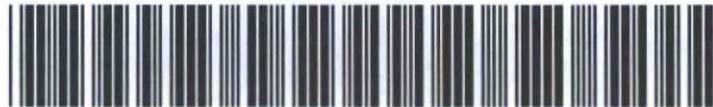




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0719237372

1RP - 1483

CHEVRON U S A INC



**CONESTOGA-ROVERS
& ASSOCIATES**

2135 S. Loop 250 West
Midland, Texas 79703
Telephone: (432) 686-0086 Fax: (432) 686-0186
<http://www.craworld.com>

March 18, 2011

Reference No. 073822

Mr. Geoffrey R. Leking
Environmental Engineer
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240

RECEIVED
MAR 22 2011
HOBBSDO

Re: Closure Request Workplans
Vacuum Grayburg San Andres Unit #250, API #30-025-38001
Central Vacuum Unit #47H, API #30-025-08532 (RP #1483)
Lea County, New Mexico

Dear Mr. Leking:

Conestoga-Rovers & Associates, Inc. (CRA), on behalf of Chevron Environmental Management Company (CEMC), is pleased to submit the closure request workplans for the two subject Sites and Remediation Plans (referenced above) as discussed in our meeting on January 11, 2011. Upon your review and concurrence, CEMC will proceed with described activities and submit a final C-141 for each subject location. CRA will provide the New Mexico Oil Conservation Division (NMOCD) a 48 hour notification prior to commencing field activities.

Should you have any questions regarding these requests, please feel free to give us a call at (432) 686-0086.

GW@801

Sincerely,
CONESTOGA-ROVERS & ASSOCIATES, INC.

James Ornelas
Project Manager

Thomas C. Larson, P.G.
Sr. Geologist/Operations Manager

Enclosures
Cc: Matt Hudson, CEMC, Houston, Texas
Marcos Silvestri AECOM, Houston, Texas

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SITE INFORMATION

Report Type: CLOSURE REQUEST

RP # NA

CRA Project # 073822

General Site Information:

Site:	Vacuum Grayburg San Andres Unit #250
Company:	Chevron Environmental Management Company
Well Location:	Section 1, T-18-S, R-34-E
Unit Letter:	Unit H
API #:	30-025-38001
Lease Number:	--
County:	Lea County
Surface Owner:	State of New Mexico
Mineral Owner:	
Directions:	From Hobbs, travel west along US Hwy 62/180 approx. 11 miles. Merge onto NM Hwy 529 and travel 2.5 miles to NM Hwy 238. Then travel North on NM Hwy 238 approx. 7.6 miles to CR 51 (Texas Camp Rd). Turn West on CR 51 and travel 0.5 miles to lease road. Then travel south along lease road 0.3 miles, then 0.1 miles east, then 0.1 miles north to Pit location

Release Data:

Spill GPS:	
Date Released:	
Source of Contamination:	Pit Location
Fluid Released:	
Fluids Recovered:	

Official Communication:

	Contact #1	Contact #2
Name:	Matt Hudson	Tom Larson
Company:	CEMC - Upstream Business Unit	CRA
Address:	1400 Smith Street Room 07062	2135 S Loop 250 West
P.O. Box:		
City:	Houston Texas 77002	Midland Texas 79703
Phone Number:	713-372-9207	432-686-0086
Fax Number:		432-686-0186
Email:	mhudson@croworld.com	tlarson@croworld.com

GW1001

Ranking Criteria:

Depth to Groundwater:	Ranking Score:	Site Data:
<50 ft.	20	
50-99 ft.	10	
>100 ft.	0	0
Wellhead Protection:		
	Ranking Score:	Site Data:
Water Source <1,000 ft., Private <200 ft.	20	20
Water Source >1,000 ft., Private >200 ft.	0	
Surface Body of Water:		
	Ranking Score:	Site Data:
<200 ft.	20	
200 ft. - 1,000 ft.	10	
>1,000 ft.	0	0
Total Ranking Score:		20

Acceptable Soil RRAL (mg/kg)			
Benzene	Total BTEX	TPH	Chlorides
10	50	100	250



**CONESTOGA-ROVERS
& ASSOCIATES**

2135 S. Loop 250 West
Midland, Texas 79705
Telephone: (432) 686-0086 Fax: (432) 686-0186
<http://www.craworld.com>

March 18, 2011

Reference No. 073822

RECEIVED

MAR 22 2011

HOBBS

Mr. Geoffrey R. Leking
ENVIRONMENTAL ENGINEER SPECIALIST
OIL CONSERVATION DIVISION - DISTRICT I
1625 N. French Drive
Hobbs, New Mexico 88240

**RE: Closure Request Workplan
Vacuum Grayburg San Andres Unit #250, API #30-025-38001
Unit Letter H, Section 1, T18S, R34E
Lea County, New Mexico**

Dear Mr. Leking:

The subject location is the Vacuum Grayburg San Andres Unit (VGSAU) #250 pit location (Site). The pit location is located in Unit Letter H, Section 1, Township 18 South, Range 34 East, Lea County, New Mexico. The approximate pit dimensions are 100' x 100' x 6' average depth. The Site coordinates are N 32.780556°, W 103.510052°. The Site location is shown on FIGURES 1 & 2.

BACKGROUND

On September 19, 2006, Chevron submitted an application to the New Mexico Oil Conservation Division (NMOCD) for approval to drill and inject fluids into VGSAU well #250. On October 23, 2006, NMOCD granted Chevron's request to drill and inject fluids into VGSAU well #250. Subsequent to completion of drilling activities, records indicate a pit closure (C-144) form (APPENDIX A) was submitted to NMOCD for review and approval in September 2007. In 2010, Chevron was contacted by the NMOCD District I office to close the pit associated with the installation of VGSAU well #250 following a Site inspection. As a result, an environmental Site consultant (Tetra Tech) was contracted by Chevron to assess the soils in the pit prior to closure. In December 2010, Chevron Environmental Management Company (CEMC) assumed the responsibilities of the pit closure activities at this subject location from Chevron. CEMC subcontracted Conestoga Rovers & Associates to manage pit closure activities. On January 11, 2011, CRA, CEMC, AECOM met at the New Mexico Oil Conservation Division (NMOCD) district I Hobbs office to discuss the subject property. Topics of discussions included objectives to close the pit as directed by the NMOCD Hobbs district office.

GROUNDWATER & REGULATORY

There are numerous water wells in the vicinity of VGSAU well #250. According the Petroleum Recovery Research Center (PRRC) database and the New Mexico Office of the State Engineer (NMOSE), the average depth to groundwater in the immediate area of VGSAU well #250 is approximately 106 feet below ground surface (bgs). A FIGURE depicting the average depths to groundwater, distance to surface water bodies and any wellheads is provided in APPENDIX B.

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Site assessment and remedial action activities will be completed in accordance to the New Mexico Oil Conservation Division's (NMOCD's) guidance document *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993. Section III of the guidance document provides three general characteristics (Depth to groundwater, Wellhead Protection Area, Distance to Nearest Surface Water Body) to "evaluate a Sites potential risk, the need for remedial action and if necessary, the level of cleanup required at the Site." Section IV provides ranking criteria for each Site-specific characteristic to determine their relative threat to public threat, fresh waters and the environment. The sum of each individual characteristic equals the total ranking score. The total ranking score determines the recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (BTEX) and total petroleum hydrocarbons (TPH) in soil. Based on average depth to groundwater (>100 feet below ground surface), Wellhead Protection (water source <1,000 feet & <200 feet private) and surface body of water (>1,000 feet) for the Site, the RRALs were determined to be 10 mg/kg for benzene, 50 mg/kg for BTEX, 100 mg/kg for TPH and 250 mg/kg for chlorides.

SITE INSPECTION AND SAMPLING

On two separate events (July 14 & August 19, 2010), a total of ten soil samples were collected at different intervals (0-1' & 1.5-2.5' respectively) from the bottom of the excavation. The soil samples were submitted to Trace Analysis for BTEX analysis by EPA Method 8021B, TPH analysis by EPA Method 8015M, and chlorides by SM 4500. Copies of the laboratory analysis and chain-of-custody documentation are included in APPENDIX C. The soil sample results are summarized in TABLE I. All ten samples were below the Site-specific RRALs for benzene, BTEX & TPH. The chloride concentrations were all below the reporting limit (<200 mg/kg).

At the request of the NMOCD during the January 11, 2011 meeting, CRA will collect another set of chloride samples in the same general vicinities to confirm concentrations are still below the clean up goal for chlorides. If chloride concentrations are below the cleanup goal (<250 mg/kg), the following activities described will be performed:

PROPOSED PIT RESTORATION ACTIVITIES

Upon concurrence of vertical delineation by the NMOCD, the following tasks will be completed:

- Backfill excavation with clean backfill material from 6 feet up to 4 feet to eliminate unsafe work conditions;
- Lay a 20 mil poly liner in excavated area, cover and compact area with heavy equipment and clean backfill and topsoil material;
- Rip and seed 'constructed affected' locations and plant seed with approved mixture and using procedures as designated by property owner;
- Submit a final C-144 to the NMOCD detailing completion of work activities.



**CONESTOGA-ROVERS
& ASSOCIATES**

March 18, 2011

3

Reference No. 073822

CRA will provide the New Mexico Oil Conservation Division (NMOCD) a 48 hour notification prior to commencing field activities. If you have any questions or comments with regards to this closure request, please do not hesitate to contact our Midland office at (432) 686-0086.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in blue ink, reading 'James Ornelas'.

James Ornelas
Senior Project Manager

A handwritten signature in blue ink, reading 'Thomas C. Larson'.

Thomas C. Larson
Operations Manager

Cc: Matt Hudson (CEMC-Houston)

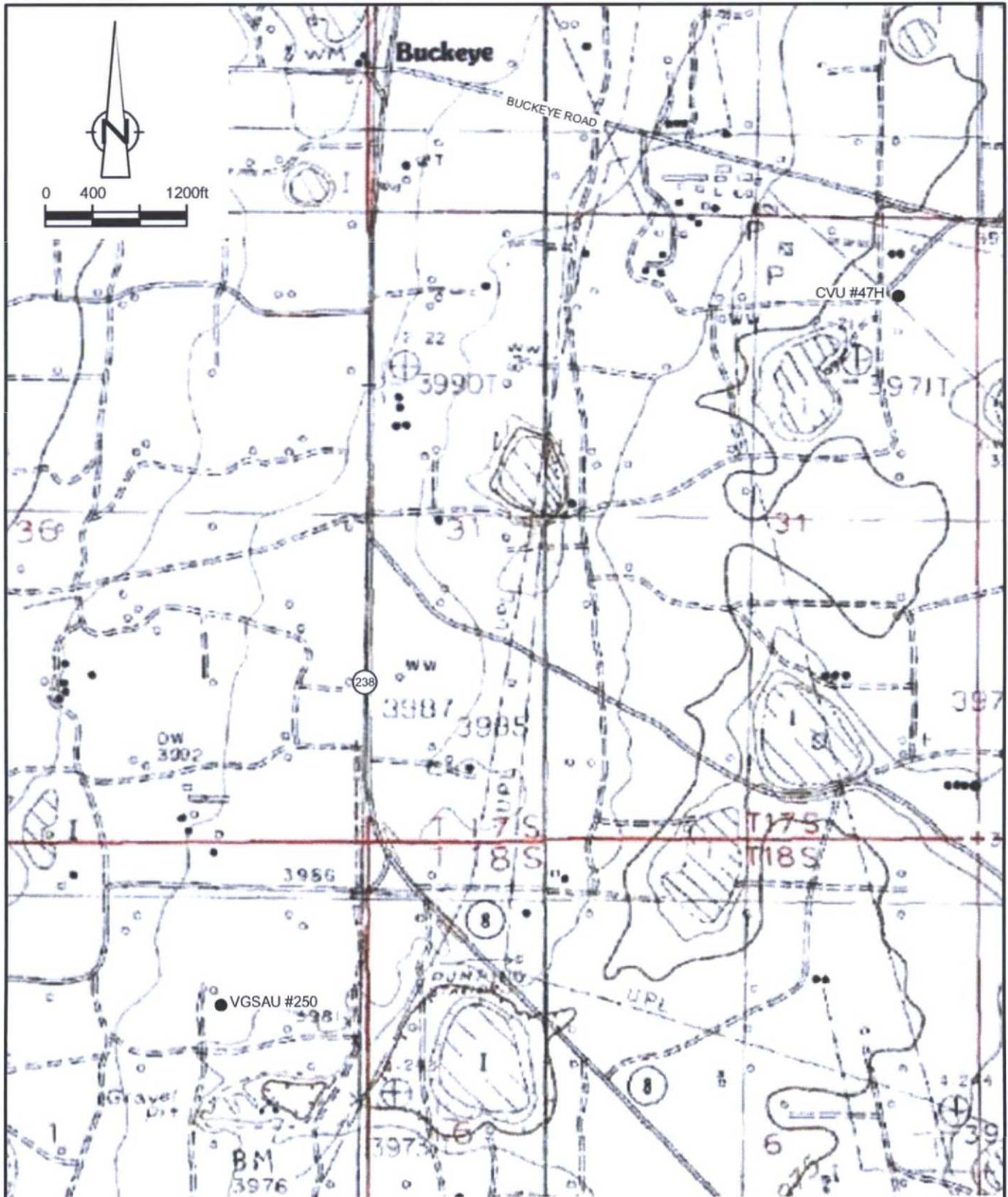
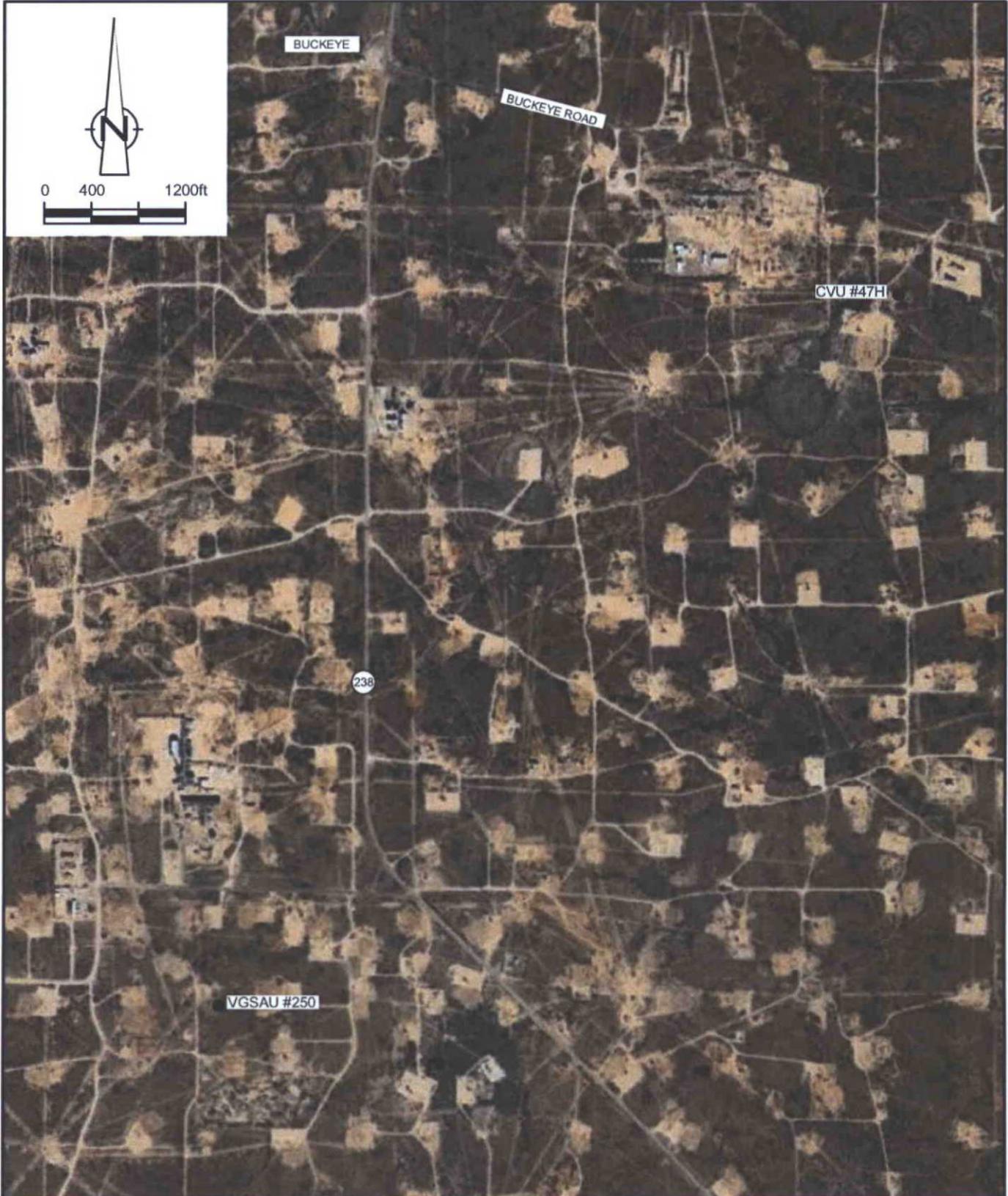


figure 1

SOURCE: USGS TOPOGRAPHIC MAP
 BUCKEYE 7.5 MINUTE QUADRANGLE
 VGSAU #250 32° 46' 49" N, 103° 30' 34" W

SITE VICINITY MAP
VACUUM GRAYBURG SAN ANDRES UNIT #250
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company





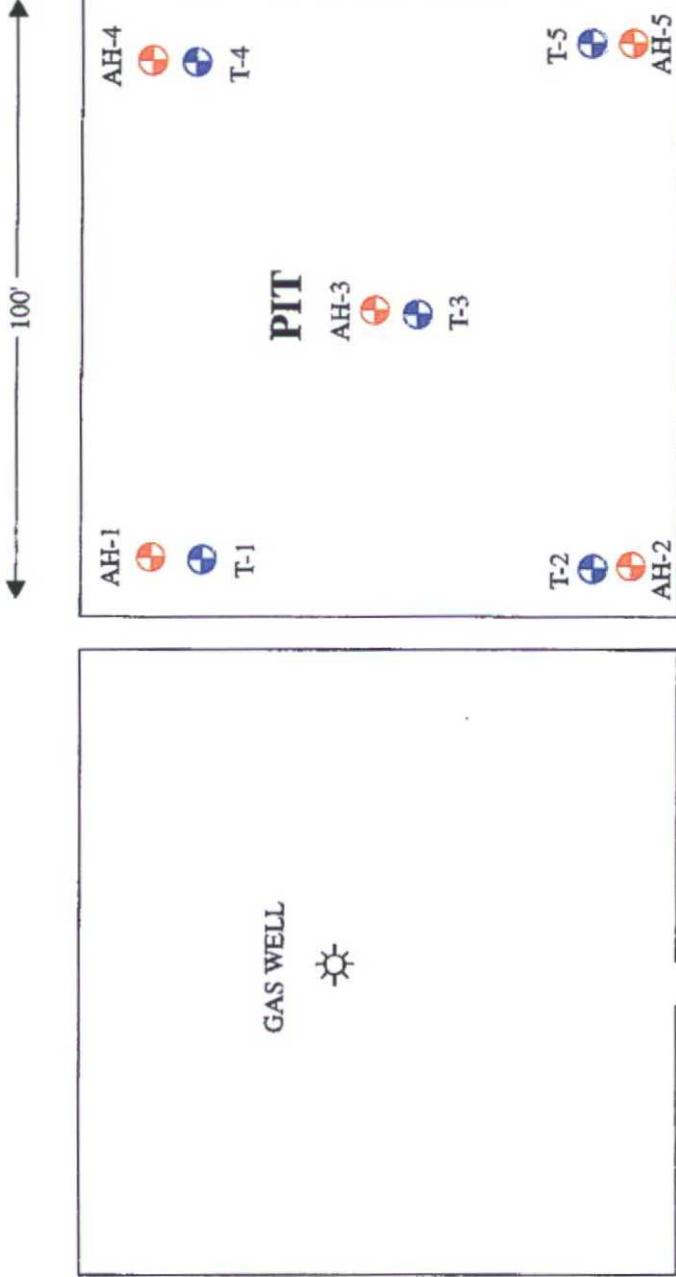
SOURCE: USGS TOPOGRAPHIC MAP
 BUCKEYE 7.5 MINUTE QUADRANGLE
 VGSAU #250 32° 46' 49" N, 103° 30' 34" W

figure 2

SITE LOCATION MAP
VACUUM GRAYBURG SAN ANDRES UNIT #250
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company



PASTURE



Flare

Seperator



NOT TO SCALE

	CHEVRON	
Figure 3		
Vacuum Grayberg San Andres Unit #250 Site Map		
CHEVRON Lea County, New Mexico		
Project : 114-6400800	Date : 10-5-2010	
File : H:\GIS\6400800\DWG		

<u>Explanation</u>	
	Gas Well
	Auger Hole Sample
	Sample Trench

TABLE I
 SOIL ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 VACUUM GRAYBURG SAN ANDRES UNIT #250 (PIT)
 LEA COUNTY, NEW MEXICO

Sample ID	Depth (feet)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (8015B Modified)			Chlorides (mg/kg)
								DRO (mg/kg)	GRO (mg/kg)	(GRO/DRO) (mg/kg)	
NMOCD Recommended Remediation Action Levels (Total Ranking Score = 10)											
			10 mg/kg	-- mg/kg	-- mg/kg	-- mg/kg	50 mg/kg	-- mg/kg	-- mg/kg	100 mg/kg	-- mg/kg
AH-1	0-1'	7/14/10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00	<50.0	<200
T-1	1.5-2'	8/19/10	NA	NA	NA	NA	NA	NA	NA	NA	<200
AH-2	0-1'	7/14/10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00	<50.0	<200
T-2	1.5-2'	8/19/10	NA	NA	NA	NA	NA	NA	NA	NA	<200
AH-3	0-1'	7/14/10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00	<50.0	<200
T-3	1.5-2'	8/19/10	NA	NA	NA	NA	NA	NA	NA	NA	<200
AH-4	0-1'	7/14/10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00	<50.0	<200
T-4	2-2.5'	8/19/10	NA	NA	NA	NA	NA	NA	NA	NA	<200
AH-5	0-1'	7/14/10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00	<50.0	<200
T-5	1.5-2'	8/19/10	NA	NA	NA	NA	NA	NA	NA	NA	<200

Notes:

1. BTEX analyses by EPA Method 8021B.
2. TPH analyzed by EPA Method 8015B Mod.
3. Chlorides analyzed by SM 4500-Cl B
4. NA - Not Analyzed
5. Bold concentrations above lab reporting limits.
6. Highlighted cells indicated concentrations above regulatory limits

APPENDICES

APPENDIX A

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-144
June 1, 2004
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No
Type of action Registration of a pit or below-grade tank Closure of a pit or below-grade tank

Operator CHEVRON USA Telephone: 505-390-7225 e-mail address lduk@chevron.com
Address P O BOX 1949 2401 AVE O EUNICE, NM 88231
Facility or well name: VGSAU #250 API # 30-025-38001 U/L or Qtr/Qtr H Sec 01 T 18S R 34E
County LEA Latitude _____ Longitude _____ NAD 1927 1983
Surface Owner Federal State Private Indian

Pit Type Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type Synthetic <input checked="" type="checkbox"/> Thickness <u>20</u> mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume _____ bbl Type of fluid _____ Construction material _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____
---	--

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	<u>100 feet or more</u>	(0 points) X
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes	(20 points)
	<u>No</u>	(0 points) X
Distance to surface water. (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	<u>1000 feet or more</u>	(0 points) X
Ranking Score (Total Points)		0

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location (check the onsite box if you are burying in place) onsite offsite If offsite, name of facility CRI (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No Yes If yes, show depth below ground surface _____ ft and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments: HAUL TRACKHOE TO LOCATION, HAUL EXCESS WATER AND FLUIDS OFF, BEGIN MIXING CLEAN-UP TO SOLIDIFY FOR HAUL OFF TO CRI, TEST PIT AREA, ONCE TESTED AND PASSED, COVER AREA WITH TOPSOIL AND RETURN IT TO NATURAL GROUND

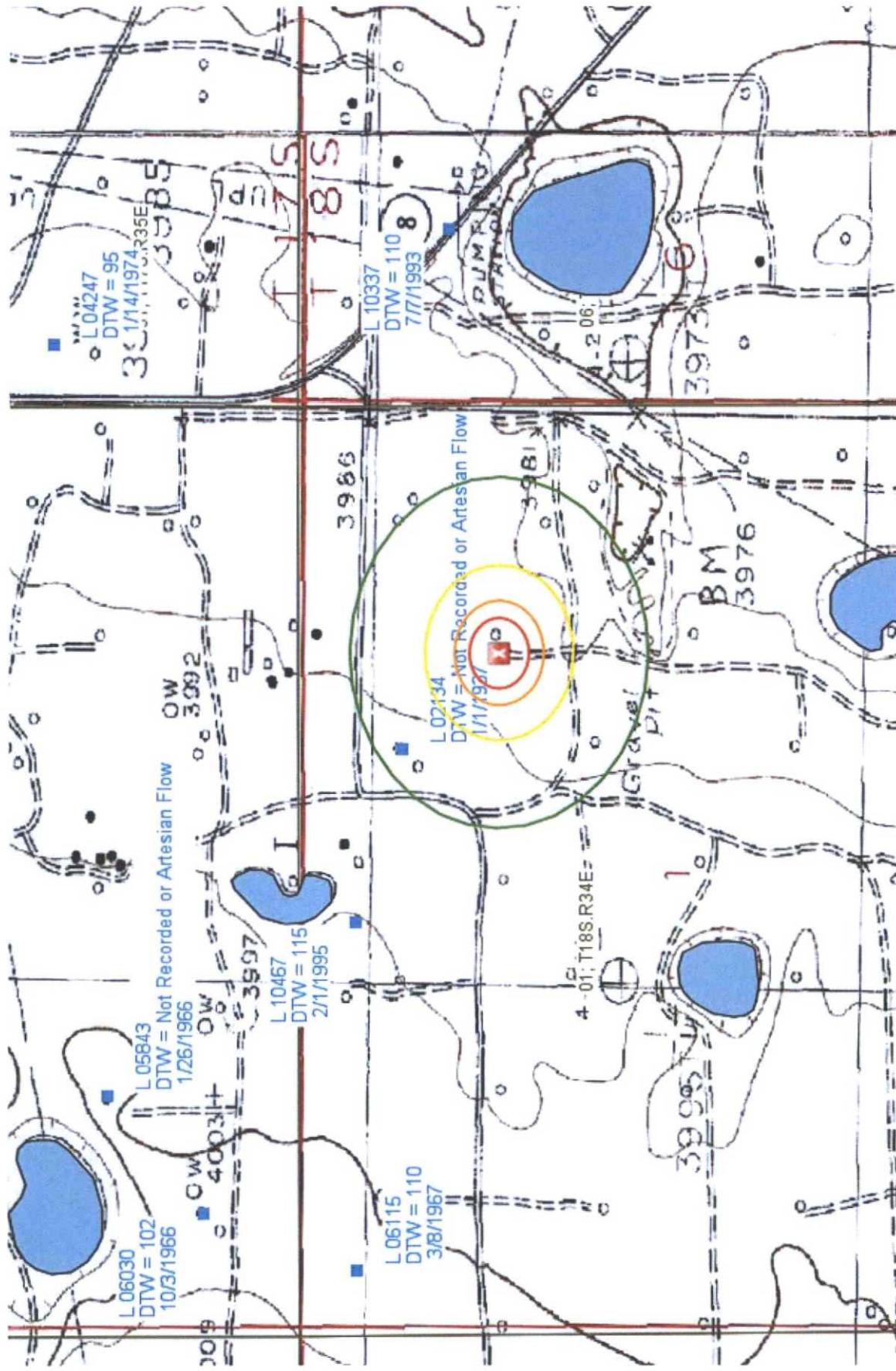
I hereby certify that the information above is true and complete to the best of my knowledge and belief I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Date 9/10/07
Printed Name/Title Jim Duke / Construction Rep Signature [Signature]

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval
Printed Name/Title L JOHNSON - ENVIRO ENGR Signature [Signature] Date 9-11-07

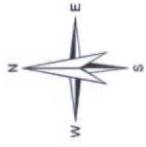
APPENDIX B



Petroleum Recovery
Research Center

VGSAU #250 PIT

Figure: 1



Jan 05, 2011

APPENDIX C

Summary Report

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

Report Date: July 21, 2010

Work Order: 10071924



Project Location: Lea County, NM
Project Name: Vacuum Grayburg San Andres Unit #250 (Pit)
Project Number: 114-6400600

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238035	AH-1 0-1'	soil	2010-07-14	00:00	2010-07-19
238036	AH-2 0-1'	soil	2010-07-14	00:00	2010-07-19
238037	AH-3 0-1'	soil	2010-07-14	00:00	2010-07-19
238038	AH-4 0-1'	soil	2010-07-14	00:00	2010-07-19
238039	AH-5 0-1'	soil	2010-07-14	00:00	2010-07-19

Sample - Field Code	BTEX				TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)		
238035 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238036 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238037 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238038 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
238039 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 238035 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238036 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238037 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238038 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 238039 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 886•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 **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

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

Report Date: July 21, 2010

Work Order: 10071924



Project Location: Lea County, NM
 Project Name: Vacuum Grayburg San Andres Unit #250 (Pit)
 Project Number: 114-6400600

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
238035	AH-1 0-1'	soil	2010-07-14	00:00	2010-07-19
238036	AH-2 0-1'	soil	2010-07-14	00:00	2010-07-19
238037	AH-3 0-1'	soil	2010-07-14	00:00	2010-07-19
238038	AH-4 0-1'	soil	2010-07-14	00:00	2010-07-19
238039	AH-5 0-1'	soil	2010-07-14	00:00	2010-07-19

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 23 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project Vacuum Grayburg San Andres Unit #250 (Pit) were received by TraceAnalysis, Inc. on 2010-07-19 and assigned to work order 10071924. Samples for work order 10071924 were received intact at a temperature of 3.3 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	61608	2010-07-19 at 16:00	71924	2010-07-20 at 11:02
BTEX	S 8021B	61608	2010-07-19 at 16:00	71949	2010-07-21 at 05:06
Chloride (Titration)	SM 4500-Cl B	61621	2010-07-20 at 08:52	71897	2010-07-20 at 11:57
TPH DRO - NEW	S 8015 D	61592	2010-07-19 at 14:30	71873	2010-07-19 at 14:30
TPH DRO - NEW	S 8015 D	61593	2010-07-19 at 14:30	71874	2010-07-19 at 14:30
TPH GRO	S 8015 D	61608	2010-07-19 at 16:00	71925	2010-07-20 at 11:29
TPH GRO	S 8015 D	61608	2010-07-19 at 16:00	71950	2010-07-21 at 05:34

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 10071924 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: 238035 - AH-1 0-1'

Laboratory: Midland
Analysis: BTEX
QC Batch: 71924
Prep Batch: 61608

Analytical Method: S 8021B
Date Analyzed: 2010-07-20
Sample Preparation: 2010-07-19

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.61	mg/Kg	1	2.00	80	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.61	mg/Kg	1	2.00	80	38.4 - 157

Sample: 238035 - AH-1 0-1'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 71897
Prep Batch: 61621

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-07-20
Sample Preparation: 2010-07-20

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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

Sample: 238035 - AH-1 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 71873
Prep Batch: 61592

Analytical Method: S 8015 D
Date Analyzed: 2010-07-19
Sample Preparation: 2010-07-19

Prep Method: N/A
Analyzed By: kg
Prepared By: kg

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-Tricosane		96.6	mg/Kg	1	100	97	70 - 130

Sample: 238035 - AH-1 0-1'

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
 QC Batch: 71925 Date Analyzed: 2010-07-20 Analyzed By: AG
 Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.87	mg/Kg	1	2.00	94	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.77	mg/Kg	1	2.00	88	42 - 159

Sample: 238036 - AH-2 0-1'

Laboratory: Midland
 Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 71924 Date Analyzed: 2010-07-20 Analyzed By: AG
 Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.40	mg/Kg	1	2.00	70	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.40	mg/Kg	1	2.00	70	38.4 - 157

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Sample: 238036 - AH-2 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 71897 Date Analyzed: 2010-07-20 Analyzed By: AR
Prep Batch: 61621 Sample Preparation: 2010-07-20 Prepared By: AR

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

Sample: 238036 - AH-2 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61592 Sample Preparation: 2010-07-19 Prepared By: kg

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-Tricosane		103	mg/Kg	1	100	103	70 - 130

Sample: 238036 - AH-2 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
QC Batch: 71925 Date Analyzed: 2010-07-20 Analyzed By: AG
Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.65	mg/Kg	1	2.00	82	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.55	mg/Kg	1	2.00	78	42 - 159

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Sample: 238037 - AH-3 0-1'

Laboratory: Midland
Analysis: BTEX
QC Batch: 71924
Prep Batch: 61608

Analytical Method: S 8021B
Date Analyzed: 2010-07-20
Sample Preparation: 2010-07-19

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.62	mg/Kg	1	2.00	81	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	1	2.00	82	38.4 - 157

Sample: 238037 - AH-3 0-1'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 71897
Prep Batch: 61621

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-07-20
Sample Preparation: 2010-07-20

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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

Sample: 238037 - AH-3 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 71873
Prep Batch: 61592

Analytical Method: S 8015 D
Date Analyzed: 2010-07-19
Sample Preparation: 2010-07-19

Prep Method: N/A
Analyzed By: kg
Prepared By: kg

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-Tricosane		100	mg/Kg	1	100	100	70 - 130

Sample: 238037 - AH-3 0-1'

Laboratory: Midland	Analytical Method: S 8015 D	Prep Method: S 5035
Analysis: TPH GRO	Date Analyzed: 2010-07-20	Analyzed By: AG
QC Batch: 71925	Sample Preparation: 2010-07-19	Prepared By: AG
Prep Batch: 61608		

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/Kg	1	2.00	95	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	42 - 159

Sample: 238038 - AH-4 0-1'

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5035
Analysis: BTEX	Date Analyzed: 2010-07-21	Analyzed By: AG
QC Batch: 71949	Sample Preparation: 2010-07-19	Prepared By: AG
Prep Batch: 61608		

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	2.00	55	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	1	2.00	56	38.4 - 157

Sample: 238038 - AH-4 0-1'

Laboratory: Midland	Analytical Method: SM 4500-C1 B	Prep Method: N/A
Analysis: Chloride (Titration)	Date Analyzed: 2010-07-20	Analyzed By: AR
QC Batch: 71897	Sample Preparation: 2010-07-20	Prepared By: AR
Prep Batch: 61621		

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

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Sample: 238038 - AH-4 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61593 Sample Preparation: 2010-07-19 Prepared By: kg

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-Tricosane		94.2	mg/Kg	1	100	94	70 - 130

Sample: 238038 - AH-4 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
QC Batch: 71950 Date Analyzed: 2010-07-21 Analyzed By: AG
Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.29	mg/Kg	1	2.00	64	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.23	mg/Kg	1	2.00	62	42 - 159

Sample: 238039 - AH-5 0-1'

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 71949 Date Analyzed: 2010-07-21 Analyzed By: AG
Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.75	mg/Kg	1	2.00	88	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.75	mg/Kg	1	2.00	88	38.4 - 157

Sample: 238039 - AH-5 0-1'

Laboratory: Midland
 Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 71897 Date Analyzed: 2010-07-20 Analyzed By: AR
 Prep Batch: 61621 Sample Preparation: 2010-07-20 Prepared By: AR

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

Sample: 238039 - AH-5 0-1'

Laboratory: Midland
 Analysis: TPH DRO - NEW Analytical Method: S 8015 D Prep Method: N/A
 QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg
 Prep Batch: 61593 Sample Preparation: 2010-07-19 Prepared By: kg

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-Tricosane		96.6	mg/Kg	1	100	97	70 - 130

Sample: 238039 - AH-5 0-1'

Laboratory: Midland
 Analysis: TPH GRO Analytical Method: S 8015 D Prep Method: S 5035
 QC Batch: 71950 Date Analyzed: 2010-07-21 Analyzed By: AG
 Prep Batch: 61608 Sample Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.06	mg/Kg	1	2.00	103	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	42 - 159

Method Blank (1) QC Batch: 71873

QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61592 QC Preparation: 2010-07-19 Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<14.5	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		103	mg/Kg	1	100	103	70 - 130

Method Blank (1) QC Batch: 71874

QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61593 QC Preparation: 2010-07-19 Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<14.5	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		87.4	mg/Kg	1	100	87	70 - 130

Method Blank (1) QC Batch: 71897

QC Batch: 71897 Date Analyzed: 2010-07-20 Analyzed By: AR
Prep Batch: 61621 QC Preparation: 2010-07-20 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

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Method Blank (1) QC Batch: 71924

QC Batch: 71924
Prep Batch: 61608

Date Analyzed: 2010-07-20
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0150	mg/Kg	0.02
Toluene		<0.00950	mg/Kg	0.02
Ethylbenzene		<0.0106	mg/Kg	0.02
Xylene		<0.00930	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.19	mg/Kg	1	2.00	110	66.6 - 122
4-Bromofluorobenzene (4-BFB)		2.18	mg/Kg	1	2.00	109	55.4 - 132

Method Blank (1) QC Batch: 71925

QC Batch: 71925
Prep Batch: 61608

Date Analyzed: 2010-07-20
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<1.65	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.63	mg/Kg	1	2.00	132	67.6 - 150
4-Bromofluorobenzene (4-BFB)		2.41	mg/Kg	1	2.00	120	52.4 - 130

Method Blank (1) QC Batch: 71949

QC Batch: 71949
Prep Batch: 61608

Date Analyzed: 2010-07-21
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0150	mg/Kg	0.02
Toluene		<0.00950	mg/Kg	0.02
Ethylbenzene		<0.0106	mg/Kg	0.02
Xylene		<0.00930	mg/Kg	0.02

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	1	2.00	100	66.6 - 122
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	55.4 - 132

Method Blank (1) QC Batch: 71950

QC Batch: 71950 Date Analyzed: 2010-07-21 Analyzed By: AG
Prep Batch: 61608 QC Preparation: 2010-07-19 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<1.65	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.44	mg/Kg	1	2.00	122	67.6 - 150
4-Bromofluorobenzene (4-BFB)		2.16	mg/Kg	1	2.00	108	52.4 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61592 QC Preparation: 2010-07-19 Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	256	mg/Kg	1	250	<14.5	102	57.4 - 133.4

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	251	mg/Kg	1	250	<14.5	100	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	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
n-Tricosane	111	114	mg/Kg	1	100	111	114	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61593 QC Preparation: 2010-07-19 Prepared By: kg

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.03	mg/Kg	1	2.00	<0.0150	102	81.9 - 108	2	20
Toluene	2.07	mg/Kg	1	2.00	<0.00950	104	81.9 - 107	2	20
Ethylbenzene	2.04	mg/Kg	1	2.00	<0.0106	102	78.4 - 107	2	20
Xylene	6.21	mg/Kg	1	6.00	<0.00930	104	79.1 - 107	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
Trifluorotoluene (TFT)	2.09	2.04	mg/Kg	1	2.00	104	102	70.2 - 114
4-Bromofluorobenzene (4-BFB)	2.15	2.09	mg/Kg	1	2.00	108	104	69.8 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 71925
Prep Batch: 61608

Date Analyzed: 2010-07-20
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	15.7	mg/Kg	1	20.0	<1.65	78	69.9 - 95.4

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
GRO	16.6	mg/Kg	1	20.0	<1.65	83	69.9 - 95.4	6	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)	2.68	2.68	mg/Kg	1	2.00	134	134	61.9 - 142
4-Bromofluorobenzene (4-BFB)	2.53	2.55	mg/Kg	1	2.00	126	128	68.2 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 71949
Prep Batch: 61608

Date Analyzed: 2010-07-21
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.02	mg/Kg	1	2.00	<0.0150	101	81.9 - 108
Toluene	2.04	mg/Kg	1	2.00	<0.00950	102	81.9 - 107
Ethylbenzene	2.00	mg/Kg	1	2.00	<0.0106	100	78.4 - 107
Xylene	6.08	mg/Kg	1	6.00	<0.00930	101	79.1 - 107

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
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.95	mg/Kg	1	2.00	<0.0150	98	81.9 - 108	4	20
Toluene	1.96	mg/Kg	1	2.00	<0.00950	98	81.9 - 107	4	20
Ethylbenzene	1.93	mg/Kg	1	2.00	<0.0106	96	78.4 - 107	4	20
Xylene	5.87	mg/Kg	1	6.00	<0.00930	98	79.1 - 107	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)	1.92	1.96	mg/Kg	1	2.00	96	98	70.2 - 114
4-Bromofluorobenzene (4-BFB)	1.96	2.01	mg/Kg	1	2.00	98	100	69.8 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 71950
Prep Batch: 61608

Date Analyzed: 2010-07-21
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	14.2	mg/Kg	1	20.0	<1.65	71	69.9 - 95.4

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
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	14.6	mg/Kg	1	20.0	<1.65	73	69.9 - 95.4	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
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.24	2.30	mg/Kg	1	2.00	112	115	61.9 - 142
4-Bromofluorobenzene (4-BFB)	2.08	2.16	mg/Kg	1	2.00	104	108	68.2 - 132

Matrix Spike (MS-1) Spiked Sample: 238025

QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61592 QC Preparation: 2010-07-19 Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	241	mg/Kg	1	250	<14.5	96	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	242	mg/Kg	1	250	<14.5	97	35.2 - 167.1	0	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-Tricosane	101	106	mg/Kg	1	100	101	106	70 - 130

Matrix Spike (MS-1) Spiked Sample: 238039

QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg
Prep Batch: 61593 QC Preparation: 2010-07-19 Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	235	mg/Kg	1	250	<14.5	94	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	225	mg/Kg	1	250	<14.5	90	35.2 - 167.1	4	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-Tricosane	102	97.3	mg/Kg	1	100	102	97	70 - 130

Matrix Spike (MS-1) Spiked Sample: 238039

QC Batch: 71897 Date Analyzed: 2010-07-20 Analyzed By: AR
Prep Batch: 61621 QC Preparation: 2010-07-20 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10000	mg/Kg	100	10000	<218	100	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	10200	mg/Kg	100	10000	<218	102	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: 238026

QC Batch: 71924
Prep Batch: 61608

Date Analyzed: 2010-07-20
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.94	mg/Kg	1	2.00	<0.0150	97	80.5 - 112
Toluene	2.01	mg/Kg	1	2.00	<0.00950	100	82.4 - 113
Ethylbenzene	2.06	mg/Kg	1	2.00	<0.0106	103	83.9 - 114
Xylene	6.25	mg/Kg	1	6.00	<0.00930	104	84 - 114

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
Benzene	¹ 2.31	mg/Kg	1	2.00	<0.0150	116	80.5 - 112	17	20
Toluene	² 2.37	mg/Kg	1	2.00	<0.00950	118	82.4 - 113	16	20
Ethylbenzene	³ 2.45	mg/Kg	1	2.00	<0.0106	122	83.9 - 114	17	20
Xylene	⁴ 7.38	mg/Kg	1	6.00	<0.00930	123	84 - 114	17	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)	1.61	1.74	mg/Kg	1	2	80	87	41.3 - 117
4-Bromofluorobenzene (4-BFB)	1.67	1.82	mg/Kg	1	2	84	91	35.5 - 129

Matrix Spike (MS-1) Spiked Sample: 238037

QC Batch: 71925
Prep Batch: 61608

Date Analyzed: 2010-07-20
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

¹MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

²MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

³MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

⁴MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	15.2	mg/Kg	1	20.0	<1.65	76	61.8 - 114

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	16.2	mg/Kg	1	20.0	<1.65	81	61.8 - 114	6	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)	1.55	2.31	mg/Kg	1	2	78	116	50 - 162
4-Bromofluorobenzene (4-BFB)	1.58	2.30	mg/Kg	1	2	79	115	50 - 162

Matrix Spike (MS-1) Spiked Sample: 238038

QC Batch: 71949
Prep Batch: 61608

Date Analyzed: 2010-07-21
QC Preparation: 2010-07-19

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.16	mg/Kg	1	2.00	<0.0150	108	80.5 - 112
Toluene	2.23	mg/Kg	1	2.00	<0.00950	112	82.4 - 113
Ethylbenzene	2.28	mg/Kg	1	2.00	<0.0106	114	83.9 - 114
Xylene	⁵ 6.91	mg/Kg	1	6.00	<0.00930	115	84 - 114

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
Benzene	2.21	mg/Kg	1	2.00	<0.0150	110	80.5 - 112	2	20
Toluene	⁶ 2.28	mg/Kg	1	2.00	<0.00950	114	82.4 - 113	2	20
Ethylbenzene	⁷ 2.32	mg/Kg	1	2.00	<0.0106	116	83.9 - 114	2	20
Xylene	⁸ 7.03	mg/Kg	1	6.00	<0.00930	117	84 - 114	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)	1.70	1.17	mg/Kg	1	2	85	58	41.3 - 117
4-Bromofluorobenzene (4-BFB)	1.73	1.19	mg/Kg	1	2	86	60	35.5 - 129

⁵Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

⁶MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

⁷MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

⁸MSD analyte out of range. MS/MSD has a RPD within limits. Therefore, MS shows extraction occurred properly.

Matrix Spike (MS-1) Spiked Sample: 238039

QC Batch: 71950 Date Analyzed: 2010-07-21 Analyzed By: AG
Prep Batch: 61608 QC Preparation: 2010-07-19 Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	14.7	mg/Kg	1	20.0	<1.65	74	61.8 - 114

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	15.4	mg/Kg	1	20.0	<1.65	77	61.8 - 114	5	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)	2.12	2.32	mg/Kg	1	2	106	116	50 - 162
4-Bromofluorobenzene (4-BFB)	2.12	2.32	mg/Kg	1	2	106	116	50 - 162

Standard (CCV-3)

QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	265	106	80 - 120	2010-07-19

Standard (CCV-4)

QC Batch: 71873 Date Analyzed: 2010-07-19 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	80 - 120	2010-07-19

Standard (CCV-1)

QC Batch: 71874 Date Analyzed: 2010-07-19 Analyzed By: kg

Standard (CCV-3)

QC Batch: 71924 Date Analyzed: 2010-07-20 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0972	97	80 - 120	2010-07-20
Toluene		mg/Kg	0.100	0.0979	98	80 - 120	2010-07-20
Ethylbenzene		mg/Kg	0.100	0.0954	95	80 - 120	2010-07-20
Xylene		mg/Kg	0.300	0.290	97	80 - 120	2010-07-20

Standard (CCV-2)

QC Batch: 71925 Date Analyzed: 2010-07-20 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.992	99	80 - 120	2010-07-20

Standard (CCV-3)

QC Batch: 71925 Date Analyzed: 2010-07-20 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.978	98	80 - 120	2010-07-20

Standard (CCV-1)

QC Batch: 71949 Date Analyzed: 2010-07-21 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0972	97	80 - 120	2010-07-21
Toluene		mg/Kg	0.100	0.0984	98	80 - 120	2010-07-21
Ethylbenzene		mg/Kg	0.100	0.0957	96	80 - 120	2010-07-21
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2010-07-21

Standard (CCV-2)

QC Batch: 71949 Date Analyzed: 2010-07-21 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0979	98	80 - 120	2010-07-21
Toluene		mg/Kg	0.100	0.0989	99	80 - 120	2010-07-21
Ethylbenzene		mg/Kg	0.100	0.0964	96	80 - 120	2010-07-21
Xylene		mg/Kg	0.300	0.293	98	80 - 120	2010-07-21

Standard (CCV-1)

QC Batch: 71950

Date Analyzed: 2010-07-21

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.956	96	80 - 120	2010-07-21

Standard (CCV-2)

QC Batch: 71950

Date Analyzed: 2010-07-21

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.957	96	80 - 120	2010-07-21

Summary Report

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

Report Date: August 30, 2010

Work Order: 10082304



Project Location: Lea County, NM
 Project Name: Chevron/Vacuum Grayburg San Andres Unit #250 (Pit)
 Project Number: 114-6400600

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
242080	T-1 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242081	T-2 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242082	T-3 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242083	T-4 2-2.5'	soil	2010-08-19	00:00	2010-08-20
242084	T-5 1.5-2'	soil	2010-08-19	00:00	2010-08-20

Sample: 242080 - T-1 1.5-2'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242081 - T-2 1.5-2'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242082 - T-3 1.5-2'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242083 - T-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 242084 - T-5 1.5-2'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 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
NCTRCA WFWB38444Y0909

DBE: VN 20657

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

Report Date: August 30, 2010

Work Order: 10082304



Project Location: Lea County, NM
Project Name: Chevron/Vacuum Grayburg San Andres Unit #250 (Pit)
Project Number: 114-6400600

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
242080	T-1 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242081	T-2 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242082	T-3 1.5-2'	soil	2010-08-19	00:00	2010-08-20
242083	T-4 2-2.5'	soil	2010-08-19	00:00	2010-08-20
242084	T-5 1.5-2'	soil	2010-08-19	00:00	2010-08-20

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project Chevron/Vacuum Grayburg San Andres Unit #250 (Pit) were received by TraceAnalysis, Inc. on 2010-08-20 and assigned to work order 10082304. Samples for work order 10082304 were received intact at a temperature of 4.0 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	62585	2010-08-26 at 09:38	73008	2010-08-27 at 15:06

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 10082304 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: 242080 - T-1 1.5-2'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62585 Sample Preparation: 2010-08-26 Prepared By: AR

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

Sample: 242081 - T-2 1.5-2'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62585 Sample Preparation: 2010-08-26 Prepared By: AR

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

Sample: 242082 - T-3 1.5-2'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62585 Sample Preparation: 2010-08-26 Prepared By: AR

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

Sample: 242083 - T-4 2-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62585 Sample Preparation: 2010-08-26 Prepared By: AR

continued ...

sample 242083 continued ...

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

Sample: 242084 - T-5 1.5-2'

Laboratory: Midland
 Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
 Prep Batch: 62585 Sample Preparation: 2010-08-26 Prepared By: AR

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

Method Blank (1) QC Batch: 73008

QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
 Prep Batch: 62585 QC Preparation: 2010-08-26 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Laboratory Control Spike (LCS-1)

QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
 Prep Batch: 62585 QC Preparation: 2010-08-26 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.7	mg/Kg	1	100	<2.18	99	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. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<2.18	102	85 - 115	3

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

Matrix Spike (MS-1) Spiked Sample: 242084

QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR
Prep Batch: 62585 QC Preparation: 2010-08-26 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9840	mg/Kg	100	10000	<218	97	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	10200	mg/Kg	100	10000	<218	100	85 - 115	4	20

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

Standard (ICV-1)

QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-08-27

Standard (CCV-1)

QC Batch: 73008 Date Analyzed: 2010-08-27 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.4	99	85 - 115	2010-08-27

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:
Chevron

SITE MANAGER:
Ike Tavaraz

PROJECT NO.:
114-6100600

PROJECT NAME:
**Chevron Vacuum Greysberg San Andres Unit #250
La Co, NM**

PRESERVATIVE METHOD	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD			
			HCL	HNO3	ICE	NONE

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMR	GRAB	SAMPLE IDENTIFICATION
242080	8/19		S	X		T-1 1.5'-2'
081						T-2 1.5'-2'
082						T-3 1.5'-2'
083						T-4 2'-2.5'
084						T-5 1.5'-2'

RELINQUISHED BY: (Signature)	Date: 8/20/10	Time: 1545	RECEIVED BY: (Signature)	Date: 8/20/10	Time: 1545
RELINQUISHED BY: (Signature)	Date: _____	Time: _____	RECEIVED BY: (Signature)	Date: _____	Time: _____
RELINQUISHED BY: (Signature)	Date: _____	Time: _____	RECEIVED BY: (Signature)	Date: _____	Time: _____
RECEIVING LABORATORY:	City: Midland	State: TX	Phone: _____	Date: _____	Time: _____

REMARKS:
4.0°C intact

RECEIVED BY: (Signature) **Ike Tavaraz**

PAGE: _____ OF: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

PAH 8270	
TCRA Metals Ag As Ba Cd Cr Pb Hg Se	
TCPL Metals Ag As Ba Cd Vr Pd Hg Se	
TCPL Volatiles	
TCPL Semi Volatiles	
HCl	
GC/MS Vol. 8240/8260/824	
GC/MS Semi. Vol. 8270/825	
PCB's 8080/608	
Part. 808/608	
Chloride	X
Gamma Spec.	
Alpha Beta (Air)	
PLM (Asbestos)	
Major Anions/Cations, pH, TDS	

SAMPLED BY: (Print & Initial) **JL**

Date: **8/19**

Time: _____

APRILL #: _____

OTHER: _____

RESULTS BY: **Ike Tavaraz**

RUSH Charges Authorized: Yes No