TETRA TECH

June 14, 2010

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

Re: Assessment Report and Work Plan for the Stephens & Johnson Operating Company, Mobil 22 Federal No. 6, Unit K, Section 22, Township 26 South, Range 29 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech Inc. (Tetra Tech) was contacted by Stephens & Johnson Operating Company, (Stephens & Johnson) to assess a release of oil/produced water which occurred at the Mobil 22 Federal No. 6, located in Unit K, Section 22, Township 26 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.02667°, W 103.97310°. 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 October 14, 2009. Approximately 2 barrels of oil/produced water was released from a leak at the stuffing box. The stuffing box packing was replaced to curtail further leakage. Of the 2 barrels released, no fluids were recovered. The initial C-141 is enclosed in Appendix A.

Hydrology

According to *The New Mexico Office of the State Engineer Well Reports*, one water well is located within the same Section as the site. The listed well, located in Section 22, has an average reported depth of 57 feet below ground surface (bgs). In addition, the New Mexico Oil Conservation Division (NMOCD) Depth to Groundwater Map for Eddy County, New Mexico, shows one water well located within the section which contains the site. According to the map, the listed well has an average reported depth of 69 feet bgs. No additional water wells were located within the Section. The well reports are shown in Appendix B.

According to the *Geology and Groundwater Resources of Eddy County, New Mexico (Report 3)*, the Rustler and Castile formations (Ochoa Series) are present west and east of the Pecos River. The Rustler and Castile formations consist of anhydrite, gypsum, interbedded sandy clay and beds of dolomite. Groundwater from the Castile and Rustler formations west of the Pecos River is historically high in chloride and sulfate concentrations which increase towards the river. The site is located on the eastern edge of the Rustler formation.

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, 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 1,000 mg/kg.

Soil Assessment and Results

On November 10, 2009, Tetra Tech personnel inspected the site and installed a total of three (3) auger holes (AH-1 to AH-3) to assess the spill area. The spill area is shown on the attached Figure 3. The auger holes were advanced to depths which measured approximately 1.0 foot to 1.5 feet bgs. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1.

Referring to Table 1, all of the samples analyzed for TPH were below the RRAL, with the exception of AH-1 at 0-1 which had results of 3,607 mg/kg. All BTEX samples were below their respective RRAL. Chloride concentrations were elevated in auger holes AH-1 through AH-3 ranging from 2,240 mg/kg in AH-1 at 1-1.5 feet to 12,600 mg/kg in AH-2 at 0-1 feet.

In order to further delineate the chloride concentrations at the site, Tetra Tech personnel were onsite February 2, 2010, to install 2 backhoe trenches (T-1 and T-2). The trenches were placed adjacent to and named in accordance with the auger holes. Each of the trenches was extended from 10 to 12 feet bgs and samples were collected and submitted for analysis of chlorides. Referring to Table 2, the chlorides remained elevated in the two trenches. However, the chloride concentrations did decrease in both trenches with depth.

In order to determine background chloride concentration at the site, Tetra Tech personnel were onsite April 12, 2010, to install 2 backhoe trenches (T-3 and T-4) off the pad and outside the initial release area. Each of the trenches was extended to 12 feet bgs and samples were collected and submitted for analysis of chlorides. Referring to Table 2, the chlorides in both trenches ranged from <200 mg/kg to 380 mg/kg.

TETRA TECH

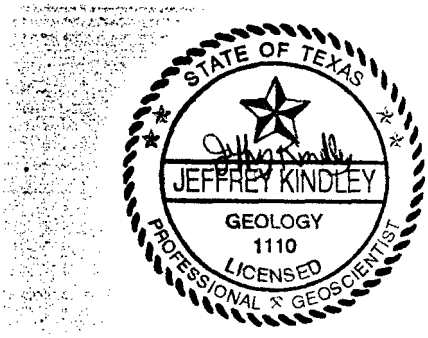
Soil Remediation

On February 2, 2010, Tetra Tech was onsite to oversee the excavation and removal of the first two feet of soil in the vicinity of auger holes AH-1 and AH-2. An area measuring approximately 15 by 15 feet adjacent to AH-1 and 20 by 25 feet adjacent to AH-2 were excavated. Approximately 54 cubic yards of soil were transported offsite for disposal at Lea Land, Inc in Carlsbad, New Mexico.

Work Plan

Stephens & Johnson proposes to excavate and remove an area measuring approximately 20 feet by 20 feet in the vicinity of auger hole AH-1 and 20 feet by 20 feet in the vicinity of AH-2 to a depth of 6 feet. See Figure 4 for proposed poly liner locations. Upon completion of the excavation, the soils will be transported offsite for proper disposal. Afterwards, two 20-mil poly liners with the same measurements as the two excavated areas will be installed to a depth of 4 feet bgs in AH-1 and AH-2. The liners will impede further migration of the remaining chlorides in the soil. After installation of the liners, the site will be backfilled with clean soils and brought up to surface grade.

Once the remedial activities are performed, a closure report will be submitted for the site. If you require any additional information or have any questions or comments concerning this work plan, please call at (432) 682-4559.



Respectfully submitted,
TETRA TECH

Jeff Kindley, P.G.
Senior Project Manager

cc: Mike Kincaid – Stephens & Johnson Operating Co.

FIGURES

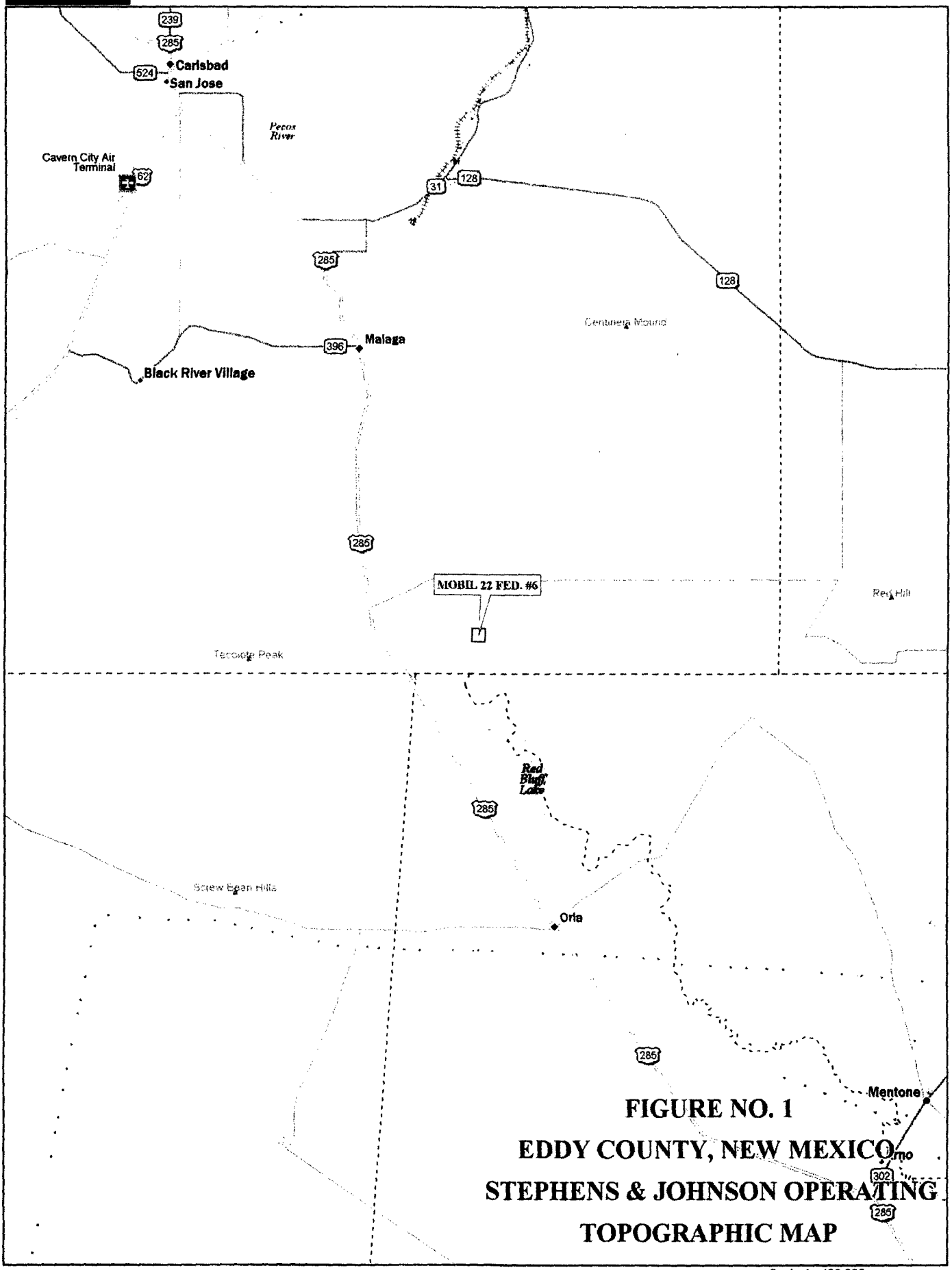


FIGURE NO. 1
EDDY COUNTY, NEW MEXICO
STEPHENS & JOHNSON OPERATING
TOPOGRAPHIC MAP

TN
MN (7.9°E)

Scale 1 : 400,000
1" = 6.31 mi
Data Zoom 9-0

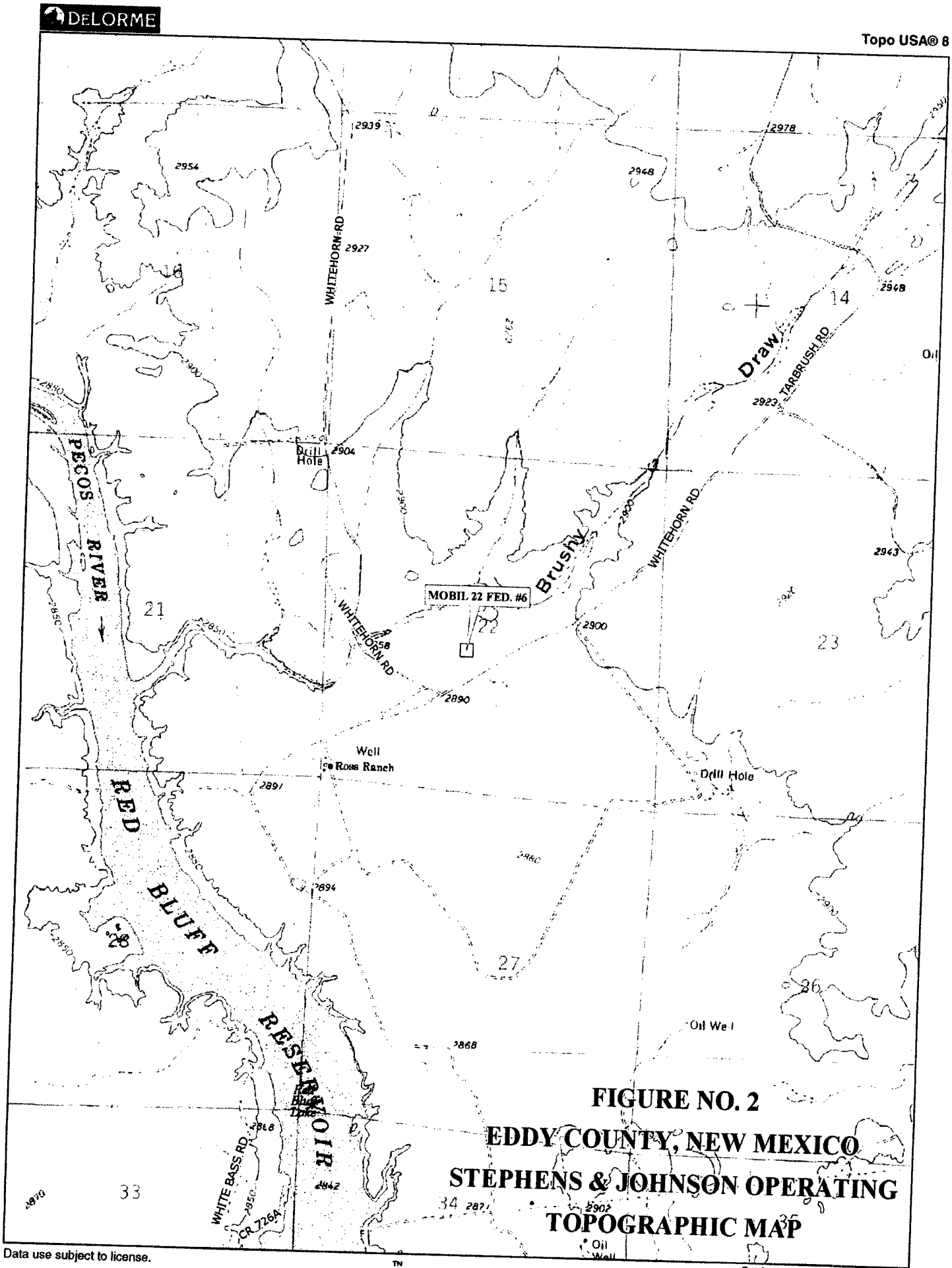
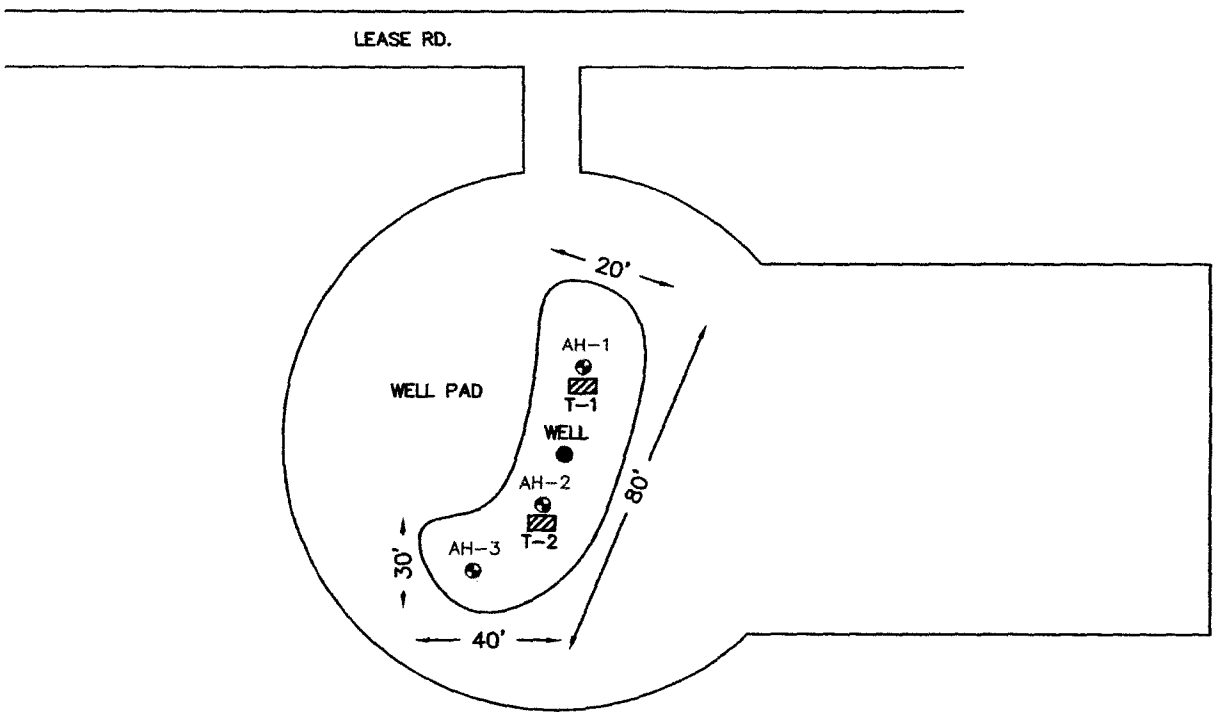


FIGURE NO. 2
EDDY COUNTY, NEW MEXICO
STEPHENS & JOHNSON OPERATING
TOPOGRAPHIC MAP



SPILL AREA
SAMPLE TRENCH
SAMPLE LOCATIONS

NOT TO SCALE

DATE: 11/10/09
DWG. BY: JJ
FILE: C:\STEPHENS & J 114-6400358

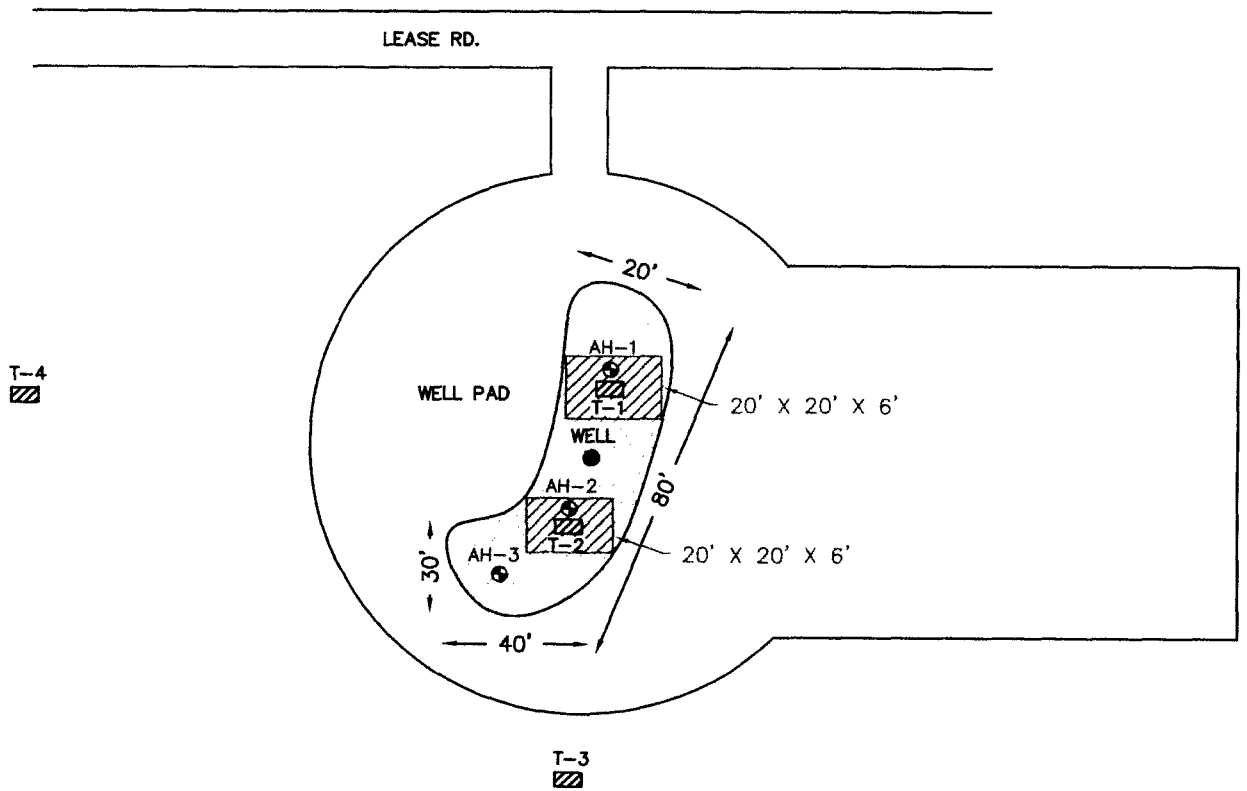
FIGURE NO. 3

EDDY COUNTY, NEW MEXICO

STEPHENS & JOHNSON OPERATING

MOBIL 22 FED #6 WELL

TETRA TECH, INC.
MIDLAND, TEXAS



SPILL AREA
PROPOSED LINER (4') & EXCAVATION (6') DEPTH
SAMPLE TRENCH
SAMPLE LOCATIONS

NOT TO SCALE

DATE: 11/10/09
DWG. BY: JJ
FILE: C:\STEPHENS & J 114-6400358

FIGURE NO. 4

EDDY COUNTY, NEW MEXICO

STEPHENS & JOHNSON OPERATING

MOBIL 22 FED #6 WELL LINER LOCATION & DEPTH

TETRA TECH, INC. MIDLAND, TEXAS

TABLES

Table 1
Stephens & Johnson Operating Co.
Mobil 22 Federal #6
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)	Total BTEX	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	Total						
AH-1	11/10/2009	0-1'		X	27.3	3580	**3607.3**	<0.100	<0.100	290	778	**1068**	3800
		1-1.5		X	6.31	96.7	103.01						2240
AH-2	11/10/2009	0-1'		X	<1.0	<50.0	<50.0	-	-	-	-	-	12600
AH-3	11/10/2009	0-1			18.6	<50.0	18.6	<0.010	<0.010	<0.010	<0.010	<0.010	3220

(-) Not Analyzed

Table 2
Stephens & Johnson Operating Co.
Mobil 22 Federal #6
Eddy County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
T-1	02/02/10	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
Liner		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		8	x		1,250
		8	x		864
		10	x		854
T-2	02/02/10	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
Liner		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		8	x		860
		10	x		541
		12	x		530
T-3	04/12/10	1	x		<200
Background		2	x		380
		3	x		237
		4	x		<200
		5	x		<200
		6	x		<200
		8	x		<200
		10	x		<200
		12	x		210

Table 2
Stephens & Johnson Operating Co.
Mobil 22 Federal #6
Eddy County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	Soil Status		Chloride (mg/kg)
			In-Situ	Removed	
T-4	04/12/10	1	x		<200
Background		2	x		<200
		3	x		<200
		4	x		<200
		5	x		<200
		6	x		315
		8	x		<200
		10	x		220
		12	x		<200

(-) Not Analyzed

Proposed Excavation Depth

Proposed Liner Installation

APPENDIX A
INITIAL C-141

0358

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd, 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 toappropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

[X] Initial Report [ ] Final Report

Name	Contact
Stephens & Johnson Operating Co.	William M. Kincaid
Address	Telephone No.
P.O. Box 2249 Wichita Falls, Texas 76307-2249	[940] 723-2166
Facility Name	Facility Type
Mobil 22 Federal No. 6	Producing Oil Well

Surface Owner	Mineral Owner	Lease No.
J. G. Ross, Jr.	MMS (Federal)	NM-22634

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	22	26S	29E	2260	South	2310	West	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Stuffing Box Leak	2 bbls	None
Source of Release	**Date and Hour of Occurrence**	**Date and Hour of Discovery**
Wellhead	10-14-09	10-14-09
Was Immediate Notice Given? [ ] Yes [ ] No [X] Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? [ ] Yes [X] No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully. *

Describe Cause of Problem and Remedial Action Taken. *

Stuffing box leaking. Stuffing box packing replaced to stop leak.

Describe Area Affected and Cleanup Action Taken. *

A small area around wellhead and confined to well location was contaminated with oil and water. All contaminated soil was removed and replaced with new soil on 10-16-09.

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: William M. Kincaid

Printed Name: William M. Kincaid

Title: Petroleum Engineer

E-mail Address: mkincaid@sjoc.net

Date: 10-20-09 Phone: [940] 723-2166

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached [ ]

* Attach Additional Sheets If Necessary

APPENDIX B
WATER WELL REPORTS

Water Well Data
Average Depth to Groundwater (ft)
Stephens and Johnson - Mobile #22 Federal #6, Eddy County, New Mexico

24 South 28 East

6 70	5 30	4 30	3	2 55	1 60
7	8 50	9	10 17	11 20	12 73
18	17 42	16 29	15 18	14 52	13 34
19	20 48	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

24 South 29 East

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

24 South 30 East

6	5	4	3	2	1
7	8 186	9	10	11	12
18	17	16	15	14	13
19 **231** 150	20	21	22	23 400	24
30	29	28	27	26	25
31	32	33	34	35	36

25 South 28 East

6	5	4 35	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20 96	21	22	23	24
30	29	28 90	27	26	25
31	32	33	34	35	36 40

25 South 29 East

6 40	5	4	3	2	1
7	8	9	10 40	11	12
18	17	16	15 60	14	13
19	20	21	22	23	24
30 30	29	28	27	26	25
31	32	33	34	35	36

25 South 30 East

6	5	4	3	2	1
7 **264**	8	9 295	10	11	12 **390**
18	17	16	15	14	13
19	20	21 **265** 268	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

26 South 28 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

26 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 **57** **69Site**	23	24
30	29	28	27	26	25
31	32	33	34	35	36

26 South 30 East

6	5 179 **180**	4	3	2	1
7	8 172	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24 180
30	29	28	27	26	25
31	32	33	34	35	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

NM WAIDS

DATA MAPS HOME SCALE CORROSION

Water Samples for Sect 22 Township 26 South Range 29 East

Instructions:

The number represents the number of water samples of certain well. Click the number if you want to download the data.

4 records are available.

	# of samples	S	T	R	Formation	Date	Chlorides (mg/L)	Location (qtr/qtr)
☐	1 sample	22	26S	29E	RSLR	7/14/1987	1754	26S.29E.22.23341
☐	1 sample	22	26S	29E	RSLR	4/11/1985	5770	26S.29E.22.23341
☐	1 sample	22	26S	29E	RSLR	9/3/1997	5880	26S.29E.22.23341
☐	1 sample	22	26S	29E	RSLR	4/8/1992	6070	26S.29E.22.23341

☐ SELECT/DESELECT ALL

Submit

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02038		PRO	ED	3	2	4	26	26S	29E	599204	3541992*	200		
C 02115		PRO	ED		1	3	26	26S	29E	598077	3542093*	160	85	75

Average Depth to Water: **85 feet**

Minimum Depth: **85 feet**

Maximum Depth: **85 feet**

Record Count: 2

PLSS Search:

Township: 26S Range: 29E

***UTM location was derived from PLSS - see Help**

APPENDIX C
LABORATORY ANALYTICAL

TRACEANALYSIS, INC.

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: November 23, 2009

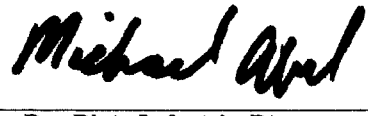
Work Order: 9111604

Project Location: Eddy Co., NM
Project Name: Stephens & Johnson/Mobil 22 Fed. #6
Project Number: 114-6400358

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
214898	AH-1 0-1'	soil	2009-11-10	00:00	2009-11-13
214899	AH-1 1'-1.5'	soil	2009-11-10	00:00	2009-11-13
214900	AH-2 0-1'	soil	2009-11-10	00:00	2009-11-13
214901	AH-3 0-1'	soil	2009-11-10	00:00	2009-11-13

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
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 Stephens & Johnson/Mobil 22 Fed. #6 were received by TraceAnalysis, Inc. on 2009-11-13 and assigned to work order 9111604. Samples for work order 9111604 were received intact at a temperature of 8.2 deg. 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	55873	2009-11-17 at 16:00	65381	2009-11-17 at 11:38
Chloride (Titration)	SM 4500-Cl B	55915	2009-11-19 at 14:11	65459	2009-11-20 at 10:26
TPH DRO - NEW	Mod. 8015B	55839	2009-11-16 at 15:56	65350	2009-11-16 at 15:56
TPH DRO - NEW	Mod. 8015B	55885	2009-11-18 at 13:26	65408	2009-11-18 at 13:26
TPH GRO	S 8015B	55873	2009-11-17 at 16:00	65382	2009-11-17 at 12:05
TPH GRO	S 8015B	55928	2009-11-19 at 11:00	65457	2009-11-20 at 00:23

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 9111604 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: 214898 - AH-1 0-1'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	65381	Date Analyzed:	2009-11-17	Analyzed By:	AG
Prep Batch:	55873	Sample Preparation:	2009-11-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.100		mg/Kg	10	0.0100
Toluene		<0.100		mg/Kg	10	0.0100
Ethylbenzene		**290**		mg/Kg	10	0.0100
Xylene		**778**		mg/Kg	10	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		11.0	mg/Kg	10	10.0	110	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		9.59	mg/Kg	10	10.0	96	43.1 - 128.4

Sample: 214898 - AH-1 0-1'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	65459	Date Analyzed:	2009-11-20	Analyzed By:	AR
Prep Batch:	55915	Sample Preparation:	2009-11-19	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**3800**		mg/Kg	100	4.00

Sample: 214898 - AH-1 0-1'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	65350	Date Analyzed:	2009-11-16	Analyzed By:	kg
Prep Batch:	55839	Sample Preparation:	2009-11-16	Prepared By:	kg

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**3580**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	[1]	372	mg/Kg	1	100	372	70 - 130

Sample: 214898 - AH-1 0-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	65382	Date Analyzed:	2009-11-17	Analyzed By:	AG
Prep Batch:	55873	Sample Preparation:	2009-11-17	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**27.3**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.9	mg/Kg	10	10.0	109	65.3 - 115
4-Bromofluorobenzene (4-BFB)		9.07	mg/Kg	10	10.0	91	61.7 - 121.1

Sample: 214899 - AH-1 1'-1.5'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	65459	Date Analyzed:	2009-11-20	Analyzed By:	AR
Prep Batch:	55915	Sample Preparation:	2009-11-19	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2240**	mg/Kg	100	4.00

Sample: 214899 - AH-1 1'-1.5'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	65408	Date Analyzed:	2009-11-18	Analyzed By:	kg
Prep Batch:	55885	Sample Preparation:	2009-11-18	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**96.7**	mg/Kg	1	50.0

[1] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		106	mg/Kg	1	100	106	70 - 130

Sample: 214899 - AH-1 1'-1.5'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	65457	Date Analyzed:	2009-11-20	Analyzed By:	AG
Prep Batch:	55928	Sample Preparation:	2009-11-19	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**6.31**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	65.3 - 115
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	61.7 - 121.1

Sample: 214900 - AH-2 0-1'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	65459	Date Analyzed:	2009-11-20	Analyzed By:	AR
Prep Batch:	55915	Sample Preparation:	2009-11-19	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**12600**	mg/Kg	100	4.00

Sample: 214900 - AH-2 0-1'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	65350	Date Analyzed:	2009-11-16	Analyzed By:	kg
Prep Batch:	55839	Sample Preparation:	2009-11-16	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	[2]	136	mg/Kg	1	100	136	70 - 130

Sample: 214900 - AH-2 0-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	65382	Date Analyzed:	2009-11-17	Analyzed By:	AG
Prep Batch:	55873	Sample Preparation:	2009-11-17	Prepared By:	AG

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)		2.13	mg/Kg	1	2.00	106	65.3 - 115
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	61.7 - 121.1

Sample: 214901 - AH-3 0-1'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	65381	Date Analyzed:	2009-11-17	Analyzed By:	AG
Prep Batch:	55873	Sample Preparation:	2009-11-17	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.18	mg/Kg	1	2.00	109	64.4 - 111.2
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	43.1 - 128.4

Sample: 214901 - AH-3 0-1'

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	65459	Date Analyzed:	2009-11-20	Analyzed By:	AR
Prep Batch:	55915	Sample Preparation:	2009-11-19	Prepared By:	AR

[2]High surrogate recovery. Sample non-detect, result bias high.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**3220**		mg/Kg	100	4.00

Sample: 214901 - AH-3 0-1'

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	65350	Date Analyzed:	2009-11-16	Analyzed By:	kg
Prep Batch:	55839	Sample Preparation:	2009-11-16	Prepared By:	kg

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-Tricosane	[3]	134	mg/Kg	1	100	134	70 - 130

Sample: 214901 - AH-3 0-1'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	65382	Date Analyzed:	2009-11-17	Analyzed By:	AG
Prep Batch:	55873	Sample Preparation:	2009-11-17	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**18.6**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.14	mg/Kg	1	2.00	107	65.3 - 115
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	61.7 - 121.1

Method Blank (1) QC Batch: 65350

QC Batch:	65350	Date Analyzed:	2009-11-16	Analyzed By:	kg
Prep Batch:	55839	QC Preparation:	2009-11-16	Prepared By:	kg

[3] High surrogate recovery. Sample non-detect, result bias high.

Parameter	Flag	MDL Result	Units	RL
DRO		<5.86	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		123	mg/Kg	1	100	123	70 - 130

Method Blank (1) QC Batch: 65381

QC Batch: 65381 Date Analyzed: 2009-11-17 Analyzed By: AG
Prep Batch: 55873 QC Preparation: 2009-11-17 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.17	mg/Kg	1	2.00	108	64.9 - 122.7
4-Bromofluorobenzene (4-BFB)		1.88	mg/Kg	1	2.00	94	43.9 - 121.9

Method Blank (1) QC Batch: 65382

QC Batch: 65382 Date Analyzed: 2009-11-17 Analyzed By: AG
Prep Batch: 55873 QC Preparation: 2009-11-17 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.19	mg/Kg	1	2.00	110	66.2 - 125
4-Bromofluorobenzene (4-BFB)		1.84	mg/Kg	1	2.00	92	62 - 120.5

Method Blank (1) QC Batch: 65408

QC Batch: 65408 Date Analyzed: 2009-11-18 Analyzed By: kg
Prep Batch: 55885 QC Preparation: 2009-11-18 Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<5.86	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.2	mg/Kg	1	100	98	70 - 130

Method Blank (1) QC Batch: 65457

QC Batch: 65457 Date Analyzed: 2009-11-20 Analyzed By: AG
Prep Batch: 55928 QC Preparation: 2009-11-19 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.21	mg/Kg	1	2.00	110	66.2 - 125
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	62 - 120.5

Method Blank (1) QC Batch: 65459

QC Batch: 65459 Date Analyzed: 2009-11-20 Analyzed By: AR
Prep Batch: 55915 QC Preparation: 2009-11-19 Prepared By: AR

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

Laboratory Control Spike (LCS-1)

QC Batch: 65350 Date Analyzed: 2009-11-16 Analyzed By: kg
Prep Batch: 55839 QC Preparation: 2009-11-16 Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	222	mg/Kg	1	250	<5.86	89	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	216	mg/Kg	1	250	<5.86	86	57.4 - 133.4	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
n-Tricosane	112	115	mg/Kg	1	100	112	115	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 65381 | Date Analyzed: 2009-11-17 | Analyzed By: AG
Prep Batch: 55873 | QC Preparation: 2009-11-17 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.03	mg/Kg	1	2.00	<0.00410	102	75.4 - 115.7
Toluene	2.01	mg/Kg	1	2.00	<0.00310	100	78.4 - 113.6
Ethylbenzene	1.97	mg/Kg	1	2.00	<0.00240	98	76 - 114.2
Xylene	5.91	mg/Kg	1	6.00	<0.00650	98	76.9 - 113.6

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
Benzene	1.97	mg/Kg	1	2.00	<0.00410	98	75.4 - 115.7	3	20
Toluene	1.96	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6	2	20
Ethylbenzene	1.92	mg/Kg	1	2.00	<0.00240	96	76 - 114.2	3	20
Xylene	5.74	mg/Kg	1	6.00	<0.00650	96	76.9 - 113.6	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)	2.13	2.18	mg/Kg	1	2.00	106	109	65 - 122.9
4-Bromofluorobenzene (4-BFB)	1.88	1.92	mg/Kg	1	2.00	94	96	43.8 - 124.9

Laboratory Control Spike (LCS-1)

QC Batch: 65382 | Date Analyzed: 2009-11-17 | Analyzed By: AG
Prep Batch: 55873 | QC Preparation: 2009-11-17 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	15.4	mg/Kg	1	20.0	<0.396	77	52.5 - 114.3

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	16.1	mg/Kg	1	20.0	<0.396	80	52.5 - 114.3	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)	2.24	2.18	mg/Kg	1	2.00	112	109	66.2 - 128.7
4-Bromofluorobenzene (4-BFB)	1.90	1.86	mg/Kg	1	2.00	95	93	64.1 - 127.4

Laboratory Control Spike (LCS-1)

QC Batch: 65408 | Date Analyzed: 2009-11-18 | Analyzed By: kg
Prep Batch: 55885 | QC Preparation: 2009-11-18 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	180	mg/Kg	1	250	<5.86	72	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	180	mg/Kg	1	250	<5.86	72	57.4 - 133.4	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
n-Tricosane	101	100	mg/Kg	1	100	101	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 65457 | Date Analyzed: 2009-11-20 | Analyzed By: AG
Prep Batch: 55928 | QC Preparation: 2009-11-19 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	14.5	mg/Kg	1	20.0	<0.396	72	52.5 - 114.3

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	14.4	mg/Kg	1	20.0	<0.396	72	52.5 - 114.3	1	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)	2.17	2.16	mg/Kg	1	2.00	108	108	66.2 - 128.7
4-Bromofluorobenzene (4-BFB)	1.87	1.84	mg/Kg	1	2.00	94	92	64.1 - 127.4

Laboratory Control Spike (LCS-1)

QC Batch: 65459 | Date Analyzed: 2009-11-20 | Analyzed By: AR
Prep Batch: 55915 | QC Preparation: 2009-11-19 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	102	mg/Kg	1	100	<2.18	102	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	100	mg/Kg	1	100	<2.18	100	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: 214846

QC Batch: 65350 | Date Analyzed: 2009-11-16 | Analyzed By: kg
Prep Batch: 55839 | QC Preparation: 2009-11-16 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	245	mg/Kg	1	250	<5.86	98	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	249	mg/Kg	1	250	<5.86	100	35.2 - 167.1	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
n-Tricosane	125	124	mg/Kg	1	100	125	124	70 - 130

Matrix Spike (MS-1) Spiked Sample: 214826

QC Batch: 65381 | Date Analyzed: 2009-11-17 | Analyzed By: AG
Prep Batch: 55873 | QC Preparation: 2009-11-17 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.25	mg/Kg	1	2.00	<0.00410	112	57.7 - 140.7
Toluene	2.28	mg/Kg	1	2.00	<0.00310	114	53.4 - 146.6
Ethylbenzene	2.30	mg/Kg	1	2.00	0.0189	114	62.1 - 141.6
Xylene	7.02	mg/Kg	1	6.00	0.1503	114	61.2 - 142.7

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	2.14	mg/Kg	1	2.00	<0.00410	107	57.7 - 140.7	5	20
Toluene	2.17	mg/Kg	1	2.00	<0.00310	108	53.4 - 146.6	5	20
Ethylbenzene	2.19	mg/Kg	1	2.00	0.0189	108	62.1 - 141.6	5	20
Xylene	6.68	mg/Kg	1	6.00	0.1503	109	61.2 - 142.7	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)	2.15	2.16	mg/Kg	1	2	108	108	62.7 - 119.6
4-Bromofluorobenzene (4-BFB)	1.98	1.98	mg/Kg	1	2	99	99	49.6 - 136.7

Matrix Spike (MS-1) Spiked Sample: 214900

QC Batch: 65382 | Date Analyzed: 2009-11-17 | Analyzed By: AG
Prep Batch: 55873 | QC Preparation: 2009-11-17 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	17.9	mg/Kg	1	20.0	<0.396	90	10 - 198.3

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	19.3	mg/Kg	1	20.0	<0.396	96	10 - 198.3	8	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)	2.10	2.06	mg/Kg	1	2	105	103	65.5 - 123
4-Bromofluorobenzene (4-BFB)	1.98	1.85	mg/Kg	1	2	99	92	58.6 - 140

Matrix Spike (MS-1) Spiked Sample: 214899

QC Batch: 65408 | Date Analyzed: 2009-11-18 | Analyzed By: kg
Prep Batch: 55885 | QC Preparation: 2009-11-18 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	216	mg/Kg	1	250	96.7	48	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	199	mg/Kg	1	250	96.7	41	35.2 - 167.1	8	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	95.0	96.0	mg/Kg	1	100	95	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 214963

QC Batch: 65457 | Date Analyzed: 2009-11-20 | Analyzed By: AG
Prep Batch: 55928 | QC Preparation: 2009-11-19 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	13.9	mg/Kg	1	20.0	<0.396	70	10 - 198.3

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	15.0	mg/Kg	1	20.0	<0.396	75	10 - 198.3	8	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)	2.04	2.12	mg/Kg	1	2	102	106	65.5 - 123
4-Bromofluorobenzene (4-BFB)	1.91	1.93	mg/Kg	1	2	96	96	58.6 - 140

Matrix Spike (MS-1) Spiked Sample: 215166

QC Batch: 65459 | Date Analyzed: 2009-11-20 | Analyzed By: AR
Prep Batch: 55915 | QC Preparation: 2009-11-19 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10800	mg/Kg	100	10000	911	99	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	11000	mg/Kg	100	10000	911	101	85 - 115	2	20

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

Standard (CCV-1)

QC Batch: 65350 Date Analyzed: 2009-11-16 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	301	120	80 - 120	2009-11-16

Standard (CCV-2)

QC Batch: 65350 Date Analyzed: 2009-11-16 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	248	99	80 - 120	2009-11-16

Standard (CCV-3)

QC Batch: 65350 Date Analyzed: 2009-11-16 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	283	113	80 - 120	2009-11-16

Standard (CCV-1)

QC Batch: 65381 Date Analyzed: 2009-11-17 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	2009-11-17
Toluene		mg/Kg	0.100	0.0981	98	80 - 120	2009-11-17
Ethylbenzene		mg/Kg	0.100	0.0956	96	80 - 120	2009-11-17
Xylene		mg/Kg	0.300	0.288	96	80 - 120	2009-11-17

Standard (CCV-2)

QC Batch: 65381 Date Analyzed: 2009-11-17 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	0.0973	97	80 - 120	2009-11-17
Toluene		mg/Kg	0.100	0.0959	96	80 - 120	2009-11-17
Ethylbenzene		mg/Kg	0.100	0.0907	91	80 - 120	2009-11-17
Xylene		mg/Kg	0.300	0.271	90	80 - 120	2009-11-17

Standard (CCV-1)

QC Batch: 65382 Date Analyzed: 2009-11-17 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	1.04	104	80 - 120	2009-11-17

Standard (CCV-2)

QC Batch: 65382 Date Analyzed: 2009-11-17 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	1.00	100	80 - 120	2009-11-17

Standard (CCV-3)

QC Batch: 65382 Date Analyzed: 2009-11-17 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	1.18	118	80 - 120	2009-11-17

Standard (CCV-2)

QC Batch: 65408 Date Analyzed: 2009-11-18 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	222	89	80 - 120	2009-11-18

Standard (CCV-3)

QC Batch: 65408 Date Analyzed: 2009-11-18 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	218	87	80 - 120	2009-11-18

Standard (CCV-1)

QC Batch: 65457 Date Analyzed: 2009-11-20 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	0.955	96	80 - 120	2009-11-20

Standard (CCV-2)

QC Batch: 65457 Date Analyzed: 2009-11-20 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	0.921	92	80 - 120	2009-11-20

Standard (ICV-1)

QC Batch: 65459 Date Analyzed: 2009-11-20 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	2009-11-20

Standard (CCV-1)

QC Batch: 65459 Date Analyzed: 2009-11-20 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.5	98	85 - 115	2009-11-20

Order #: 9111604

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 1

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: Stephens & Johnson

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-C400358

PROJECT NAME: Stephens & Johnson / Mobil 22 Fed #6
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 TX1005 (Ext. to C35)	TPH 8015 MOD.	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
214898	11/10		S		X	AH-1 0-1'	1				X			X															
899						AH-1 1'-1.5'																							
900						AH-2 0-1'								X															
901						AH-3 0-1'								X															

RELINQUISHED BY: (Signature) — Date: 11/10/09 Time: 1505 — RECEIVED BY: (Signature) — Date: 11/13/09 Time: 1503

SAMPLED BY: (Print & Initial) JT / TCG — Date: 11/10/09 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:

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: 8.2°C INTACT

REMARKS: Run deeper Samples if TPH exceeds 1,000mg/kg.

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

Run (2) BTEX w/ light TPH

TRACEANALYSIS, INC.

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: February 8, 2010

Work Order: 10020230

Project Location: Eddy Co., NM
Project Name: Stephens & Johnson/Mobil 22 Fed. #6
Project Number: 114-6400358

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
221455	T-1 (2')	soil	2010-02-01	14:00	2010-02-02
221456	T-1 (3')	soil	2010-02-01	14:04	2010-02-02
221457	T-1 (4')	soil	2010-02-01	14:08	2010-02-02
221458	T-1 (5')	soil	2010-02-01	14:11	2010-02-02
221459	T-1 (6')	soil	2010-02-01	14:15	2010-02-02
221460	T-1 (8')	soil	2010-02-01	14:20	2010-02-02
221461	T-1 (10')	soil	2010-02-01	14:23	2010-02-02
221462	T-2 (1.5')	soil	2010-02-01	14:30	2010-02-02
221463	T-2 (2')	soil	2010-02-01	14:33	2010-02-02
221464	T-2 (3')	soil	2010-02-01	14:35	2010-02-02

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
221465	T-2 (4')	soil	2010-02-01	14:38	2010-02-02
221466	T-2 (5')	soil	2010-02-01	14:42	2010-02-02
221467	T-2 (6')	soil	2010-02-01	14:44	2010-02-02
221468	T-2 (8')	soil	2010-02-01	14:48	2010-02-02
221469	T-2 (10')	soil	2010-02-01	14:52	2010-02-02
221470	T-2 (12')	soil	2010-02-01	14:56	2010-02-02

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
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 Stephens & Johnson/Mobil 22 Fed. #6 were received by TraceAnalysis, Inc. on 2010-02-02 and assigned to work order 10020230. Samples for work order 10020230 were received intact at a temperature of 11.0 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	57574	2010-02-04 at 09:21	67369	2010-02-08 at 09:55
Chloride (Titration)	SM 4500-Cl B	57575	2010-02-04 at 09:22	67370	2010-02-08 at 09:56

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 10020230 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: 221455 - T-1 (2')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1800**	mg/Kg	50	4.00

Sample: 221456 - T-1 (3')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1130**	mg/Kg	50	4.00

Sample: 221457 - T-1 (4')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**880**	mg/Kg	50	4.00

Sample: 221458 - T-1 (5')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**962**	mg/Kg	50	4.00

Sample: 221459 - T-1 (6')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1250**	mg/Kg	50	4.00

Sample: 221460 - T-1 (8')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**864**	mg/Kg	50	4.00

Sample: 221461 - T-1 (10')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**854**	mg/Kg	50	4.00

Sample: 221462 - T-2 (1.5')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**8310**	mg/Kg	100	4.00

Sample: 221463 - T-2 (2')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**6340**	mg/Kg	100	4.00

Sample: 221464 - T-2 (3')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67369	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57574	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2780**	mg/Kg	100	4.00

Sample: 221465 - T-2 (4')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1090**	mg/Kg	50	4.00

Sample: 221466 - T-2 (5')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1430**	mg/Kg	50	4.00

Sample: 221467 - T-2 (6')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1370**	mg/Kg	50	4.00

Sample: 221468 - T-2 (8')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**860**	mg/Kg	50	4.00

Sample: 221469 - T-2 (10')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**541**	mg/Kg	50	4.00

Sample: 221470 - T-2 (12')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	67370	Date Analyzed:	2010-02-08	Analyzed By:	AR
Prep Batch:	57575	Sample Preparation:	2010-02-04	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**530**	mg/Kg	50	4.00

Method Blank (1) QC Batch: 67369

QC Batch: 67369 Date Analyzed: 2010-02-08 Analyzed By: AR
Prep Batch: 57574 QC Preparation: 2010-02-04 Prepared By: AR

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

Method Blank (1) QC Batch: 67370

QC Batch: 67370 Date Analyzed: 2010-02-08 Analyzed By: AR
Prep Batch: 57575 QC Preparation: 2010-02-04 Prepared By: AR

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

Laboratory Control Spike (LCS-1)

QC Batch: 67369 Date Analyzed: 2010-02-08 Analyzed By: AR
Prep Batch: 57574 QC Preparation: 2010-02-04 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	100	mg/Kg	1	100	<2.18	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	103	mg/Kg	1	100	<2.18	103	85 - 115	3	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: 67370 | Date Analyzed: 2010-02-08 | Analyzed By: AR
Prep Batch: 57575 | QC Preparation: 2010-02-04 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.3	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.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<2.18	101	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: 221464

QC Batch: 67369 | Date Analyzed: 2010-02-08 | Analyzed By: AR
Prep Batch: 57574 | QC Preparation: 2010-02-04 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11400	mg/Kg	100	10000	2780	86	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	11500	mg/Kg	100	10000	2780	115	85 - 115	1	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: 221474

QC Batch: 67370 | Date Analyzed: 2010-02-08 | Analyzed By: AR
Prep Batch: 57575 | QC Preparation: 2010-02-04 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	<218	101	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	1	20

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

Standard (ICV-1)

QC Batch: 67369 | Date Analyzed: 2010-02-08 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2010-02-08

Standard (CCV-1)

QC Batch: 67369 | Date Analyzed: 2010-02-08 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.0	97	85 - 115	2010-02-08

Standard (ICV-1)

QC Batch: 67370 | Date Analyzed: 2010-02-08 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.1	97	85 - 115	2010-02-08

Standard (CCV-1)

QC Batch: 67370 | Date Analyzed: 2010-02-08 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2010-02-08

Order #: 100220230

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: Stephens + Johnson

SITE MANAGER: Jeff Kindley

PROJECT NO.: 114-6400.358

PROJECT NAME: Mobil 22 Fed #6, Eddy Co, NM

LAB I.D. NUMBER	DATE	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
221455	02/01/10	1400	S		✓	T-1 (2')	1					✓												✓					
456	02/01/10	1404	S		✓	T-1 (3')	1					✓												✓					
457	02/01/10	1408	S		✓	T-1 (4')	1					✓												✓					
458	02/01/10	1411	S		✓	T-1 (5')	1					✓												✓					
459	02/01/10	1415	S		✓	T-1 (6')	1					✓												✓					
460	02/01/10	1420	S		✓	T-1 (8')	1					✓												✓					
461	02/01/10	1423	S		✓	T-1 (10')	1					✓												✓					
462	02/01/10	1430	S		✓	T-2 (1.5')	1					✓												✓					
463	02/01/10	1433	S		✓	T-2 (2')	1					✓												✓					
464	02/01/10	1435	S		✓	T-2 (3')	1					✓												✓					

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Jeffrey Kindley — Date: 02/02/10 — Time: 12:15

RECEIVED BY: (Signature) — Date: 2/2/10 — Time: 12:15

SAMPLED BY: (Print & Initial) Jeffrey Kindley JWK — Date: Feb 2, 2010 — 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: Jeff Kindley

Results by:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: N.O. Intact

REMARKS:

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

Order#: 10020230

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: Stephens + Johnson

SITE MANAGER: Jeff Kindley

PROJECT NO.: 114-6400358

PROJECT NAME: Mobil 32 Fed #6, Eddy Co, NM

LAB I.D. NUMBER	DATE	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
22465	02/01/10	1438	S		✓	T-2 (4')	1					✓													✓				
466	02/01/10	1442	S		✓	T-2 (5')	1					✓													✓				
467	02/01/10	1444	S		✓	T-2 (6')	1					✓													✓				
468	02/01/10	1448	S		✓	T-2 (8')	1					✓													✓				
469	02/01/10	1452	S		✓	T-2 (10')	1					✓													✓				
470	02/01/10	1456	S		✓	T-2 (12'	1					✓													✓				

RELINQUISHED BY: (Signature) Jeffrey Kindley — Date: 02/01/10 Time: 1213

RECEIVED BY: (Signature) — Date: 2/2/10 Time: 12:13

SAMPLED BY: (Print & Initial) Jeffrey Kindley JWK — Date: Feb 3, 2010 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: Jeff Kindley

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED: 11.0° Intact

REMARKS:

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

TRACEANALYSIS, INC.

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: April 16, 2010

Work Order: 10041229

Project Location: Eddy Co., NM
Project Name: Stephens & Johnson/Mobil 22 Fed. #6
Project Number: 114-6400358

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
228284	T-3 (1')	soil	2010-04-12	00:00	2010-04-12
228285	T-3 (2')	soil	2010-04-12	00:00	2010-04-12
228286	T-3 (3')	soil	2010-04-12	00:00	2010-04-12
228287	T-3 (4')	soil	2010-04-12	00:00	2010-04-12
228288	T-3 (5')	soil	2010-04-12	00:00	2010-04-12
228289	T-3 (6')	soil	2010-04-12	00:00	2010-04-12
228290	T-3 (8')	soil	2010-04-12	00:00	2010-04-12
228291	T-3 (10')	soil	2010-04-12	00:00	2010-04-12
228292	T-3 (12')	soil	2010-04-12	00:00	2010-04-12
228293	T-4 (1')	soil	2010-04-12	00:00	2010-04-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
228294	T-4 (2')	soil	2010-04-12	00:00	2010-04-12
228295	T-4 (3')	soil	2010-04-12	00:00	2010-04-12
228296	T-4 (4')	soil	2010-04-12	00:00	2010-04-12
228297	T-4 (5')	soil	2010-04-12	00:00	2010-04-12
228298	T-4 (6')	soil	2010-04-12	00:00	2010-04-12
228299	T-4 (8')	soil	2010-04-12	00:00	2010-04-12
228300	T-4 (10')	soil	2010-04-12	00:00	2010-04-12
228301	T-4 (12')	soil	2010-04-12	00:00	2010-04-12

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
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 Stephens & Johnson/Mobil 22 Fed. #6 were received by TraceAnalysis, Inc. on 2010-04-12 and assigned to work order 10041229. Samples for work order 10041229 were received intact at a temperature of 23.0 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	59098	2010-04-13 at 09:47	69137	2010-04-15 at 11:45
Chloride (Titration)	SM 4500-Cl B	59099	2010-04-13 at 09:48	69138	2010-04-15 at 11:46

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 10041229 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: 228284 - T-3 (1')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228285 - T-3 (2')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**380**	mg/Kg	50	4.00

Sample: 228286 - T-3 (3')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**237**	mg/Kg	50	4.00

Sample: 228287 - T-3 (4')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228288 - T-3 (5')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228289 - T-3 (6')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228290 - T-3 (8')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228291 - T-3 (10')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228292 - T-3 (12')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**210**	mg/Kg	50	4.00

Sample: 228293 - T-4 (1')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228294 - T-4 (2')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228295 - T-4 (3')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228296 - T-4 (4')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228297 - T-4 (5')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228298 - T-4 (6')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**315**	mg/Kg	50	4.00

Sample: 228299 - T-4 (8')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Sample: 228300 - T-4 (10')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**220**	mg/Kg	50	4.00

Sample: 228301 - T-4 (12')

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	Sample Preparation:	2010-04-13	Prepared By:	AR

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

Method Blank (1) QC Batch: 69137

QC Batch:	69137	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59098	QC Preparation:	2010-04-13	Prepared By:	AR

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

Method Blank (1) QC Batch: 69138

QC Batch:	69138	Date Analyzed:	2010-04-15	Analyzed By:	AR
Prep Batch:	59099	QC Preparation:	2010-04-13	Prepared By:	AR

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

Laboratory Control Spike (LCS-1)

QC Batch: 69137 | Date Analyzed: 2010-04-15 | Analyzed By: AR
Prep Batch: 59098 | QC Preparation: 2010-04-13 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.5	mg/Kg	1	100	<2.18	98	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	100	mg/Kg	1	100	<2.18	100	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: 69138 | Date Analyzed: 2010-04-15 | Analyzed By: AR
Prep Batch: 59099 | QC Preparation: 2010-04-13 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.8	mg/Kg	1	100	<2.18	98	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	99.5	mg/Kg	1	100	<2.18	100	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: 228291

QC Batch: 69137 | Date Analyzed: 2010-04-15 | Analyzed By: AR
Prep Batch: 59098 | QC Preparation: 2010-04-13 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9980	mg/Kg	100	10000	<218	98	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	10100	mg/Kg	100	10000	<218	100	85 - 115	1	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: 228301

QC Batch: 69138 | Date Analyzed: 2010-04-15 | Analyzed By: AR
Prep Batch: 59099 | QC Preparation: 2010-04-13 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	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	100	85 - 115	1	20

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

Standard (ICV-1)

QC Batch: 69137 | Date Analyzed: 2010-04-15 | 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	2010-04-15

Standard (CCV-1)

QC Batch: 69137 | Date Analyzed: 2010-04-15 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.9	98	85 - 115	2010-04-15

Standard (ICV-1)

QC Batch: 69138 | Date Analyzed: 2010-04-15 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.1	99	85 - 115	2010-04-15

Standard (CCV-1)

QC Batch: 69138 Date Analyzed: 2010-04-15 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-04-15

LAB Order ID # 10041229

Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Tetra Tech
Phone #: 432-682-4559
Address: (Street, City, Zip) @ 1910 N. Big Spring, Midland, Tx 79705
Fax #:
Contact Person: Jeff Kindley
E-mail: Jeff.Kindley@tetratech.com
Invoice to: (if different from above) SAME
Project #: 114-640 0358
Project Name: Stephens + Johnson Mobil 22 Fed #6
Project Location (including state): Eddy Co, NM
Sampler Signature: Jeff Kindley

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
28284	T-3 (1')	1	4 oz		✓								✓	04/12/10	
285	T-3 (2')	1	4oz		✓								✓	04/12/10	
286	T-3 (3')	1	4oz		✓								✓	04/12/10	
287	T-3 (4')	1	4oz		✓								✓	04/12/10	
288	T-3 (5')	1	4oz		✓								✓	04/12/10	
289	T-3 (6')	1	4oz		✓								✓	04/12/10	
290	T-3 (8')	1	4oz		✓								✓	04/12/10	
291	T-3 (10')	1	4oz		✓								✓	04/12/10	
292	T-3 (12')	1	4oz		✓								✓	04/12/10	
293	T-4 (1')	1	4oz		✓								✓	04/12/10	
294	T-4 (2')	1	4oz		✓								✓	04/12/10	

ANALYSIS REQUEST columns: MTBE 8021 / 602 / 8260 / 624; BTEX 8021 / 602 / 8260 / 624; TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC; PAH 8270 / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260 / 624; GC/MS Semi. Vol. 8270 / 625; PCB's 8082 / 608; Pesticides 8081 / 608; BOD, TSS, pH; Moisture Content; Cl, Fl, SO4, NO3, NO2, Alkalinity; Na, Ca, Mg, K, TDS, EC; Chlorides; Turn Around Time if different from standard; Hold

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Jeff Kindley	TT	04/12/10	1500		Trace	4/12/10	15:00	INST ____ OBS 23.0 °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-In-Review

REMARKS:
All tests - Midland

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier # Caravan

LAB Order ID # 1U041224

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (800) 378-1296

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200 East Sunset Rd., Ste
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1 (888) 588-3443

Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Tetra Tech
Phone #: 432-682-4559
Address: (Street, City, Zip) 1910 N. Big Spring, Midland, Tx 79705
Fax #:
Contact Person: Jeff Kindley
E-mail: Jeff.Kindley@tetratech.com
Invoice to: (If different from above) SAME
Project #: 114-6400358
Project Name: Stephens + Johnson Mob: 122 Fed #6
Project Location (including state): Eddy Co, NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
08295	T-4 (3')	1	4oz		✓								✓	04/12/10	
296	T-4 (4')	1	4oz		✓								✓	04/12/10	
297	T-4 (5')	1	4oz		✓								✓	04/12/10	
298	T-4 (6')	1	4oz		✓								✓	04/12/10	
299	T-4 (8')	1	4oz		✓								✓	04/12/10	
300	T-4 (10')	1	4oz		✓								✓	04/12/10	
301	T-4 (12')	1	4oz		✓								✓	04/12/10	

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Chlorides			Turn Around Time if different from standard	Hold
																		✓					
																		✓					
																		✓					
																		✓					
																		✓					
																		✓					
																		✓					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Jeff Kindley	TT	04/12/10	1500		Trace	4/12/10	15:00	INST ___ OBS 23.0 °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-In-Review

REMARKS:
All tests - Midland

- Dry Weight Basis Required
- TRRP Report Required
- Check If Special Reporting Limits Are Needed

Carrier # Courier

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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