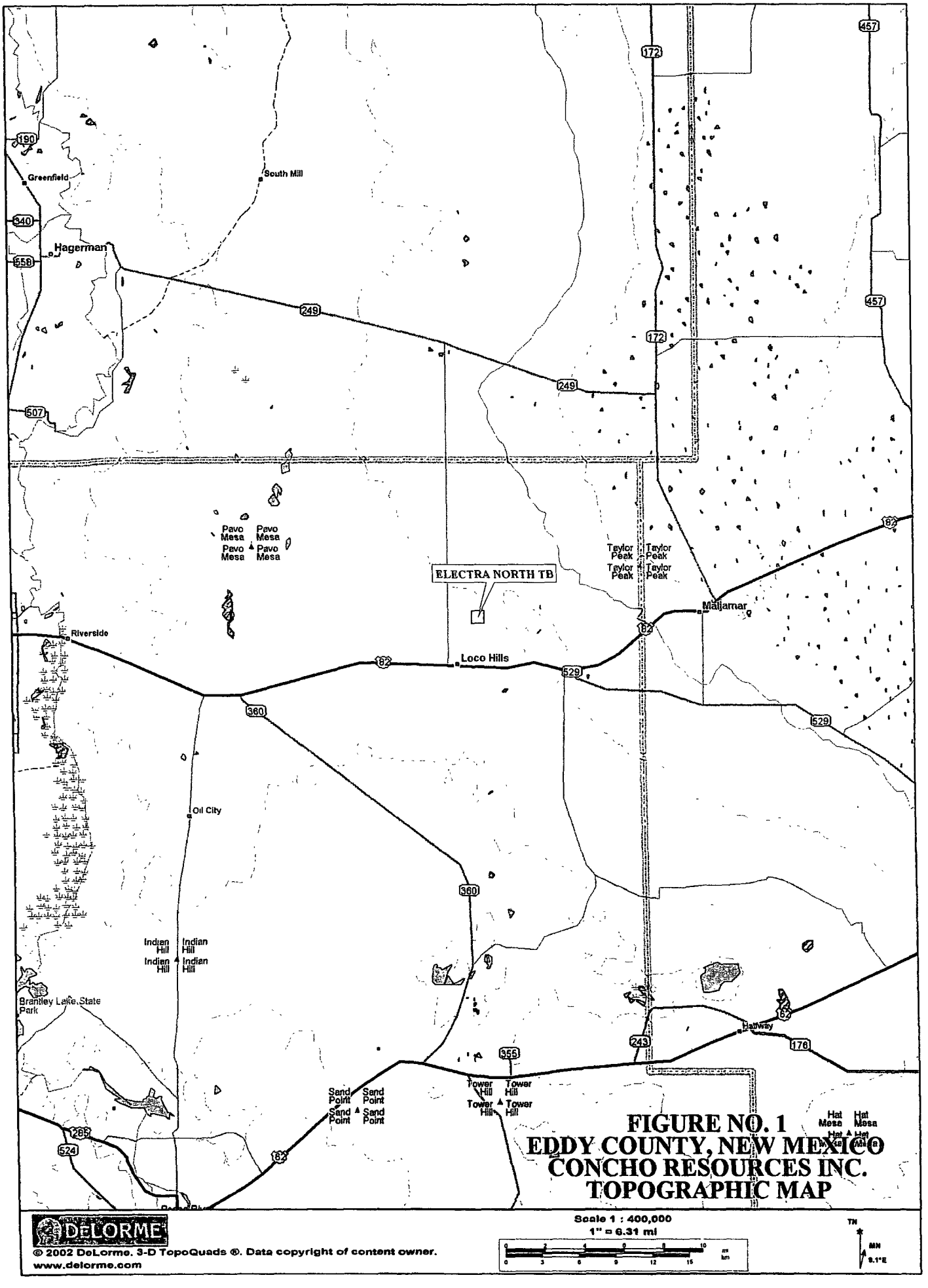


FIGURE NO. 1
EDDY COUNTY, NEW MEXICO
CONCHO RESOURCES INC.
TOPOGRAPHIC MAP

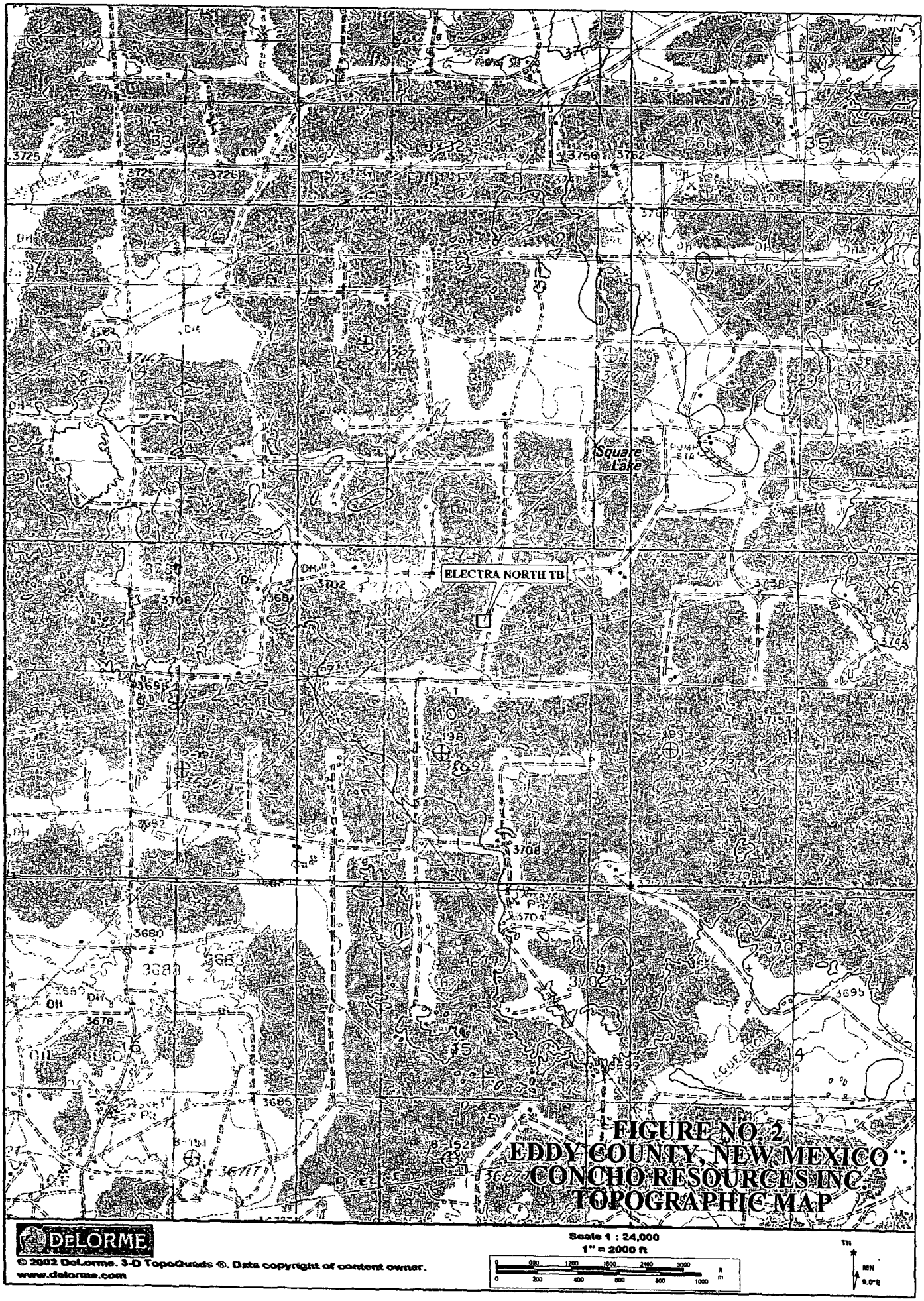


FIGURE NO. 2
EDDY COUNTY, NEW MEXICO
CONCHO RESOURCES INC.
TOPOGRAPHIC MAP

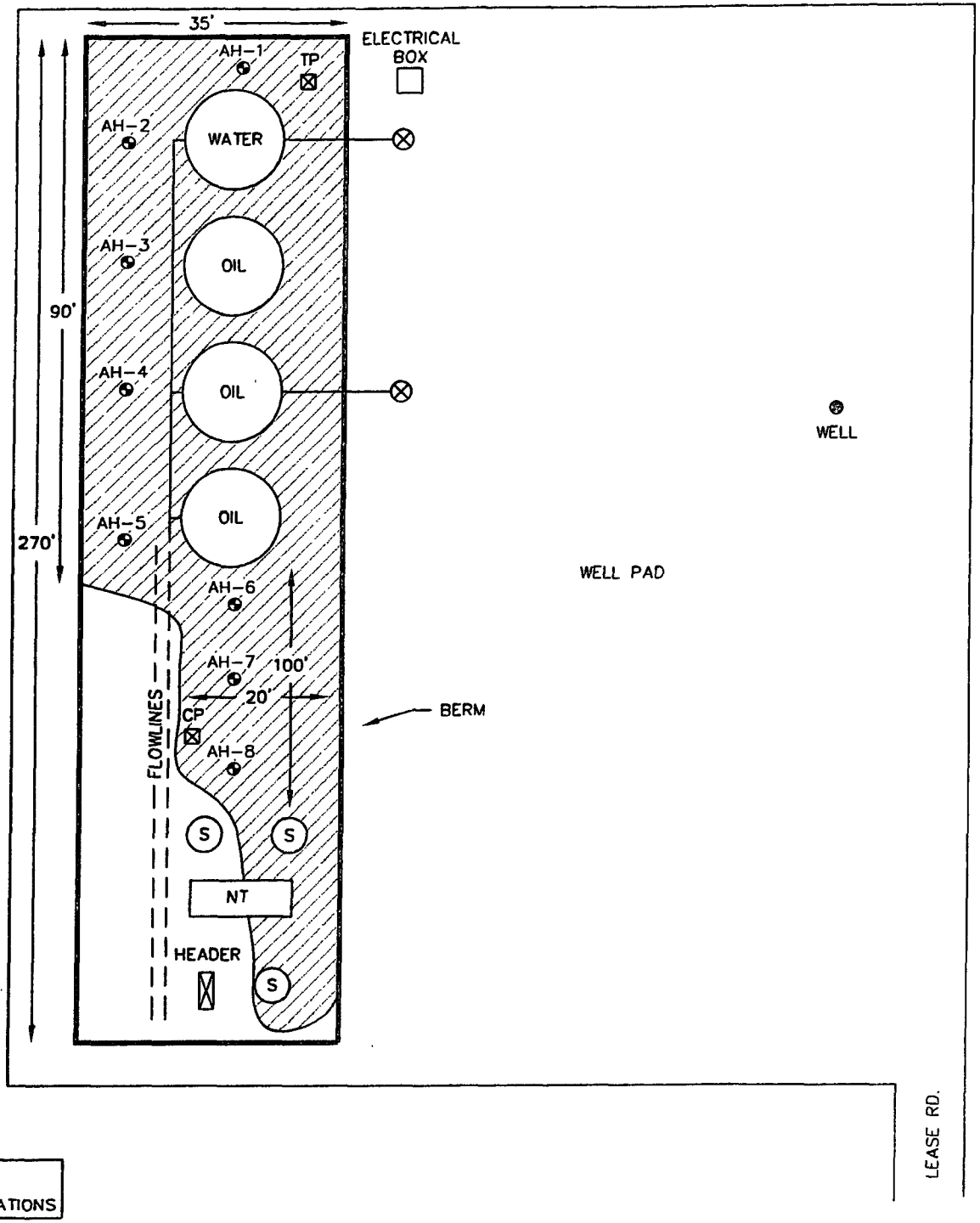


FIGURE NO. 3

EDDY COUNTY, NEW MEXICO

CONCHO RESOURCES INC.

ELECTRA NORTH TB

DATE: 3/30/09

DWN. BY: JJ

FILE: H:\CAD\8400125 ELECTRA NORTH TB

TETRA TECH, INC.
MIDLAND, TEXAS

Table 1
COG
Electra Tank Battery
Eddy County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	DRO	GRO	Total					
AH-1	3/10/2009	0-1 BEB (2.0')	X		<50.0	11.7	11.7	-	-	-	-	<200
AH-2	3/10/2009	0-1 BEB (4")		X	8,090	5,740	13,830	68.6	196	139	183	<200
	3/10/2009	1-1.5 BEB (4")	X		<50.0	<1.00	<50.0	<0.0100	0.123	0.129	0.370	-
	3/10/2009	2-2.5 BEB (4")	X		<50.0	<1.00	<50.0	-	-	-	-	-
AH-3	3/10/2009	0-1 BEB (4")		X	5,580	2,910	8,490	29.0	104	85.2	121	<200
	3/10/2009	1-1.5 BEB (4")	X		<50.0	<1.00	<50.0	<0.0100	<0.0100	0.123	0.342	-
AH-4	3/10/2009	0-1 BEB (4")		X	2,860	3,100	5,960	18.5	81.1	65.8	89.3	<200
	3/10/2009	1-1.5 BEB (4")	X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	-
AH-5	3/10/2009	0-1 BEB (4")	X		591	263	854	0.294	2.02	3.09	4.58	<200
AH-6	3/10/2009	0-1 BEB (1.0)	X		421	115	536	-	-	-	-	<200
AH-7	3/10/2009	0-1 BEB (6")	X		<50.0	5.23	5.23	-	-	-	-	<200
AH-8	3/10/2009	0-1.0'	X		99.2	4.69	103.89	-	-	-	-	<200

(-) Not Analyzed

APPENDIX A
INITIAL AND FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company COG OPERATING LLC	Contact Phyllis A. Edwards
Address 550 W. Texas, Suite 1300 Midland, TX 79701	Telephone No. 432-685-4340
Facility Name – Electra Federal North Battery	Facility Type- Battery

Surface Owner Charles Martin	Mineral Owner	Lease No. API# 30-015-36468

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	10	17S	30E	1170	North	2310	East	Eddy

Latitude 32.852941 **Longitude** 103.958186

NATURE OF RELEASE

Type of Release- OIL	Volume of Release- 150 BBLS	Volume Recovered- 90 BBLS
Source of Release- tank overflowed	Date and Hour of Occurrence- Unknown	Date and Hour of Discovery 3/5/09- 8:00am
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

All oil was contained in the firewall. 90 BBLS was recovered & 60 BBLS was lost according to gauges.
COG Operating LLC has vacuumed all liquids from ground & as of 3-6-09 has started digging & removing contaminated caliche.
COG Operating LLC has contacted TetraTech to sample & delineate this spill.

Describe Area Affected and Cleanup Action Taken.*

I hereby certify that the information given above is true and complete 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 notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Phyllis A. Edwards	OIL CONSERVATION DIVISION	
Printed Name: Phyllis A. Edwards	Approved by District Supervisor:	
Title: Regulatory Analyst	Approval Date:	Expiration Date:
E-mail Address pedwards@conchoresources.com	Conditions of Approval:	Attached ☐
Date: 3/12/09 Phone: 432-685-4340		

* Attach Additional Sheets If Necessary

APPENDIX B
WATER WELL DATA

Water Well Data
COG - Electra Federal North Tank Battery
Average Depth to Groundwater (ft)

16 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19 **110**	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **288**
18	17	16	15	14	13 **113**
19	20	21	22	23	24
30	29	28	27	26	25
31 **290**	32	33	34	35	36

17 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22 **80**	23	24
30	29 **210** **208'**	28	27	26	25
31	32	33	34	35	36

17 South 30 East

6	5	4	3	2	1
7	8	9	10 **SITE**	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34 **271**	35	36

18 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **400**
18	17	16	15	14 **317**	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 **261**	36

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Field water level

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 17S Range: 30E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◎ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/01/2009

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 16S Range: 30E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◎ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/01/2009

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 17S Range: 31E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◎ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/01/2009

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 30E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/01/2009

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

APPENDIX C
LABORATORY ANALYTICAL

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 | Lubbock, Texas 79424 | 800•378•1296 | 806•794•1296 | FAX 806•794•1298
2501 East Sunset Road, Suite E | El Paso, Texas 79922 | 888•588•3443 | 915•585•3443 | FAX 915•585•4944
5002 Basin Street, Suite A1 | Midland, Texas 79703 | | 432•689•6301 | FAX 432•689•6313
6015 Harris Parkway, Suite 110 | Ft. Worth, Texas 76132 | | 817•201•5260 |
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

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

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: March 17, 2009

Work Order: 9031110

Project Location: Eddy Co., NM
Project Name: COG/Electra TB
Project Number: 114-6400141

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
189774	AH-1 0-1' 2' BEB	soil	2009-03-10	00:00	2009-03-11
189777	AH-2 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189778	AH-2 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189779	AH-2 2'-2.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189781	AH-3 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189782	AH-3 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189785	AH-4 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189786	AH-4 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189788	AH-5 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189791	AH-6 0-1' 1' BEB	soil	2009-03-10	00:00	2009-03-11

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
189794	AH-7 0-1' 6 in. BEB	soil	2009-03-10	00:00	2009-03-11
189797	AH-8 0-1'	soil	2009-03-10	00:00	2009-03-11

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.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project COG/Electra TB were received by TraceAnalysis, Inc. on 2009-03-11 and assigned to work order 9031110. Samples for work order 9031110 were received intact at a temperature of 5.1 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	49138	2009-03-11 at 12:58	57524	2009-03-12 at 09:11
TPH DRO	Mod. 8015B	49181	2009-03-12 at 12:00	57583	2009-03-12 at 13:50
TPH DRO	Mod. 8015B	49244	2009-03-16 at 09:00	57661	2009-03-16 at 10:00
TPH GRO	S 8015B	49146	2009-03-11 at 13:09	57523	2009-03-11 at 13:09
TPH GRO	S 8015B	49197	2009-03-12 at 10:25	57588	2009-03-12 at 10:25
TPH GRO	S 8015B	49239	2009-03-13 at 15:19	57636	2009-03-13 at 15:19

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 9031110 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.

Analytical Report

Sample: 189774 - AH-1 0-1' 2' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189774 - AH-1 0-1' 2' BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		52.2	mg/Kg	1	100	52	13.2 - 219.3

Sample: 189774 - AH-1 0-1' 2' BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	Sample Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**11.7**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.969	mg/Kg	1	1.00	97	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.944	mg/Kg	1	1.00	94	52 - 117

Sample: 189777 - AH-2 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189777 - AH-2 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**8090**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	438	mg/Kg	5	100	438	13.2 - 219.3

Sample: 189777 - AH-2 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57588	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**5740**	mg/Kg	100	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		88.1	mg/Kg	100	100	88	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[2]	147	mg/Kg	100	100	147	52 - 117

[1] High surrogate recovery due to peak interference.
[2] High surrogate recovery due to peak interference.

Sample: 189778 - AH-2 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57661	Date Analyzed:	2009-03-16	Analyzed By:	LD
Prep Batch:	49244	Sample Preparation:	2009-03-16	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		134	mg/Kg	1	100	134	13.2 - 219.3

Sample: 189778 - AH-2 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57636	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.915	mg/Kg	1	1.00	92	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.666	mg/Kg	1	1.00	67	52 - 117

Sample: 189779 - AH-2 2'-2.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57661	Date Analyzed:	2009-03-16	Analyzed By:	LD
Prep Batch:	49244	Sample Preparation:	2009-03-16	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		89.9	mg/Kg	1	100	90	13.2 - 219.3

Sample: 189779 - AH-2 2'-2.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57636	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.958	mg/Kg	1	1.00	96	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.640	mg/Kg	1	1.00	64	52 - 117

Sample: 189781 - AH-3 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189781 - AH-3 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**5580**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	340	mg/Kg	5	100	340	13.2 - 219.3

[3]High surrogate recovery due to peak interference.

Sample: 189781 - AH-3 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57588	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**2910**		mg/Kg	100	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		83.6	mg/Kg	100	100	84	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[4]	125	mg/Kg	100	100	125	52 - 117

Sample: 189782 - AH-3 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57661	Date Analyzed:	2009-03-16	Analyzed By:	LD
Prep Batch:	49244	Sample Preparation:	2009-03-16	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		101	mg/Kg	1	100	101	13.2 - 219.3

Sample: 189782 - AH-3 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57636	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<1.00		mg/Kg	1	1.00

[4]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.649	mg/Kg	1	1.00	65	52 - 117

Sample: 189785 - AH-4 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189785 - AH-4 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**2860**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[5]	232	mg/Kg	1	100	232	13.2 - 219.3

Sample: 189785 - AH-4 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57588	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3100**	mg/Kg	50	1.00

[5]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		45.5	mg/Kg	50	50.0	91	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[6]	77.3	mg/Kg	50	50.0	155	52 - 117

Sample: 189786 - AH-4 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57661	Date Analyzed:	2009-03-16	Analyzed By:	LD
Prep Batch:	49244	Sample Preparation:	2009-03-16	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	100	108	13.2 - 219.3

Sample: 189786 - AH-4 1'-1.5' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57636	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.959	mg/Kg	1	1.00	96	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.634	mg/Kg	1	1.00	63	52 - 117

Sample: 189788 - AH-5 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

[6] High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189788 - AH-5 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**591**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	100	122	13.2 - 219.3

Sample: 189788 - AH-5 0-1' 4 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	Sample Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**263**	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	2	2.00	104	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[7]	4.41	mg/Kg	2	2.00	220	52 - 117

Sample: 189791 - AH-6 0-1' 1' BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

continued ...

[7]High surrogate recovery due to peak interference.

sample 189791 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189791 - AH-6 0-1' 1' BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**421**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		104	mg/Kg	1	100	104	13.2 - 219.3

Sample: 189791 - AH-6 0-1' 1' BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	Sample Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**115**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[8]	1.91	mg/Kg	1	1.00	191	52 - 117

[8]High surrogate recovery due to peak interference.

Sample: 189794 - AH-7 0-1' 6 in. BEB

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189794 - AH-7 0-1' 6 in. BEB

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		68.8	mg/Kg	1	100	69	13.2 - 219.3

Sample: 189794 - AH-7 0-1' 6 in. BEB

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	Sample Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		**5.23**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.927	mg/Kg	1	1.00	93	52 - 117

Sample: 189797 - AH-8 0-1'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	Sample Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 189797 - AH-8 0-1'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	Sample Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		**99.2**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		62.4	mg/Kg	1	100	62	13.2 - 219.3

Sample: 189797 - AH-8 0-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	Sample Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		**4.69**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.898	mg/Kg	1	1.00	90	52 - 117

Method Blank (1) QC Batch: 57523

QC Batch:	57523	Date Analyzed:	2009-03-11	Analyzed By:	ME
Prep Batch:	49146	QC Preparation:	2009-03-11	Prepared By:	ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.482	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.862	mg/Kg	1	1.00	86	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.888	mg/Kg	1	1.00	89	56.5 - 109.5

Method Blank (1) QC Batch: 57524

QC Batch:	57524	Date Analyzed:	2009-03-12	Analyzed By:	AR
Prep Batch:	49138	QC Preparation:	2009-03-11	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.01	mg/Kg	4

Method Blank (1) QC Batch: 57583

QC Batch:	57583	Date Analyzed:	2009-03-12	Analyzed By:	LD
Prep Batch:	49181	QC Preparation:	2009-03-12	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		<13.4	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		77.9	mg/Kg	1	100	78	13 - 178.5

Method Blank (1) QC Batch: 57588

QC Batch:	57588	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	QC Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.482	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.878	mg/Kg	1	1.00	88	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.905	mg/Kg	1	1.00	90	56.5 - 109.5

Method Blank (1) QC Batch: 57636

QC Batch: 57636 Date Analyzed: 2009-03-13 Analyzed By: ME
Prep Batch: 49239 QC Preparation: 2009-03-13 Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.482	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.865	mg/Kg	1	1.00	86	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.702	mg/Kg	1	1.00	70	56.5 - 109.5

Method Blank (1) QC Batch: 57661

QC Batch: 57661 Date Analyzed: 2009-03-16 Analyzed By: LD
Prep Batch: 49244 QC Preparation: 2009-03-16 Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		24.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		173	mg/Kg	1	100	173	13 - 178.5

Laboratory Control Spike (LCS-1)

QC Batch: 57523 Date Analyzed: 2009-03-11 Analyzed By: ME
Prep Batch: 49146 QC Preparation: 2009-03-11 Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.32	mg/Kg	1	10.0	<0.482	73	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.30	mg/Kg	1	10.0	<0.482	73	60.5 - 100.1	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.888	0.893	mg/Kg	1	1.00	89	89	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.902	0.914	mg/Kg	1	1.00	90	91	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57524 | Date Analyzed: 2009-03-12 | Analyzed By: AR
Prep Batch: 49138 | QC Preparation: 2009-03-11 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<2.01	100	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.8	mg/Kg	1	100	<2.01	99	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 57583 | Date Analyzed: 2009-03-12 | Analyzed By: LD
Prep Batch: 49181 | QC Preparation: 2009-03-12 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	236	mg/Kg	1	250	<13.4	94	57.4 - 133.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	232	mg/Kg	1	250	<13.4	93	57.4 - 133.4	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	62.5	64.2	mg/Kg	1	100	62	64	48.5 - 146.7

Laboratory Control Spike (LCS-1)

QC Batch: 57588 | Date Analyzed: 2009-03-12 | Analyzed By: ME
Prep Batch: 49197 | QC Preparation: 2009-03-12 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.61	mg/Kg	1	10.0	<0.482	76	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.31	mg/Kg	1	10.0	<0.482	73	60.5 - 100.1	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.905	0.908	mg/Kg	1	1.00	90	91	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.927	0.929	mg/Kg	1	1.00	93	93	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57636 | Date Analyzed: 2009-03-13 | Analyzed By: ME
Prep Batch: 49239 | QC Preparation: 2009-03-13 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	6.62	mg/Kg	1	10.0	<0.482	66	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	6.82	mg/Kg	1	10.0	<0.482	68	60.5 - 100.1	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.905	0.896	mg/Kg	1	1.00	90	90	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.719	0.725	mg/Kg	1	1.00	72	72	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57661 | Date Analyzed: 2009-03-16 | Analyzed By: LD
Prep Batch: 49244 | QC Preparation: 2009-03-16 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	280	mg/Kg	1	250	24.6	102	57.4 - 133.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	268	mg/Kg	1	250	24.6	97	57.4 - 133.4	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	122	119	mg/Kg	1	100	122	119	48.5 - 146.7

Matrix Spike (MS-1) Spiked Sample: 189006

QC Batch: 57523 | Date Analyzed: 2009-03-11 | Analyzed By: ME
Prep Batch: 49146 | QC Preparation: 2009-03-11 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.2	mg/Kg	1	10.0	<0.482	100	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.0	mg/Kg	1	10.0	<0.482	98	12.8 - 175.2	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.02	1.03	mg/Kg	1	1	102	103	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.912	0.912	mg/Kg	1	1	91	91	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 189797

QC Batch: 57524 | Date Analyzed: 2009-03-12 | Analyzed By: AR
Prep Batch: 49138 | QC Preparation: 2009-03-11 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5500	mg/Kg	50	5000	<100	110	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	5410	mg/Kg	50	5000	<100	108	85 - 115	2	20

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

Matrix Spike (MS-1) Spiked Sample: 189585

QC Batch: 57583 | Date Analyzed: 2009-03-12 | Analyzed By: LD
Prep Batch: 49181 | QC Preparation: 2009-03-12 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [9]	1570	mg/Kg	1	250	1570	0	35.2 - 167.1

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [10]	1520	mg/Kg	1	250	1570	0	35.2 - 167.1	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane [11 12]	189	182	mg/Kg	1	100	189	182	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 189900

QC Batch: 57588 | Date Analyzed: 2009-03-12 | Analyzed By: ME
Prep Batch: 49197 | QC Preparation: 2009-03-12 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.91	mg/Kg	1	10.0	<0.482	97	12.8 - 175.2

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

[9] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[10] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] High surrogate recovery due to peak interference.
[12] High surrogate recovery due to peak interference.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.2	mg/Kg	1	10.0	<0.482	100	12.8 - 175.2	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.11	1.11	mg/Kg	1	1	111	111	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.921	0.921	mg/Kg	1	1	92	92	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 189786

QC Batch: 57636 | Date Analyzed: 2009-03-13 | Analyzed By: ME
Prep Batch: 49239 | QC Preparation: 2009-03-13 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.09	mg/Kg	1	10.0	<0.482	91	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.32	mg/Kg	1	10.0	<0.482	93	12.8 - 175.2	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.00	1.01	mg/Kg	1	1	100	101	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.677	0.682	mg/Kg	1	1	68	68	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 189778

QC Batch: 57661 | Date Analyzed: 2009-03-16 | Analyzed By: LD
Prep Batch: 49244 | QC Preparation: 2009-03-16 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	248	mg/Kg	1	250	35.8	85	35.2 - 167.1

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	227	mg/Kg	1	250	35.8	76	35.2 - 167.1	9	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	89.4	79.2	mg/Kg	1	100	89	79	34.5 - 178.4

Standard (ICV-1)

QC Batch: 57523 Date Analyzed: 2009-03-11 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.914	91	85 - 115	2009-03-11

Standard (CCV-1)

QC Batch: 57523 Date Analyzed: 2009-03-11 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2009-03-11

Standard (ICV-1)

QC Batch: 57524 Date Analyzed: 2009-03-12 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2009-03-12

Standard (CCV-1)

QC Batch: 57524 Date Analyzed: 2009-03-12 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.3	98	85 - 115	2009-03-12

Standard (CCV-1)

QC Batch: 57583 Date Analyzed: 2009-03-12 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	217	87	85 - 115	2009-03-12

Standard (CCV-2)

QC Batch: 57583 Date Analyzed: 2009-03-12 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	213	85	85 - 115	2009-03-12

Standard (CCV-3)

QC Batch: 57583 Date Analyzed: 2009-03-12 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	262	105	85 - 115	2009-03-12

Standard (ICV-1)

QC Batch: 57588 Date Analyzed: 2009-03-12 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.869	87	85 - 115	2009-03-12

Standard (CCV-1)

QC Batch: 57588 Date Analyzed: 2009-03-12 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.945	94	85 - 115	2009-03-12

Standard (ICV-1)

QC Batch: 57636 Date Analyzed: 2009-03-13 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.847	85	85 - 115	2009-03-13

Standard (CCV-1)

QC Batch: 57636 Date Analyzed: 2009-03-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.858	86	85 - 115	2009-03-13

Standard (CCV-1)

QC Batch: 57661 Date Analyzed: 2009-03-16 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	251	100	85 - 115	2009-03-16

Standard (CCV-2)

QC Batch: 57661 Date Analyzed: 2009-03-16 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	262	105	85 - 115	2009-03-16

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400141

PROJECT NAME: COG / Electra TB
Eddy Co, NM

LAB I.D. NUMBER	DATE 2009	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
189774	3/10		S		X	AH-1 0-1' 2' BEB	1				X	
775						AH-1 1'-1.5' 2' BEB						
776						AH-1 2'-2.5' 2' BEB						
777						AH-2 0-1' 4" BEB						
778						AH-2 1'-1.5' 4" BEB						
779						AH-2 2'-2.5' 4" BEB						
780						AH-2 3'-3.5' 4" BEB						
781						AH-3 0-1' 4" BEB						
782						AH-3 JT 0 1'-1.5' 4" BEB						
783						AH-3 2'-2.5' 4" BEB						

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B; TPH 8015 MOD. TX1005 (Ext. to C35); PAH 8270; RCRA Metals Ag As Ba Cd Cr Pb Hg Se; TCLP Metals Ag As Ba Cd Vr Pd Hg Se; TCLP Volatiles; TCLP Semi Volatiles; RCI; GC.MS Vol. 8240/8260/624; GC.MS Semi. Vol. 8270/625; PCB's 8080/608; Pest. 8081/608; Chloride; Gamma Spec.; Alpha Beta (Air); PLM (Asbestos); Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)	Date: 03/11/09 Time: 10:00	RECEIVED BY: (Signature)	Date: 3/11/09 Time: 10:00
SAMPLED BY: (Print & Initial) JT/ZG	Date: 3/10/09 Time:		
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS	AIRBILL #: OTHER:		
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
TETRA TECH CONTACT PERSON: Ike Tavarez	Results by:		
RECEIVING LABORATORY: Trace	RECEIVED BY: (Signature)		RUSH Charges Authorized: Yes No
ADDRESS: CITY: Midland STATE: TX ZIP: CONTACT: PHONE:	DATE: TIME:		

SAMPLE CONDITION WHEN RECEIVED: 5.1

REMARKS: If total TPH exceeds 5000 mg/kg, run deeper horizons (HOLD FOR BTEX) All tests Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG
SITE MANAGER: Ike Tavarez
PROJECT NO.: 114-440 0141
PROJECT NAME: COG / Electra TB

LAB I.D. NUMBER	DATE 2007	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
189784	3/10		S		X	AH-3	3'-3.5'	4" BEB	1				X																	
785						AH-4	0-1'	4" BEB								X										X				
786						AH-4	1'-1.5'	4" BEB																						
787						AH-4	2'-2.5'	4" BEB																						
						~~AH-4~~	~~3'-3.5'~~	~~4" BEB~~																						
788						AH-5	0-1'	4" BEB								X										X				
789						AH-5	1'-1.5'	4" BEB																						
790						AH-5	2'-2.5'	4" BEB																						
791						AH-6	0-1'	1' BEB								X										X				
792						AH-6	1'-1.5'	1' BEB																						

RELINQUISHED BY: (Signature) — Date: 03/11/07 Time: 10:00
RECEIVED BY: (Signature) Lindsey Wilke — Date: 3/11/07 Time: 10:60
SAMPLED BY: (Print & Initial) JT / IRG — Date: 3/10/07 Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 5.1

REMARKS: If total TPH exceeds 5000 mg/kg, run deeper horizons HOLD FOR BTEX All tests Nida

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-G4001141

PROJECT NAME: COG / Electra TB
Eddy Co, NM

LAB I.D. NUMBER	DATE 2009	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. / TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
189793	3/10		S		X	AH-6	2'-2.5'	1				X														X				
794						AH-7	0-1'								X											X				
795						AH-7	1'-1.5'																							
796						AH-7	2'-2.5'																							
797						AH-8	0-1'								X											X				
798						AH-8	1'-1.5'																							
799						AH-8	2'-2.5'																							

ANALYSIS REQUEST
(Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 03/10/09 Time: 10:00
RECEIVED BY: (Signature) — Date: 3/11/09 Time: 10:00
SAMPLED BY: (Print & Initial) JT/RG — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:
TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 5.1

REMARKS: If total TPH exceeds 5000 mg/kg, run deeper horizons (HOLD FOR BTEX) All tests Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: March 19, 2009

Work Order: 9031110

Project Location: Eddy Co., NM
Project Name: COG/Electra TB
Project Number: 114-6400141

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
189777	AH-2 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189778	AH-2 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189781	AH-3 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189782	AH-3 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189785	AH-4 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189786	AH-4 1'-1.5' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11
189788	AH-5 0-1' 4 in. BEB	soil	2009-03-10	00:00	2009-03-11

	BTEX			
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)
189777 - AH-2 0-1' 4 in. BEB	**68.6**	**196**	**139**	**183**
189778 - AH-2 1'-1.5' 4 in. BEB	<0.0100	**0.123**	**0.129**	**0.370**
189781 - AH-3 0-1' 4 in. BEB	**29.0**	**104**	**85.2**	**121**
189782 - AH-3 1'-1.5' 4 in. BEB	<0.0100	<0.0100	**0.123**	**0.342**
189785 - AH-4 0-1' 4 in. BEB	**18.5**	**81.1**	**65.8**	**89.3**
189786 - AH-4 1'-1.5' 4 in. BEB	<0.0100	<0.0100	<0.0100	<0.0100
189788 - AH-5 0-1' 4 in. BEB	**0.294**	**2.02**	**3.09**	**4.58**