1R - 386

REPORTS

DATE:

July 2009

Hansen, Edward J., EMNRD

From: Ron Rounsaville [rrounsaville@novatraining.cc]
Sent: Tuesday, August 11, 2009 10:32 AM
To: Hansen, Edward J., EMNRD
Cc: Jason Henry
Subject: Junction 34 to Lea Final C-141
Attachments: Jct 34 to Lea Final C-141.pdf

Mr. Hansen,
Attached is a C-141 form for the Plains site known as Junction 34 to Lea Station, NMOCD reference # 1R-0386. The form is identified as "Final", but was never submitted for approval and included with the Soil Closure Request dated July 2009 documenting the soil remediation activities conducted from March until June 2009.

Plains is requesting your review and approval of the C-141 form for inclusion in the report.

Thank You,

Ronald K. Rounsaville
Project Manager
NOVA Safety & Environmental
2057 Commerce
Midland, Texas 79703
PH: 432-520-7720
FX: 432-520-7701
Cell: 432-894-7166

This inbound email has been scanned by the MessageLabs Email Security System.

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action
1R-0386

OPERATOR

☐ Initial Report X Final Report

Name of Company	**Plains Pipeline, LP**	Contact	**Jason Henry**
Address	**2530 Hwy 214 – Denver City, Tx 79323**	Telephone No.	**(575) 441-1099**
Facility Name	**JCT 34 Line to Lea**	Facility Type	**10 Inch Steel Pipeline**

Surface Owner **Deck Estate**	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	21	20S	37E					Lea

Latitude N 32° 32' 20.828'' **Longitude** W 103° 15' 38.480''

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **300 bbls**	Volume Recovered **190 bbls**
Source of Release **10" steel pipeline**	Date and Hour of Occurrence **11/06/2002 @ 11:00**	Date and Hour of Discovery **11/06/2002 @ 16:00**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Paul Sheeley**	
By Whom? **Pat McCasland, EPI**	Date and Hour **11/07/2002 @ 06:30**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **N/A**	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Pipe repair clamp installed.

Describe Area Affected and Cleanup Action Taken.*

Please see the attached Nova Safety and Environmental *Soil Closure Request* report for details of the remedial activities conducted for site closure.

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: Jason Henry	OIL CONSERVATION DIVISION	
Printed Name: Jason Henry	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: jhenry@paalp.com	Conditions of Approval:	Attached ☐
Date: 07/31/2009 Phone: (575) 441-1099		

* Attach Additional Sheets If Necessary

SOIL CLOSURE REQUEST

RECEIVED
2009 JUL 16 PM 1 14

JUNCTION 34 TO LEA STATION

NW ¼, SW ¼, SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
MONUMENT, NEW MEXICO
PLAINS SRS NUMBER: 2002-10286
NMOCD REF 1R-0386

Prepared for:

PLAINS PIPELINE, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

NOVA
safety and environmental

Prepared by:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

July 2009

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

TABLE OF CONTENTS

1.0 INTRODUCTION

On behalf of Plains Pipeline, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Soil Closure Request to the New Mexico Oil Conservation Division (NMOCD). The Junction 34 to Lea (2002-10286) Release Site is located approximately 10 miles northwest of Eunice in Lea County, New Mexico. The site is located in the NW ¼ SW ¼, Section 21, Township 20 South, Range 37 East. A Site Location Map is presented as Figure 1. The Release Notification and Corrective Action (Form C-141) submitted by EOTT reported approximately 300 barrels of crude oil released with 190 barrels recovered. The release is reported to have been due to internal corrosion of the pipeline. The release impacted approximately 10,769 square feet of pipeline right-of-way, caliche road and land owned by the Deck Estate. Upon discovery of the release on November 6, 2002, a contractor and EOTT personnel mobilized to the site, exposed the pipeline and installed a pipe repair clamp. Hydrocarbon impacted soil excavated during the emergency response activities was transported to an NMOCD approved land farm. In February 2003, hydrocarbon impacted soil, previously identified by the advancement of nine soil borings, was excavated to a depth of approximately twenty five (25) below ground surface (bgs) which was approximately 3 to 4 feet below the groundwater table. The dimensions of the 2003 excavation area measured approximately 120 feet in length (north to south) by 220 feet in width (east to west) The excavated soil was stockpiled on site for future remediation. A Site Map depicting the site features is presented as Figure 2.

In July 2004, a groundwater sparging system consisting of perforated poly-vinyl chloride (PVC) piping attached to an air compressor was installed at the site. The perforated PVC piping was laid in the pools located in the base of the excavation and air was blown through the piping in order to aerate the water to promote hydrocarbon volatilization.

In June 2006, a Soil Remediation Work Plan (Work Plan) was submitted by Plains to the NMOCD. The Work Plan detailed proposed activities designed to progress the release site toward an NMOCD approved soil closure.

In February 2008, an Addendum to the Soil Closure Proposal was submitted by Plains to the NMOCD. Plains received approval from the NMOCD to commence the activities outlined in the Addendum Work Plan. This Soil Closure Request details the results of the NMOCD approved activities completed at the site.

Documentation previously submitted to the NMOCD regarding remedial activities at this site included a Soil and Groundwater Abatement Plan dated June 2003, Soil Closure Proposal dated June 2006, and an Addendum to the Soil Closure Proposal dated February 2008.

Currently, there are eleven groundwater monitor wells (MW-1 through MW-11) on site. Based on the current groundwater gauging data, no PSH has been observed in any of the on site monitor wells since August 2008.

2.0 NMOCD SITE CLASSIFICATION

The depth to groundwater at the site is less than 50 feet bgs. Based on the NMOCD soil classification system, 20 points would be assigned to the site as a result of this criterion.

The distance to the nearest water source exceeds 1,000 feet, resulting in zero points being assigned to the site on this ranking criterion. There is no surface water body located within 1,000 feet of the site, resulting in zero points being assigned on this ranking criterion. The NMOCD guidelines indicate that the site would have a Ranking Score of >19. The soil action levels for a site with a Ranking Score of >19 points are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

The approved Soil Remediation Work Plan contained the following:

- Additional excavation of the existing excavation sidewalls to concentration limits below NMOCD cleanup standards based upon analytical results of soil samples collected during May 2006, and from the existing excavation floor to slightly above groundwater level.

- The floor of the excavation would be backfilled with permeable material to six-inches above the groundwater level.

- A 20-mil synthetic liner would then be installed over the floor of the excavation area.

- Impacted soil from the excavation would be treated on-site by blending and aeration techniques to achieve target concentrations (or below) as stated in the Work Plan. Pursuant to the Work Plan, treated soil above the liner will be blended to less than 1000 mg/Kg TPH, less than 10 mg/Kg benzene and less than 50 mg/Kg total BTEX.

3.0 SUMMARY OF RECENT FIELD ACTIVITIES

3.1 Impacted Soil Removal

Pursuant to the Work Plan, approved by the NMOCD on February 19, 2008, NOVA personnel collected soil samples on November 12, 2008, from the sidewalls of the existing excavation at locations previously sampled in May 2006, to determine current soil concentrations. Excavation of the impacted soils in the area of the release point began on February 16, 2009. An excavator was utilized to remove impacted soil from the floor and sidewalls of the original excavation area. The excavated soil was stockpiled on-site and blended with the existing excavated soil stockpile. As excavation activities progressed, soil samples were collected from the north, south, east and west sidewalls of the excavation area. Confirmation soil samples collected along the east sidewall, identified as East Wall-1A and 2A, were collected below a Southern Union Gas (SUG) pipeline. Analytical results of sample East Wall-1A and 2A indicated TPH concentrations of 212 mg/Kg and 848.5 mg/Kg, respectively. Due to the instability of the soil underlying the SUG line, additional excavation immediately underneath the SUG line was not attempted, so as not to compromise the support of the SUG pipeline. Based on visual and olfactory observations and laboratory analytical results, the final dimensions of the excavation area were approximately 210 feet in length (north to south) by 280 feet in width (east to west) and averaged approximately 15 feet below ground surface (bgs). An estimated 22,500 cubic yards of soil was brought to surface and combined with the existing 9,000 cubic yard soil stockpile (excavated during the April 2003

excavation abatement activities) for onsite remediation by mixing, blending and aeration methods. Excavation and backfilling activities were completed on May 15, 2009. Figure 3 is a Soil Sample Location and Excavation Area Map displaying the pipeline, leak source, excavation area, confirmation soil sample locations and other site details.

3.2 Excavated Soil Remediation

Excavated soil was staged in a cleared area located south and west of the excavation. Non-impacted near-surface soil collected from within the cleared area was pushed up and used to blend with the impacted soil. Mixing and blending activities continued concurrently with excavation activities.

3.3 Confirmation Soil Sampling – Excavation Areas

Confirmation soil samples collected from the excavation areas were submitted for laboratory analysis for TPH by Method 8015M and BTEX by Method 8021B. Laboratory submitted samples were placed in a new sterile glass container, equipped with a Teflon-lined lid furnished by the laboratory. Samples were labeled, placed on ice, and chilled to a temperature of approximately 4° C. Appropriate chain-of-custody documentation and shipping protocols were followed. The laboratory analytical reports are provided in Appendix C. Table 1 displays the analytical results of confirmation soil samples.

On March 10, 2009, confirmation soil samples were collected from the north, south and west sidewalls of the excavation area. The analytical results of these soil samples indicated TPH and BTEX concentrations were below the NMOCD regulatory standards of 100 mg/Kg and 50 mg/Kg, respectively.

On March 19, 2009, confirmation soil samples were collected from the south and east sidewalls of the excavation area. The analytical results of soil samples identified as South Wall SW-3 and East Wall EW-3 indicated TPH and BTEX concentrations were below the NMOCD regulatory standards of 100 mg/Kg and 50 mg/Kg, respectively. Analytical results on the three remaining samples collected from the east sidewall, identified as East Wall EW-1, EW-2 and EW-4, indicated that TPH concentrations of 310 mg/Kg, 1,072 mg/Kg and 260 mg/Kg, respectively.

On March 31, 2009, the east sidewall area surrounding soil samples East Wall EW-1, EW-2 and EW-4 was excavated further east approximately 10 feet. Confirmation soil samples East Wall 1A, 2A and 4A were collected from the excavation sidewall areas and submitted for laboratory analysis. The analytical results for soil samples East Wall 1A and 2A indicated TPH concentrations of 212 mg/Kg and 848 mg/Kg, respectively. The analytical results for soil sample East Wall 4A indicated a TPH concentration of 102 mg/Kg. In addition, a test trench was excavated to a depth of approximately 15 feet bgs to the east of the SUG line. Based on visual and olfactory observations of the soil within the trench, the soil appeared to be non-impacted. On April 10, 2009, based on the sidewall resample analytical results, Plains requested and was granted approval by the NMOCD to leave the remaining soils beneath the Southern Union Gas line in place due to the support integrity issues.

3.4 Confirmation Soil Sampling – Blended Soil Piles

On November 12, 2008, five composite soil samples (SS-1 through SS-5) were collected from the top one foot of the soil stockpile generated during the 2003 excavation activities and submitted to the laboratory for analysis. The analytical results indicated that BTEX and TPH concentration were below the 1,000 mg/Kg threshold for blended soils. This upper one foot was removed from the existing stockpile and staged in a separate area pending backfilling of the excavation area. The remaining 2003 stockpile was blended with impacted soils from the 2009 excavation area.

From February 16 through March 13, 2009, the estimated 9,000 cubic yards of impacted soil from the 2003 excavation was combined with the 22,500 cubic yards stockpiled soils from the recent excavation activities and were staged in a cleared area to the south and west of the excavation. Non-impacted soil collected from a borrow area west of the stockpiled soil was used to mix with the impacted soil.

On March 12 and 13, 2009, 45 composite soil samples (SS-6 through SS-27D) were collected from the blended soil stockpiles and submitted to the laboratory for analysis. The analytical results indicated the TPH concentration of the stockpile soils ranged from <50 mg/Kg to 757 mg/Kg. Benzene concentrations were less than 0.005 mg/Kg and total BTEX concentrations were below 50 mg/Kg in all stockpile samples.

3.5 Synthetic Liner Placement

Upon receipt of laboratory analytical results indicating all of the identified areas of hydrocarbon impact were below the approved criteria set forth in the work plan for treated soils, preparation for the installation of the synthetic liner installation began as proposed in the workplan to the NMOCD dated June 2006. The exposed groundwater at the floor of the excavation was backfilled with stone material to above the groundwater level. A six-inch layer of non-impacted sand was placed over the entire excavation floor.

On April 8, 2009, the synthetic liner was installed at a depth of approximately 15 feet below ground surface in the excavation by a vendor trained in the proper installation of impermeable liners. Following the synthetic liner installation, an additional six-inch layer of non-impacted sand was placed on top of the liner to protect the liner during backfilling activities. Photographic documentation of the liner installation is provided as Appendix B.

3.6 Backfilling and Surface Restoration

Based on analytical results of laboratory analyzed confirmation soil samples obtained from the excavation areas and remediated soil piles, on April 15, 2009, the NMOCD approved the backfilling of the excavations with remediated soil. On April 16, 2009, upon completion of liner installation activities, backfilling of the excavation commenced. The blended soil stockpile was placed in the excavation in twelve-inch lifts and compacted. A water truck was used to add moisture to the soil to allow for proper compaction. Pursuant to Plains agreement with the Deck Estate, the upper-most three feet was backfilled with non-impacted soil.

On May 15, 2009, backfilling activities were completed and the disturbed area was contoured to reflect the surrounding topography.

4.0 SOIL CLOSURE REQUEST

Plains has completed the activities proposed in the NMOCD approved Addendum to the Soil Closure Proposal dated February 2008, and requests NMOCD approval for soil closure.

A complete (including groundwater) Site Closure Request will be submitted to the NMOCD after eight consecutive quarterly groundwater sampling events have demonstrated BTEX concentrations are below the NMOCD regulatory guidelines.

5.0 LIMITATIONS

NOVA has prepared this Soil Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended. NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report including all exhibits and attachments may not be used by any other party without the express written consent of NOVA and/or Plains.

6.0 DISTRIBUTION

Copy 1:
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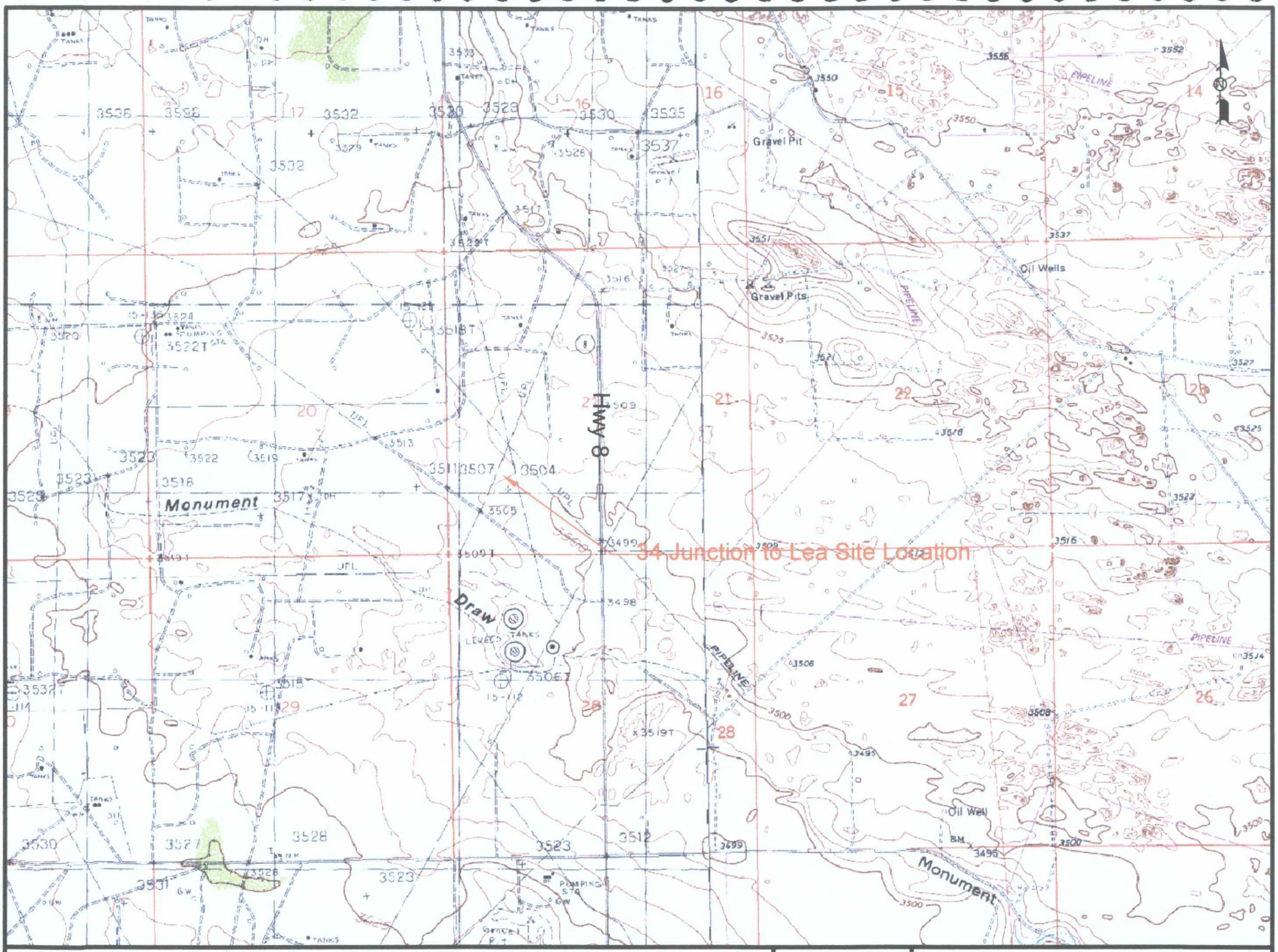
FIGURES



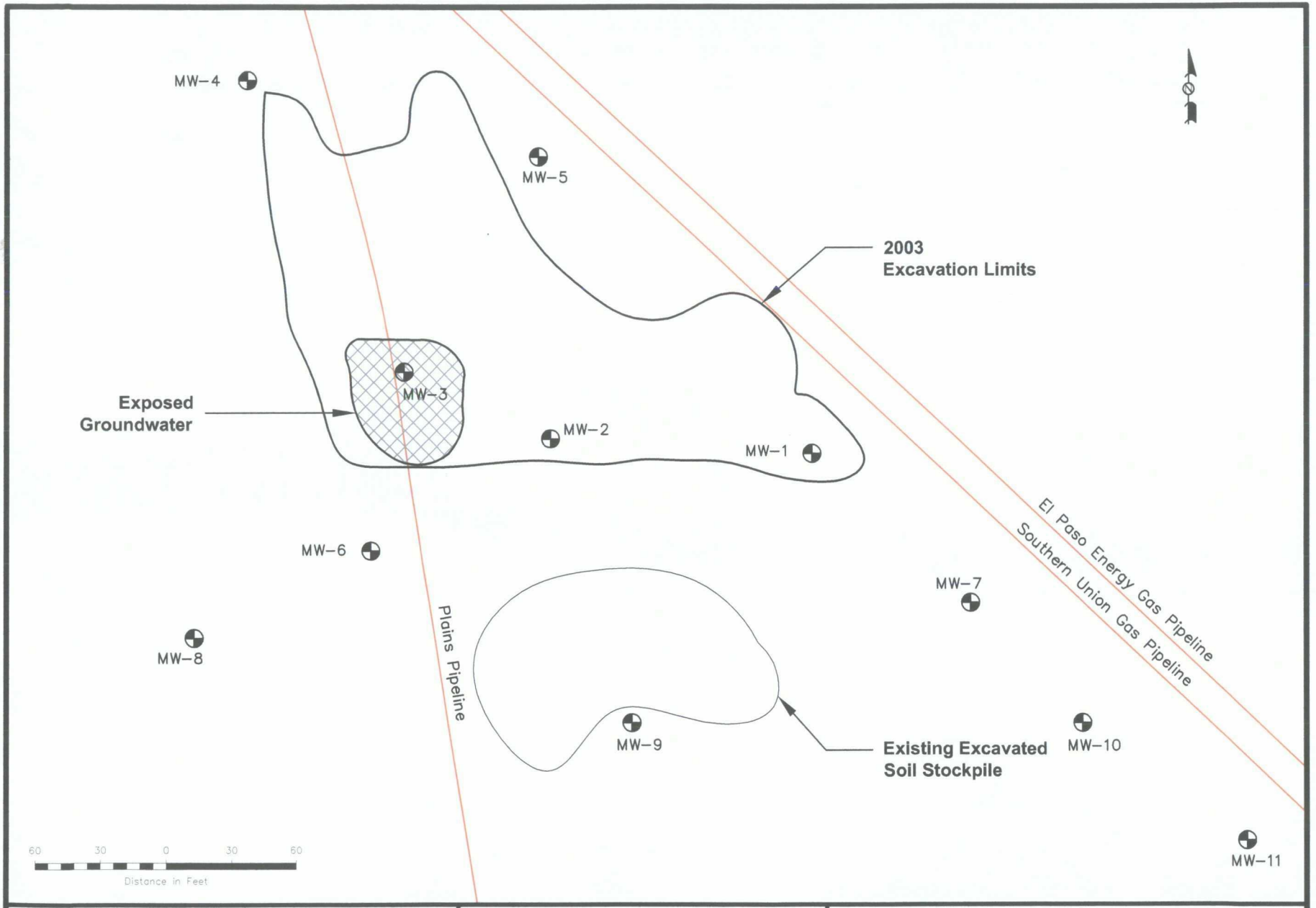
Lat. N32° 33' 18.8"N Long. W103° 15' 39.7"W

NMOCD Reference # 1R-0386

Figure 1
Site Location Map
Plains Marketing, L.P.
34 Junction to Lea
Lea County, NM

NOVA Safety and Environmental

Scale: NTS	Drawn By: CDS	Prepared By: CDS
March 24, 2007	NW1/4 SW1/4 Sec 21 T20S R37E	



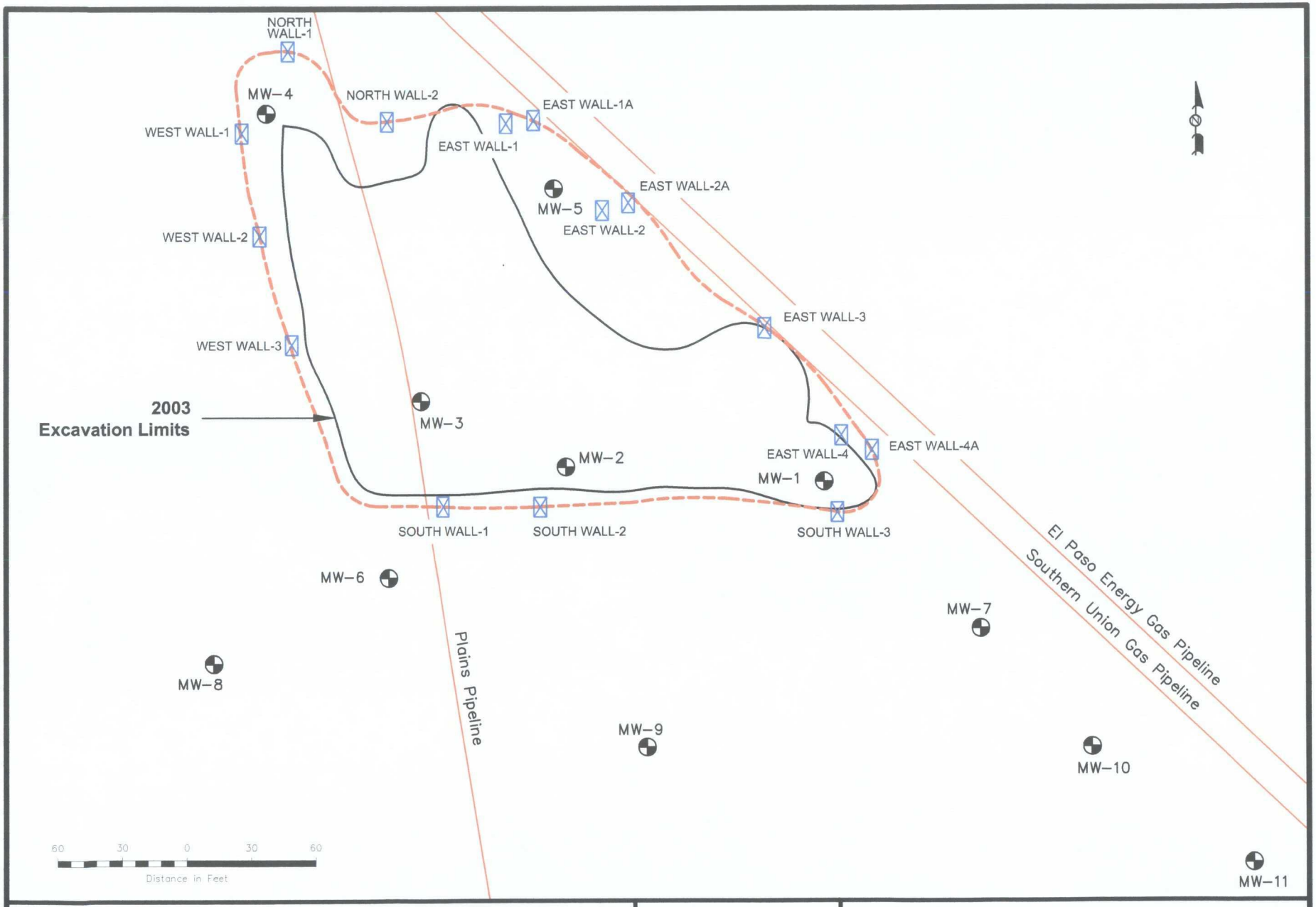
Legend:

- Monitor Well Location
- Pipeline

Figure 2
Site Map
NMOCD Ref# 1R-0386
Plains Marketing, L.P.
34 Junction to Lea
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 60'	Drawn By: SAT	Checked By: RKR
June 25, 2009		



Legend:

- Monitor Well Location
- Pipeline

Figure 3
Soil Sample Location Map
NMOCD Ref# 1R-0386
Plains Marketing, L.P.
34 Junction to Lea
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 60'	Drawn By: SAT	Checked By: RKR
June 25, 2009		

TABLES

TABLE 1

Concentrations of BTEX and TPH in Soil
34 JUNCTION to LEA STATION
Lea County, New Mexico
Plains Pipeline, LP
NMOCD Reference #1R-0386

Sample Location	Sample Date	Sample Depth	Soil Status	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	m,p-Xylenes (mg/Kg)	o-Xylene (mg/Kg)	Total BTEX	GRO C_6-C_{12} (mg/Kg)	DRO >C_{12}-C_{35} (mg/Kg)	Total TPH
NMOCD REGULATORY STANDARD				**10**	-	-	-	-	**50**	-	-	**100**
SEJCT3448033BH1A-8 (MW-1)	03/08/03	8'	In-Situ	<0.020	0.0384	3.37	6.92		10.33	1,040	2,010	**3,050**
SEJCT3448033BH1A-13 (MW-1)	03/08/03	13'	In-Situ	<0.020	<0.020	1.88	3.33		5.21	469	1,000	**1,469**
SEJCT3448033BH1A-18 (MW-1)	03/08/03	18'	In-Situ	0.0206	4.03	4.57	2.45		0.575	383	827	**1,210**
SEJCT3448033BH2A-8 (MW-2)	03/08/03	8'	In-Situ	<0.020	0.127	2.22	4.68		7.03	411	1,450	**1,860**
SEJCT3448033BH2A-13 (MW-2)	03/08/03	13'	In-Situ	0.095	0.180	14.5	22.40		37.2	732	1,280	**2,012**
SEJCT3448033BH2A-18 (MW-2)	03/08/03	18'	In-Situ	0.146	2.080	14.7	23.70		40.6	772	1,480	**2,250**
SEJCT3448033BH3A-8 (MW-3)	03/08/03	8'	In-Situ	0.827	22.70	26.0	39.40		**88.1**	909	2,060	**2,970**
SEJCT3448033BH3A-13 (MW-3)	03/08/03	13'	In-Situ	<0.020	0.143	9.33	11.60		21.1	513	979	**1,490**
SEJCT3448033BH3A-18 (MW-3)	03/08/03	18'	In-Situ	0.022	0.0530	1.33	1.34		2.75	122	230	**352**
SEJCT34061003SP1 (Soil Pile 1)	06/10/03	--	Excavated	0.025	0.043	0.105	0.898		1.070	79.8	240	**320**
SEJCT34061003SP2 (Soil Pile 2)	06/10/03	--	Excavated	0.029	<0.025	0.046	0.145		0.220	95.6	816	**912**
SEJCT34061003SP3 (Soil Pile 3)	06/10/03	--	Excavated	0.041	0.125	0.148	3.560		3.870	315	1,070	**1,390**
SEJCT34061003SP4 (Soil Pile 4)	06/10/03	--	Excavated	0.066	2.080	3.570	19.0		24.716	1,030	2,450	**3,480**
SEJCT34061003SP5 (Soil Pile 5)	06/10/03	--	Excavated	<0.025	<0.025	0.048	0.331		0.379	79.9	517	**597**
LEJ34051304MW5(5')	05/13/04	5'	In-Situ	<0.025	0.0696	0.1120	0.4110	0.1740	0.7666	**300**	**1,660**	**1,960**
LEJ34051304MW5(10')	05/13/04	10'	In-Situ	0.0316	0.3020	2.150	3.120	1.7900	7.3936	**851**	**3,990**	**4,841**
LEJ34051304MW5(15')	05/13/04	15'	In-Situ	<0.025	0.141	0.630	0.966	0.548	2.285	**467**	**2,980.0**	**3,447**
LEJ34051404MW7(15')	05/14/04	15'	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	35.4	35.4
LEJ34051704MW6(10')	05/17/04	10'	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	11.0	11.0
LEJ34051704MW6(15')	05/17/04	15'	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
LEJ34052104MW4(5')	05/21/04	5'	In-Situ	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<5	202	**202**
LEJ34052104MW4(15')	05/21/04	15'	In-Situ	<0.020	<0.020	2.570	4.330	0.045	6.945	**388**	**1,870**	**2,258**
MW-8, 5'-6'	03/16/06	5'-6'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-8, 10'-11'	03/16/06	10'-11'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-8, 15'-16'	03/16/06	15'-16'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-8, 20'-21'	03/16/06	20'-21'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-9, 5'-6'	03/16/06	5'-6'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	57.0	57.0
MW-9, 10'-11'	03/16/06	10'-11'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-9, 15'-16'	03/16/06	15'-16'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-10, 5'-6'	03/16/06	5'-6'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	<10.0	<10.0
MW-10, 10'-11'	03/16/06	10'-11'	In-Situ	<0.001	<0.001	<0.001	<0.002		<0.005	<10.0	574	**574**
MW-10, 15'-16'	03/16/06	15'-16'	In-Situ	0.0595	0.247	1.35	1.37		3.03	31.9	118	**150**

TABLE 1

Concentrations of BTEX and TPH in Soil
34 JUNCTION to LEA STATION
Lea County, New Mexico
Plains Pipeline, LP
NMOCD Reference #1R-0386

Sample Location	Sample Date	Sample Depth	Soil Status	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	m,p-Xylenes (mg/Kg)	o-Xylene (mg/Kg)	Total BTEX	GRO C_6-C_{12} (mg/Kg)	DRO >C_{12}-C_{35} (mg/Kg)	Total TPH
NMOCD REGULATORY STANDARD				**10**	**-**	**-**	**-**	**-**	**50**	**-**	**-**	**100**
Excavation Sidewall Samples												
SW-1	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	19	1,160	**1,179**
SW-3	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	7.23	1,038	**1,045**
SW-6	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	18.5	1,160	**1,178**
SW-8	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	29.1	1,640	**1,669**
SW-10	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	<10.0	<10.0
SW-12	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	7.45	2,330	**2,337**
SW-14	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	33.8	2,580	**2,610**
SW-16	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	160	2,780	**2,940**
SW-19	05/03/06	10'	In-Situ	<0.025	<0.025	0.112	0.619		0.757	799	7,660	**8,460**
SW-20	05/03/06	10'	In-Situ	<0.025	<0.025	0.0204	0.0346		0.0346	207	2,990	**3,197**
SW-22	05/03/06	10'	In-Situ	<0.025	0.0196	0.0875	0.442		0.529	1150	7,550	**8,700**
SW-26	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	66.2	66.2
SW-29	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	232	**232**
SW-31	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	<10.0	<10.0
SW-34	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	50.9	50.9
SW-36	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	13.5	914	**928**
SW-38	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	42	2,740	**2,782**
SW-39	05/03/06	10'	In-Situ	<0.025	<0.025	<0.025	<0.050		<0.125	<10.0	<10.0	<10.0
SW-1A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	**<51.0**
SW-3A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	**2,410**	**2,410**
SW-6A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	**571**	**571**
SW-8A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	92.4	92.4
SW-12A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	**251**	**251**
SW-14A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	**<51.0**
SW-16A 10'	11/12/08	10'	In-Situ	<0.020	<0.020	<0.020	<0.020		<0.020	3.37	**4,710**	**4713.37**
SW-19A 10'	11/12/08	10'	In-Situ	<0.020	<0.020	<0.020	<0.020		<0.020	3.4	**5,050**	**5053.4**
SW-22A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	1.08	**107**	**108.08**
SW-29A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	**<51.0**
SW-38A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	**991**	**991**
SW-36A 10'	11/12/08	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	**<51.0**

TABLE 1

Concentrations of BTEX and TPH in Soil
34 JUNCTION to LEA STATION
Lea County, New Mexico
Plains Pipeline, LP
NMOCD Reference #1R-0386

Sample Location	Sample Date	Sample Depth	Soil Status	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	m,p-Xylenes (mg/Kg)	o-Xylene (mg/Kg)	Total BTEX	GRO C_6-C_{12} (mg/Kg)	DRO >C_{12}-C_{35} (mg/Kg)	Total TPH
NMOCD REGULATORY STANDARD				**10**	-	-	-	-	**50**	-	-	**100**
West Wall-1, 10'	03/10/09	10'	In-Situ	<0.010	<0.010	0.127	0.34		0.467	<1.00	<50.0	<50.0
West Wall-2, 12'	03/10/09	12'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
West Wall-3, 10'	03/10/09	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
North Wall-1, 10'	03/10/09	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
North Wall-2, 10'	03/10/09	10'	In-Situ	<0.010	0.124	<0.010	0.373		0.497	<1.00	<50.0	<50.0
South Wall-1, 12'	03/10/09	12'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
South Wall-2, 12'	03/10/09	12'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
South Wall SW-3	03/19/09	12'	In-Situ	<0.010	0.0773	<0.010	0.186		0.2633	<1.00	103	**103**
East Wall EW-1	03/19/09	11'	In-Situ	<0.020	<0.020	<0.020	<0.020		<0.020	<2.00	310	**310**
East Wall EW-2	03/19/09	12'	In-Situ	<0.010	<0.010	0.224	0.418		0.642	32.6	1040	**1072.6**
East Wall EW-3	03/19/09	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
East Wall EW-4	03/19/09	10'	In-Situ	<0.010	<0.010	<0.010	<0.010		<0.010	1.85	258	**259.85**
East Wall 1A, 12'	03/31/09	12'	Excavated	<0.010	<0.010	<0.010	<0.010		<0.010	1.62	211	**212.62**
East Wall 2A, 12'	03/31/09	12'	Excavated	<0.010	<0.010	<0.010	0.239		0.239	32.5	816	**848.5**
East Wall 4A, 10'	03/31/09	10'	Excavated	<0.010	<0.010	<0.010	<0.010		<0.010	3.26	98.8	**102.06**
Soil Stockpile Samples									**NMOCD Regulatory Standard**			**1,000**
SS-1	11/12/08	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	398	398
SS-2	11/12/08	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	118	118
SS-3	11/12/08	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	639	639
SS-4	11/12/08	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	620	620
SS-5	11/12/08	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	1.54	296	298
SS-6	03/12/09	--	Blended	<0.050	<0.050	<0.050	1.81		1.81	13.7	711	724.7
SS-7A	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	6.62	366	372.6
SS-7B	03/12/09	--	Blended	<0.020	<0.020	<0.020	0.709		0.709	12.2	297	309.2
SS-7C	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.336		0.336	1.5	201	202.5
SS-7D	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	3.72	368	371.7
SS-7E	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.336		0.336	5.63	172	177.6
SS-8	03/12/09	--	Blended	<0.0500	<0.0500	0.671	1.78		2.451	31.1	726	757.1
SS-9	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	69.5	69.5
SS-10A	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	149	149.0
SS-10B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.373		0.373	6.87	399	405.8
SS-11	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	2.54	82.5	85.04
SS-12	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.377		0.377	26.6	438	464.6

TABLE 1

Concentrations of BTEX and TPH in Soil
34 JUNCTION to LEA STATION
Lea County, New Mexico
Plains Pipeline, LP
NMOCD Reference #1R-0386

Sample Location	Sample Date	Sample Depth	Soil Status	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	m,p-Xylenes (mg/Kg)	o-Xylene (mg/Kg)	Total BTEX	GRO C_6-C_{12} (mg/Kg)	DRO >C_{12}-C_{35} (mg/Kg)	Total TPH
NMOCD REGULATORY STANDARD				**10**	**-**	**-**	**-**	**-**	**50**	**-**	**-**	**100**
SS-13	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	2.33	156	158.3
SS-14A	03/12/09	--	Blended	<0.010	<0.010	0.138	0.374		0.512	28.5	463	491.5
SS-14B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.0383		0.0383	35.8	352	387.8
SS-15A	03/12/09	--	Blended	<0.010	<0.010	0.128	0.365		0.493	31.2	380	411.2
SS-15B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.374		0.374	24.5	366	390.5
SS-16A	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	8	242	250.0
SS-16B	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	28.7	319	347.7
SS-17A	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.346		0.346	11.8	224	235.8
SS-17B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.364		0.364	25.1	271	296.1
SS-18A	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.445		0.445	41.5	474	515.5
SS-18B	03/12/09	--	Blended	<0.010	<0.010	0.22	0.569		0.789	75.6	424	499.6
SS-19A	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.361		0.361	35.4	401	436.4
SS-19B	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	10.9	214	224.9
SS-20A	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.35		0.35	13.2	292	305.2
SS-20B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.426		0.426	45.4	335	380.4
SS-21A	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.0100		<0.010	2.16	186	188.2
SS-21B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.372		0.372	9.92	129	138.9
SS-22A	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	70.6	70.6
SS-22B	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	82.2	82.2
SS-23A	03/12/09	--	Blended	<0.010	<0.010	0.13	0.416		0.546	4.1	166	170.1
SS-23B	03/12/09	--	Blended	<0.010	<0.010	<0.010	0.344		0.344	3.44	190	193.4
SS-23C	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	69.2	69.2
SS-23D	03/12/09	--	Blended	<0.010	0.123	0.124	0.382		0.629	15.5	245	260.5
SS-24A	03/12/09	--	Blended	<0.010	0.12	<0.010	<0.010		0.12	1.37	216	217.4
SS-24B	03/12/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	2.65	162	164.7
SS-26A	03/13/09	--	Blended	<0.010	0.172	0.237	0.79		1.199	12.4	156	168.4
SS-26B	03/13/09	--	Blended	<0.010	0.132	0.172	0.626		0.93	9.92	199	208.9
SS-26C	03/13/09	--	Blended	<0.010	<0.010	0.129	0.389		0.518	<1.00	176	176.0
SS-26D	03/13/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	1.41	270	271.4
SS-27A	03/13/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
SS-27B	03/13/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	<50.0	<50.0
SS-27C	03/13/09	--	Blended	<0.010	<0.010	<0.010	<0.010		<0.010	<1.00	55.5	55.5
SS-27D	03/13/09	--	Blended	<0.010	<0.010	<0.010	0.338		0.338	<1.00	62.4	62.4

APPENDICES

APPENDIX A:
Laboratory Analytical Reports and Chain of Custody Records

TRACEANALYSIS, 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 **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

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 19, 2008

Work Order: 8111329

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
179159	SW-1A 10'	soil	2008-11-12	13:49	2008-11-13
179160	SW-3A 10'	soil	2008-11-12	13:55	2008-11-13
179161	SW-6A 10'	soil	2008-11-12	14:01	2008-11-13
179162	SW-8A 10'	soil	2008-11-12	14:05	2008-11-13
179163	SW-12A 10'	soil	2008-11-12	14:10	2008-11-13
179164	SW-14A 10'	soil	2008-11-12	14:14	2008-11-13
179165	SW-16A 10'	soil	2008-11-12	14:20	2008-11-13
179166	SW-19A 10'	soil	2008-11-12	14:23	2008-11-13
179167	SW-22A 10'	soil	2008-11-12	14:32	2008-11-13
179168	SW-29A 10'	soil	2008-11-12	14:36	2008-11-13

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
179169	SW-38A 10'	soil	2008-11-12	14:40	2008-11-13
179170	SW-36A 10'	soil	2008-11-12	14:45	2008-11-13
179171	SS-1	soil	2008-11-12	12:41	2008-11-13
179172	SS-2	soil	2008-11-12	12:48	2008-11-13
179173	SS-3	soil	2008-11-12	12:55	2008-11-13
179174	SS-4	soil	2008-11-12	13:04	2008-11-13
179175	SS-5	soil	2008-11-12	13:12	2008-11-13

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.

This report consists of a total of 34 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2008-11-13 and assigned to work order 8111329. Samples for work order 8111329 were received intact at a temperature of 3.0 deg. C.

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

Test	Method
BTEX	S 8021B
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

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 8111329 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: 179159 - SW-1A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.815	mg/Kg	1	1.00	82	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.800	mg/Kg	1	1.00	80	45.2 - 144.3

Sample: 179159 - SW-1A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	100	152	49.5 - 185

Sample: 179159 - SW-1A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	Prepared By:	AG

continued ...

sample 179159 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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)		1.05	mg/Kg	1	1.00	105	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.795	mg/Kg	1	1.00	80	66 - 142.8

Sample: 179160 - SW-3A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.788	mg/Kg	1	1.00	79	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.810	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 179160 - SW-3A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**2410**	mg/Kg	10	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	764	mg/Kg	10	100	764	49.5 - 185

Sample: 179160 - SW-3A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.820	mg/Kg	1	1.00	82	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.804	mg/Kg	1	1.00	80	66 - 142.8

Sample: 179161 - SW-6A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.816	mg/Kg	1	1.00	82	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.814	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 179161 - SW-6A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

[1]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**571**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	455	mg/Kg	1	100	455	49.5 - 185

Sample: 179161 - SW-6A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		1.03	mg/Kg	1	1.00	103	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.799	mg/Kg	1	1.00	80	66 - 142.8

Sample: 179162 - SW-8A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.888	mg/Kg	1	1.00	89	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.837	mg/Kg	1	1.00	84	45.2 - 144.3

[2]High surrogate recovery due to peak interference.

Sample: 179162 - SW-8A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**92.4**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		153	mg/Kg	1	100	153	49.5 - 185

Sample: 179162 - SW-8A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.994	mg/Kg	1	1.00	99	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.809	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179163 - SW-12A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.828	mg/Kg	1	1.00	83	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.808	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 179163 - SW-12A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**251**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	288	mg/Kg	1	100	288	49.5 - 185

Sample: 179163 - SW-12A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		1.09	mg/Kg	1	1.00	109	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.804	mg/Kg	1	1.00	80	66 - 142.8

Sample: 179164 - SW-14A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	Prepared By:	AG

[3]High surrogate recovery due to peak interference.

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)		0.798	mg/Kg	1	1.00	80	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.833	mg/Kg	1	1.00	83	45.2 - 144.3

Sample: 179164 - SW-14A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		127	mg/Kg	1	100	127	49.5 - 185

Sample: 179164 - SW-14A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		1.08	mg/Kg	1	1.00	108	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.809	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179165 - SW-16A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		<0.0200	mg/Kg	2	0.0100
Xylene		<0.0200	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.57	mg/Kg	2	2.00	78	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.65	mg/Kg	2	2.00	82	45.2 - 144.3

Sample: 179165 - SW-16A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**4710**	mg/Kg	10	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[4]	797	mg/Kg	10	100	797	49.5 - 185

Sample: 179165 - SW-16A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.37**	mg/Kg	2	1.00

[4]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.66	mg/Kg	2	2.00	83	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.65	mg/Kg	2	2.00	82	66 - 142.8

Sample: 179166 - SW-19A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		<0.0200	mg/Kg	2	0.0100
Xylene		<0.0200	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.55	mg/Kg	2	2.00	78	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	2	2.00	82	45.2 - 144.3

Sample: 179166 - SW-19A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**5050**	mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[5]	1080	mg/Kg	20	100	1080	49.5 - 185

Sample: 179166 - SW-19A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

[5]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.40**	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.66	mg/Kg	2	2.00	83	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	2	2.00	82	66 - 142.8

Sample: 179167 - SW-22A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.847	mg/Kg	1	1.00	85	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.894	mg/Kg	1	1.00	89	45.2 - 144.3

Sample: 179167 - SW-22A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**107**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		159	mg/Kg	1	100	159	49.5 - 185

Sample: 179167 - SW-22A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.08**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.997	mg/Kg	1	1.00	100	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.811	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179168 - SW-29A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.797	mg/Kg	1	1.00	80	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.837	mg/Kg	1	1.00	84	45.2 - 144.3

Sample: 179168 - SW-29A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54375	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46514	Sample Preparation:	2008-11-18	Prepared By:	MN

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		142	mg/Kg	1	100	142	49.5 - 185

Sample: 179168 - SW-29A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		1.02	mg/Kg	1	1.00	102	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.806	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179169 - SW-38A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54242	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		0.784	mg/Kg	1	1.00	78	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.811	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 179169 - SW-38A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**991**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[6]	439	mg/Kg	1	100	439	49.5 - 185

Sample: 179169 - SW-38A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54243	Date Analyzed:	2008-11-13	Analyzed By:	AG
Prep Batch:	46406	Sample Preparation:	2008-11-13	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)		1.02	mg/Kg	1	1.00	102	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.812	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179170 - SW-36A 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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

[6]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.813	mg/Kg	1	1.00	81	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.828	mg/Kg	1	1.00	83	45.2 - 144.3

Sample: 179170 - SW-36A 10'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		107	mg/Kg	1	100	107	49.5 - 185

Sample: 179170 - SW-36A 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.921	mg/Kg	1	1.00	92	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.816	mg/Kg	1	1.00	82	66 - 142.8

Sample: 179171 - SS-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.801	mg/Kg	1	1.00	80	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.840	mg/Kg	1	1.00	84	45.2 - 144.3

Sample: 179171 - SS-1

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**398**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[7]	230	mg/Kg	1	100	230	49.5 - 185

Sample: 179171 - SS-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.812	mg/Kg	1	1.00	81	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.815	mg/Kg	1	1.00	82	66 - 142.8

[7] High surrogate recovery due to peak interference.

Sample: 179172 - SS-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

Parameter	Flag	Result	RL	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)		0.858	mg/Kg	1	1.00	86	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.824	mg/Kg	1	1.00	82	45.2 - 144.3

Sample: 179172 - SS-2

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**118**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		139	mg/Kg	1	100	139	49.5 - 185

Sample: 179172 - SS-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.937	mg/Kg	1	1.00	94	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.810	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179173 - SS-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.802	mg/Kg	1	1.00	80	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.832	mg/Kg	1	1.00	83	45.2 - 144.3

Sample: 179173 - SS-3

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**639**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[8]	300	mg/Kg	1	100	300	49.5 - 185

Sample: 179173 - SS-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	Prepared By:	AG

[8]High surrogate recovery due to peak interference.

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)		1.01	mg/Kg	1	1.00	101	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.806	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179174 - SS-4

Laboratory: Midland
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 54290 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | Sample Preparation: 2008-11-14 | 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)		0.821	mg/Kg	1	1.00	82	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.828	mg/Kg	1	1.00	83	45.2 - 144.3

Sample: 179174 - SS-4

Laboratory: Lubbock
Analysis: TPH DRO | Analytical Method: Mod. 8015B | Prep Method: N/A
QC Batch: 54376 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46515 | Sample Preparation: 2008-11-18 | Prepared By: MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**620**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[9]	310	mg/Kg	1	100	310	49.5 - 185

[9]High surrogate recovery due to peak interference.

Sample: 179174 - SS-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	54291	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.939	mg/Kg	1	1.00	94	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.808	mg/Kg	1	1.00	81	66 - 142.8

Sample: 179175 - SS-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	54290	Date Analyzed:	2008-11-14	Analyzed By:	AG
Prep Batch:	46447	Sample Preparation:	2008-11-14	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)		0.786	mg/Kg	1	1.00	79	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.808	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 179175 - SS-5

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	54376	Date Analyzed:	2008-11-18	Analyzed By:	MN
Prep Batch:	46515	Sample Preparation:	2008-11-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**296**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[10]	234	mg/Kg	1	100	234	49.5 - 185

Sample: 179175 - SS-5

Laboratory: Midland
Analysis: TPH GRO | Analytical Method: S 8015B | Prep Method: S 5035
QC Batch: 54291 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | Sample Preparation: 2008-11-14 | Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.54**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	75 - 117.2
4-Bromofluorobenzene (4-BFB)		0.797	mg/Kg	1	1.00	80	66 - 142.8

Method Blank (1) QC Batch: 54242

QC Batch: 54242 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00800	mg/Kg	0.01
Toluene		<0.00800	mg/Kg	0.01
Ethylbenzene		<0.00820	mg/Kg	0.01
Xylene		<0.00960	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.790	mg/Kg	1	1.00	79	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.823	mg/Kg	1	1.00	82	51.9 - 128.1

Method Blank (1) QC Batch: 54243

QC Batch: 54243 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

[10]High surrogate recovery due to peak interference.

Parameter	Flag	MDL Result	Units	RL
GRO		0.791	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.840	mg/Kg	1	1.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)		0.831	mg/Kg	1	1.00	83	70 - 130

Method Blank (1) QC Batch: 54290

QC Batch: 54290 Date Analyzed: 2008-11-14 Analyzed By: AG
Prep Batch: 46447 QC Preparation: 2008-11-14 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00800	mg/Kg	0.01
Toluene		<0.00800	mg/Kg	0.01
Ethylbenzene		<0.00820	mg/Kg	0.01
Xylene		<0.00960	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.775	mg/Kg	1	1.00	78	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.816	mg/Kg	1	1.00	82	51.9 - 128.1

Method Blank (1) QC Batch: 54291

QC Batch: 54291 Date Analyzed: 2008-11-14 Analyzed By: AG
Prep Batch: 46447 QC Preparation: 2008-11-14 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		0.779	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.827	mg/Kg	1	1.00	83	70 - 130
4-Bromofluorobenzene (4-BFB)		0.819	mg/Kg	1	1.00	82	70 - 130

Method Blank (1) QC Batch: 54375

QC Batch: 54375 Date Analyzed: 2008-11-18 Analyzed By: MN
Prep Batch: 46514 QC Preparation: 2008-11-18 Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
DRO		<6.77	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		104	mg/Kg	1	100	104	49.5 - 185

Method Blank (1) QC Batch: 54376

QC Batch: 54376 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46515 | QC Preparation: 2008-11-18 | Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
DRO		<6.77	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		114	mg/Kg	1	100	114	49.5 - 185

Laboratory Control Spike (LCS-1)

QC Batch: 54242 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.891	mg/Kg	1	1.00	<0.00800	89	72.7 - 129.8
Toluene	0.900	mg/Kg	1	1.00	<0.00800	90	71.6 - 129.6
Ethylbenzene	0.890	mg/Kg	1	1.00	<0.00820	89	70.8 - 129.7
Xylene	2.63	mg/Kg	1	3.00	<0.00960	88	70.9 - 129.4

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
Benzene	0.915	mg/Kg	1	1.00	<0.00800	92	72.7 - 129.8	3	20
Toluene	0.913	mg/Kg	1	1.00	<0.00800	91	71.6 - 129.6	1	20
Ethylbenzene	0.911	mg/Kg	1	1.00	<0.00820	91	70.8 - 129.7	2	20
Xylene	2.70	mg/Kg	1	3.00	<0.00960	90	70.9 - 129.4	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
Trifluorotoluene (TFT)	0.809	0.788	mg/Kg	1	1.00	81	79	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.834	0.836	mg/Kg	1	1.00	83	84	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 54243 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.94	mg/Kg	1	10.0	<0.171	79	70 - 130

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	8.34	mg/Kg	1	10.0	<0.171	83	70 - 130	5	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.872	0.872	mg/Kg	1	1.00	87	87	70 - 130
4-Bromofluorobenzene (4-BFB)	0.855	0.853	mg/Kg	1	1.00	86	85	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 54290 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | QC Preparation: 2008-11-14 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.920	mg/Kg	1	1.00	<0.00800	92	72.7 - 129.8
Toluene	0.914	mg/Kg	1	1.00	<0.00800	91	71.6 - 129.6
Ethylbenzene	0.900	mg/Kg	1	1.00	<0.00820	90	70.8 - 129.7
Xylene	2.67	mg/Kg	1	3.00	<0.00960	89	70.9 - 129.4

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
Benzene	0.897	mg/Kg	1	1.00	<0.00800	90	72.7 - 129.8	2	20
Toluene	0.907	mg/Kg	1	1.00	<0.00800	91	71.6 - 129.6	1	20
Ethylbenzene	0.898	mg/Kg	1	1.00	<0.00820	90	70.8 - 129.7	0	20
Xylene	2.66	mg/Kg	1	3.00	<0.00960	89	70.9 - 129.4	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
Trifluorotoluene (TFT)	0.818	0.790	mg/Kg	1	1.00	82	79	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.837	0.846	mg/Kg	1	1.00	84	85	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 54291 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | QC Preparation: 2008-11-14 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.92	mg/Kg	1	10.0	<0.171	79	70 - 130

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	8.19	mg/Kg	1	10.0	<0.171	82	70 - 130	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.858	0.862	mg/Kg	1	1.00	86	86	70 - 130
4-Bromofluorobenzene (4-BFB)	0.851	0.838	mg/Kg	1	1.00	85	84	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 54375 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46514 | QC Preparation: 2008-11-18 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	331	mg/Kg	1	250	<6.77	132	73.9 - 138

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 [11]	352	mg/Kg	1	250	<6.77	141	73.9 - 138	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
n-Triacontane	105	112	mg/Kg	1	100	105	112	49.5 - 185

[11] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Laboratory Control Spike (LCS-1)

QC Batch: 54376 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46515 | QC Preparation: 2008-11-18 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	328	mg/Kg	1	250	<6.77	131	73.9 - 138

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	339	mg/Kg	1	250	<6.77	136	73.9 - 138	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-Triacontane	111	110	mg/Kg	1	100	111	110	49.5 - 185

Matrix Spike (MS-1) Spiked Sample: 179160

QC Batch: 54242 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.938	mg/Kg	1	1.00	<0.00800	94	58.6 - 165.2
Toluene	0.931	mg/Kg	1	1.00	<0.00800	93	64.2 - 153.8
Ethylbenzene	0.959	mg/Kg	1	1.00	<0.00820	96	61.6 - 159.4
Xylene	2.85	mg/Kg	1	3.00	<0.00960	95	64.4 - 155.3

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
Benzene	0.886	mg/Kg	1	1.00	<0.00800	89	58.6 - 165.2	6	20
Toluene	0.883	mg/Kg	1	1.00	<0.00800	88	64.2 - 153.8	5	20
Ethylbenzene	0.897	mg/Kg	1	1.00	<0.00820	90	61.6 - 159.4	7	20
Xylene	2.65	mg/Kg	1	3.00	<0.00960	88	64.4 - 155.3	7	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)	0.821	0.792	mg/Kg	1	1	82	79	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.830	0.812	mg/Kg	1	1	83	81	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 179169

QC Batch: 54243 | Date Analyzed: 2008-11-13 | Analyzed By: AG
Prep Batch: 46406 | QC Preparation: 2008-11-13 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	12.0	mg/Kg	1	10.0	<0.171	120	22.3 - 134.6

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	12.2	mg/Kg	1	10.0	<0.171	122	22.3 - 134.6	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)	1.10	1.07	mg/Kg	1	1	110	107	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	0.839	0.836	mg/Kg	1	1	84	84	66.7 - 134.3

Matrix Spike (MS-1) Spiked Sample: 179175

QC Batch: 54290 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | QC Preparation: 2008-11-14 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.793	mg/Kg	1	1.00	<0.00800	79	58.6 - 165.2
Toluene	0.813	mg/Kg	1	1.00	<0.00800	81	64.2 - 153.8
Ethylbenzene	0.827	mg/Kg	1	1.00	<0.00820	83	61.6 - 159.4
Xylene	2.44	mg/Kg	1	3.00	<0.00960	81	64.4 - 155.3

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
Benzene	0.850	mg/Kg	1	1.00	<0.00800	85	58.6 - 165.2	7	20
Toluene	0.877	mg/Kg	1	1.00	<0.00800	88	64.2 - 153.8	8	20
Ethylbenzene	0.887	mg/Kg	1	1.00	<0.00820	89	61.6 - 159.4	7	20
Xylene	2.62	mg/Kg	1	3.00	<0.00960	87	64.4 - 155.3	7	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)	0.806	0.776	mg/Kg	1	1	81	78	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.814	0.806	mg/Kg	1	1	81	81	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 179175

QC Batch: 54291 | Date Analyzed: 2008-11-14 | Analyzed By: AG
Prep Batch: 46447 | QC Preparation: 2008-11-14 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	12.1	mg/Kg	1	10.0	1.54	106	22.3 - 134.6

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	11.5	mg/Kg	1	10.0	1.54	100	22.3 - 134.6	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)	1.02	0.995	mg/Kg	1	1	102	100	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	0.861	0.848	mg/Kg	1	1	86	85	66.7 - 134.3

Matrix Spike (MS-1) Spiked Sample: 179159

QC Batch: 54375 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46514 | QC Preparation: 2008-11-18 | Prepared By: MN

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	216	mg/Kg	1	250	47.1	68	50.7 - 134

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	250	mg/Kg	1	250	47.1	81	50.7 - 134	15	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	135	142	mg/Kg	1	100	135	142	49.5 - 185

Matrix Spike (MS-1) Spiked Sample: 179172

QC Batch: 54376 | Date Analyzed: 2008-11-18 | Analyzed By: MN
Prep Batch: 46515 | QC Preparation: 2008-11-18 | Prepared By: MN

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	317	mg/Kg	1	250	118	80	50.7 - 134

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	371	mg/Kg	1	250	118	101	50.7 - 134	16	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	131	146	mg/Kg	1	100	131	146	49.5 - 185

Standard (ICV-1)

QC Batch: 54242 Date Analyzed: 2008-11-13 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0950	95	85 - 115	2008-11-13
Toluene		mg/Kg	0.100	0.0952	95	85 - 115	2008-11-13
Ethylbenzene		mg/Kg	0.100	0.0935	94	85 - 115	2008-11-13
Xylene		mg/Kg	0.300	0.276	92	85 - 115	2008-11-13

Standard (CCV-1)

QC Batch: 54242 Date Analyzed: 2008-11-13 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	0.0940	94	85 - 115	2008-11-13
Toluene		mg/Kg	0.100	0.0937	94	85 - 115	2008-11-13
Ethylbenzene		mg/Kg	0.100	0.0910	91	85 - 115	2008-11-13
Xylene		mg/Kg	0.300	0.268	89	85 - 115	2008-11-13

Standard (ICV-1)

QC Batch: 54243 Date Analyzed: 2008-11-13 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.967	97	85 - 115	2008-11-13

Standard (CCV-1)

QC Batch: 54243 Date Analyzed: 2008-11-13 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	85 - 115	2008-11-13

Standard (ICV-1)

QC Batch: 54290 Date Analyzed: 2008-11-14 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0940	94	85 - 115	2008-11-14
Toluene		mg/Kg	0.100	0.0937	94	85 - 115	2008-11-14
Ethylbenzene		mg/Kg	0.100	0.0910	91	85 - 115	2008-11-14
Xylene		mg/Kg	0.300	0.268	89	85 - 115	2008-11-14

Standard (CCV-1)

QC Batch: 54290 Date Analyzed: 2008-11-14 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	0.0923	92	85 - 115	2008-11-14
Toluene		mg/Kg	0.100	0.0907	91	85 - 115	2008-11-14
Ethylbenzene		mg/Kg	0.100	0.0895	90	85 - 115	2008-11-14
Xylene		mg/Kg	0.300	0.262	87	85 - 115	2008-11-14

Standard (ICV-1)

QC Batch: 54291 Date Analyzed: 2008-11-14 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.984	98	85 - 115	2008-11-14

Standard (CCV-1)

QC Batch: 54291 Date Analyzed: 2008-11-14 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	0.938	94	85 - 115	2008-11-14

Standard (CCV-1)

QC Batch: 54375 Date Analyzed: 2008-11-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	272	109	85 - 115	2008-11-18

Standard (CCV-2)

QC Batch: 54375 Date Analyzed: 2008-11-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	85 - 115	2008-11-18

Standard (CCV-3)

QC Batch: 54375 Date Analyzed: 2008-11-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	256	102	85 - 115	2008-11-18

Standard (CCV-1)

QC Batch: 54376 Date Analyzed: 2008-11-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	277	111	85 - 115	2008-11-18

Standard (CCV-2)

QC Batch: 54376 Date Analyzed: 2008-11-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	85 - 115	2008-11-18

LAB Order ID # 8111329 Page 1 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: NOVA | Phone #:

Address: (Street, City, Zip) | Fax #:

Contact Person: Ron Rounsaville | E-mail: rrounsaville@novatraining.cc

Invoice to: (If different from above) PLAINS

Project #: 2002-10286 | Project Name: Junction 34 to LEA STATION

Project Location (including state): LEA Co. NM | Sampler Signature: Ron Rounsaville

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
159	SW-1A, 10'	1	402		X							X		11/12/08	1349
160	SW-3A, 10'	1	"		X							X		"	1355
161	SW-6A, 10'	1	"		X							X		"	1401
162	SW-8A, 10'	1	"		X							X		"	1405
163	SW-12A, 10'	1	"		X							X		"	1410
164	SW-14A, 10'	1	"		X							X		"	1414
165	SW-16A, 10'	1	"		X							X		"	1420
166	SW-19A, 10'	1	"		X							X		"	1423
167	SW-22A, 10'	1	"		X							X		"	1432
168	SW-29A, 10'	1	"		X							X		11/12/08	1436

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021B / 602 / 8260B / 624		
BTEX 8021B / 602 / 8260B / 624	X	
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC	X	
PAH 8270C / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260B / 624		
GC/MS Semi. Vol. 8270C / 625		
PCB's 8082 / 608		
Pesticides 8081A / 608		
BOD, TSS, pH		
Moisture Content		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ron Rounsaville		11/13/08	1030	[illegible]	Trace	11-13-08	10:30	3.0°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY: Intact Y N NA; 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.

Carrier #

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LAB Order ID # 8111329 Page 2 of 2

TraceAnalysis, Inc.

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6701 Aberdeen Avenue, Suite 9
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Tel (817) 201-5260
Fax (817) 560-4336

Company Name: NOVA | Phone #:

Address: (Street, City, Zip) | Fax #:

Contact Person: Ronald Rounsaville | E-mail: rrounsaville@novablasting.com

Invoice to: (If different from above) PLAINS

Project #: 2002-10286 | Project Name: Junction 34 to LEA STATION

Project Location (including state): LEA CO. NM | Sampler Signature: Ronald Rounsaville

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
169	SW-38A, 10'	1	402		X							X		11/12/08	1440
170	SW-36A, 10'	1	"		X							X		"	1445
171	SS-1	1	402		X							X		11/12/08	1241
172	SS-2	1	"		X							X		"	1248
173	SS-3	1	"		X							X		"	1255
174	SS-4	1	"		X							X		"	1304
175	SS-5	1	"		X							X		"	1312

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Ronald Rounsaville		11/13/08	1030	Kyle	True	11-13-08	10:30	3.0°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°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.

Carrier #

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TRACEANALYSIS, INC.
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E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: March 13, 2009

Work Order: 9031139

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
189897	West Wall-1, 10'	soil	2009-03-10	12:08	2009-03-11
189898	West Wall-2, 12'	soil	2009-03-10	12:12	2009-03-11
189899	West Wall-3, 10'	soil	2009-03-10	12:04	2009-03-11
189900	North Wall-1, 10'	soil	2009-03-10	12:16	2009-03-11
189901	North Wall-2, 10'	soil	2009-03-10	12:20	2009-03-11
189902	South Wall-1, 12'	soil	2009-03-10	12:38	2009-03-11
189903	South Wall-2, 12'	soil	2009-03-10	12:42	2009-03-11

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

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2009-03-11 and assigned to work order 9031139. Samples for work order 9031139 were received intact at a temperature of 2.4 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	49197	2009-03-12 at 10:25	57587	2009-03-12 at 10:25
TPH DRO	Mod. 8015B	49181	2009-03-12 at 12:00	57583	2009-03-12 at 13:50
TPH GRO	S 8015B	49197	2009-03-12 at 10:25	57588	2009-03-12 at 10:25

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 9031139 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: 189897 - West Wall-1, 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.127**	mg/Kg	1	0.0100
Xylene		**0.340**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	45.2 - 144.3

Sample: 189897 - West Wall-1, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		56.6	mg/Kg	1	100	57	13.2 - 219.3

Sample: 189897 - West Wall-1, 10'

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

continued ...

sample 189897 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.961	mg/Kg	1	1.00	96	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.933	mg/Kg	1	1.00	93	52 - 117

Sample: 189898 - West Wall-2, 12'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 189898 - West Wall-2, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		54.2	mg/Kg	1	100	54	13.2 - 219.3

Sample: 189898 - West Wall-2, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.919	mg/Kg	1	1.00	92	52 - 117

Sample: 189899 - West Wall-3, 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.998	mg/Kg	1	1.00	100	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	45.2 - 144.3

Sample: 189899 - West Wall-3, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		54.2	mg/Kg	1	100	54	13.2 - 219.3

Sample: 189899 - West Wall-3, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.906	mg/Kg	1	1.00	91	52 - 117

Sample: 189900 - North Wall-1, 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
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)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 189900 - North Wall-1, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		49.4	mg/Kg	1	100	49	13.2 - 219.3

Sample: 189900 - North Wall-1, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.895	mg/Kg	1	1.00	90	52 - 117

Sample: 189901 - North Wall-2, 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.124**	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.373**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 189901 - North Wall-2, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		57.4	mg/Kg	1	100	57	13.2 - 219.3

Sample: 189901 - North Wall-2, 10'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.890	mg/Kg	1	1.00	89	52 - 117

Sample: 189902 - South Wall-1, 12'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		1.01	mg/Kg	1	1.00	101	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 189902 - South Wall-1, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		64.7	mg/Kg	1	100	65	13.2 - 219.3

Sample: 189902 - South Wall-1, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.889	mg/Kg	1	1.00	89	52 - 117

Sample: 189903 - South Wall-2, 12'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	Sample Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.988	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 189903 - South Wall-2, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		59.7	mg/Kg	1	100	60	13.2 - 219.3

Sample: 189903 - South Wall-2, 12'

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.886	mg/Kg	1	1.00	89	52 - 117

Method Blank (1) QC Batch: 57583

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

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

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

Method Blank (1) QC Batch: 57587

QC Batch:	57587	Date Analyzed:	2009-03-12	Analyzed By:	ME
Prep Batch:	49197	QC Preparation:	2009-03-12	Prepared By:	ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.996	mg/Kg	1	1.00	100	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	51.9 - 128.1

Method Blank (1) QC Batch: 57588

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

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

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

Laboratory Control Spike (LCS-1)

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

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

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

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

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

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

Laboratory Control Spike (LCS-1)

QC Batch: 57587 | Date Analyzed: 2009-03-12 | Analyzed By: ME
Prep Batch: 49197 | QC Preparation: 2009-03-12 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	72.7 - 129.8
Toluene	1.07	mg/Kg	1	1.00	<0.00100	107	71.6 - 129.6
Ethylbenzene	1.06	mg/Kg	1	1.00	<0.00110	106	70.8 - 129.7
Xylene	3.19	mg/Kg	1	3.00	<0.00360	106	70.9 - 129.4

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
Benzene	1.12	mg/Kg	1	1.00	<0.00100	112	72.7 - 129.8	5	20
Toluene	1.12	mg/Kg	1	1.00	<0.00100	112	71.6 - 129.6	5	20
Ethylbenzene	1.13	mg/Kg	1	1.00	<0.00110	113	70.8 - 129.7	6	20
Xylene	3.40	mg/Kg	1	3.00	<0.00360	113	70.9 - 129.4	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)	1.00	1.01	mg/Kg	1	1.00	100	101	65.9 - 132
4-Bromofluorobenzene (4-BFB)	1.04	1.03	mg/Kg	1	1.00	104	103	55.2 - 128.9

Laboratory Control Spike (LCS-1)

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

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

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

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

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

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

Matrix Spike (MS-1) Spiked Sample: 189585

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

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

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

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[2]	1520	mg/Kg	1	250	1570	0	35.2 - 167.1	3	20

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

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	[3] [4]	189	182	mg/Kg	1	100	189	182	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 189903

QC Batch: 57587 | Date Analyzed: 2009-03-12 | Analyzed By: ME
Prep Batch: 49197 | QC Preparation: 2009-03-12 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.16	mg/Kg	1	1.00	<0.00100	116	58.6 - 165.2
Toluene	1.17	mg/Kg	1	1.00	<0.00100	117	64.2 - 153.8
Ethylbenzene	1.18	mg/Kg	1	1.00	<0.00110	118	61.6 - 159.4
Xylene	3.55	mg/Kg	1	3.00	<0.00360	118	64.4 - 155.3

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
Benzene	1.16	mg/Kg	1	1.00	<0.00100	116	58.6 - 165.2	0	20
Toluene	1.13	mg/Kg	1	1.00	<0.00100	113	64.2 - 153.8	4	20
Ethylbenzene	1.16	mg/Kg	1	1.00	<0.00110	116	61.6 - 159.4	2	20
Xylene	3.50	mg/Kg	1	3.00	<0.00360	117	64.4 - 155.3	1	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)	0.998	1.03	mg/Kg	1	1	100	103	76 - 127.9
4-Bromofluorobenzene (4-BFB)	1.02	1.02	mg/Kg	1	1	102	102	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 189900

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

[2]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]High surrogate recovery due to peak interference.
[4]High surrogate recovery due to peak interference.

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

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

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

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

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

Standard (CCV-2)

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

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

Standard (CCV-3)

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

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

Standard (CCV-4)

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	221	88	85 - 115	2009-03-12

Standard (ICV-1)

QC Batch: 57587 Date Analyzed: 2009-03-12 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-12
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-12
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-12
Xylene		mg/Kg	0.300	0.322	107	85 - 115	2009-03-12

Standard (CCV-1)

QC Batch: 57587 Date Analyzed: 2009-03-12 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.112	112	85 - 115	2009-03-12
Toluene		mg/Kg	0.100	0.112	112	85 - 115	2009-03-12
Ethylbenzene		mg/Kg	0.100	0.111	111	85 - 115	2009-03-12
Xylene		mg/Kg	0.300	0.333	111	85 - 115	2009-03-12

Standard (ICV-1)

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

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

Standard (CCV-1)

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

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

LAB Order ID # 903139 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: NOVA | Phone #:

Address: (Street, City, Zip) | Fax #:

Contact Person: Ron Rounsaville | E-mail: rrounsaville@novatraining.cc

Invoice to: (If different from above) PLAINS

Project #: SRS # 2002-10286 | Project Name: Junction 34 to LEA

Project Location (including state): LEA County, NM | Sampler Signature: Ron Rounsaville

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
897	WEST WALL-1, 10'	1	4oz		X							X		3/10/09	1208
898	WEST WALL-2, 12'	1			X							X			1212
899	WEST WALL-3, 10'	1			X							X			1204
900	NORTH WALL-1, 10'	1			X							X			1216
901	NORTH WALL-2, 10'	1			X							X			1220
902	South WALL-1, 12'	1			X							X			1238
903	South WALL-2, 12'	1			X							X			1242

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															
	X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ron Rounsaville		3/11/09	1658	RJN-2	Trace	3-11-09	16:58	2.4°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°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.

Carrier # Carry-in

ORIGINAL COPY

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: March 25, 2009

Work Order: 9032005

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
190762	SW-3	soil	2009-03-19	10:50	2009-03-20
190763	EW-1	soil	2009-03-19	10:55	2009-03-20
190764	EW-2	soil	2009-03-19	11:00	2009-03-20
190765	EW-3	soil	2009-03-19	11:05	2009-03-20
190766	EW-4	soil	2009-03-19	11:10	2009-03-20

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

TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2009-03-20 and assigned to work order 9032005. Samples for work order 9032005 were received intact at a temperature of 3.2 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	49429	2009-03-20 at 15:47	57860	2009-03-20 at 15:47
BTEX	S 8021B	49454	2009-03-23 at 11:38	57900	2009-03-23 at 11:38
TPH DRO	Mod. 8015B	49402	2009-03-20 at 10:30	57873	2009-03-25 at 13:40
TPH GRO	S 8015B	49429	2009-03-20 at 15:47	57861	2009-03-20 at 15:47
TPH GRO	S 8015B	49454	2009-03-23 at 11:38	57901	2009-03-23 at 11:38

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 9032005 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: 190762 - SW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57860	Date Analyzed:	2009-03-20	Analyzed By:	ME
Prep Batch:	49429	Sample Preparation:	2009-03-20	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.0773**	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.186**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	1	1.00	97	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.738	mg/Kg	1	1.00	74	45.2 - 144.3

Sample: 190762 - SW-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57873	Date Analyzed:	2009-03-25	Analyzed By:	LD
Prep Batch:	49402	Sample Preparation:	2009-03-20	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**103**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		69.2	mg/Kg	1	100	69	13.2 - 219.3

Sample: 190762 - SW-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57861	Date Analyzed:	2009-03-20	Analyzed By:	ME
Prep Batch:	49429	Sample Preparation:	2009-03-20	Prepared By:	ME

continued ...

sample 190762 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.933	mg/Kg	1	1.00	93	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.666	mg/Kg	1	1.00	67	52 - 117

Sample: 190763 - EW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57900	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		<0.0200	mg/Kg	2	0.0100
Xylene		<0.0200	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.95	mg/Kg	2	2.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.58	mg/Kg	2	2.00	79	45.2 - 144.3

Sample: 190763 - EW-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57873	Date Analyzed:	2009-03-25	Analyzed By:	LD
Prep Batch:	49402	Sample Preparation:	2009-03-20	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**310**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		159	mg/Kg	1	100	159	13.2 - 219.3

Sample: 190763 - EW-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57901	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/Kg	2	2.00	90	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.44	mg/Kg	2	2.00	72	52 - 117

Sample: 190764 - EW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57900	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.224**	mg/Kg	1	0.0100
Xylene		**0.418**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.978	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	45.2 - 144.3

Sample: 190764 - EW-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57873	Date Analyzed:	2009-03-25	Analyzed By:	LD
Prep Batch:	49402	Sample Preparation:	2009-03-20	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**1040**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	100	135	13.2 - 219.3

Sample: 190764 - EW-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57901	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**32.6**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.899	mg/Kg	1	1.00	90	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	52 - 117

Sample: 190765 - EW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57900	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	Result	RL	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)		0.949	mg/Kg	1	1.00	95	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.807	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 190765 - EW-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57873	Date Analyzed:	2009-03-25	Analyzed By:	LD
Prep Batch:	49402	Sample Preparation:	2009-03-20	Prepared By:	LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		89.8	mg/Kg	1	100	90	13.2 - 219.3

Sample: 190765 - EW-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57901	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.740	mg/Kg	1	1.00	74	52 - 117

Sample: 190766 - EW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57900	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

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)		0.955	mg/Kg	1	1.00	96	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.780	mg/Kg	1	1.00	78	45.2 - 144.3

Sample: 190766 - EW-4

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57873	Date Analyzed:	2009-03-25	Analyzed By:	LD
Prep Batch:	49402	Sample Preparation:	2009-03-20	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**258**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		90.6	mg/Kg	1	100	91	13.2 - 219.3

Sample: 190766 - EW-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57901	Date Analyzed:	2009-03-23	Analyzed By:	ME
Prep Batch:	49454	Sample Preparation:	2009-03-23	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.85**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.984	mg/Kg	1	1.00	98	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.704	mg/Kg	1	1.00	70	52 - 117

Method Blank (1) QC Batch: 57860

QC Batch: 57860 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.966	mg/Kg	1	1.00	97	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.813	mg/Kg	1	1.00	81	51.9 - 128.1

Method Blank (1) QC Batch: 57861

QC Batch: 57861 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.909	mg/Kg	1	1.00	91	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.734	mg/Kg	1	1.00	73	56.5 - 109.5

Method Blank (1) QC Batch: 57873

QC Batch: 57873 | Date Analyzed: 2009-03-25 | Analyzed By: LD
Prep Batch: 49402 | QC Preparation: 2009-03-20 | Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		<46.2	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		41.3	mg/Kg	1	100	41	13 - 178.5

Method Blank (1) QC Batch: 57900

QC Batch: 57900 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.951	mg/Kg	1	1.00	95	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.787	mg/Kg	1	1.00	79	51.9 - 128.1

Method Blank (1) QC Batch: 57901

QC Batch: 57901 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.916	mg/Kg	1	1.00	92	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.722	mg/Kg	1	1.00	72	56.5 - 109.5

Laboratory Control Spike (LCS-1)

QC Batch: 57860 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.09	mg/Kg	1	1.00	<0.00100	109	72.7 - 129.8
Toluene	1.06	mg/Kg	1	1.00	<0.00100	106	71.6 - 129.6
Ethylbenzene	1.04	mg/Kg	1	1.00	<0.00110	104	70.8 - 129.7
Xylene	3.06	mg/Kg	1	3.00	<0.00360	102	70.9 - 129.4

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
Benzene	1.08	mg/Kg	1	1.00	<0.00100	108	72.7 - 129.8	1	20
Toluene	1.06	mg/Kg	1	1.00	<0.00100	106	71.6 - 129.6	0	20
Ethylbenzene	1.03	mg/Kg	1	1.00	<0.00110	103	70.8 - 129.7	1	20
Xylene	3.05	mg/Kg	1	3.00	<0.00360	102	70.9 - 129.4	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
Trifluorotoluene (TFT)	0.960	0.981	mg/Kg	1	1.00	96	98	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.844	0.827	mg/Kg	1	1.00	84	83	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 57861 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.04	mg/Kg	1	10.0	<0.482	70	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.02	mg/Kg	1	10.0	<0.482	70	60.5 - 100.1	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.955	0.936	mg/Kg	1	1.00	96	94	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.759	0.764	mg/Kg	1	1.00	76	76	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57873 | Date Analyzed: 2009-03-25 | Analyzed By: LD
Prep Batch: 49402 | QC Preparation: 2009-03-20 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	282	mg/Kg	1	250	<46.2	113	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	295	mg/Kg	1	250	<46.2	118	57.4 - 133.4	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	55.1	57.2	mg/Kg	1	100	55	57	48.5 - 146.7

Laboratory Control Spike (LCS-1)

QC Batch: 57900 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.04	mg/Kg	1	1.00	<0.00100	104	72.7 - 129.8
Toluene	1.06	mg/Kg	1	1.00	<0.00100	106	71.6 - 129.6
Ethylbenzene	1.05	mg/Kg	1	1.00	<0.00110	105	70.8 - 129.7
Xylene	3.10	mg/Kg	1	3.00	<0.00360	103	70.9 - 129.4

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
Benzene	1.08	mg/Kg	1	1.00	<0.00100	108	72.7 - 129.8	4	20
Toluene	1.08	mg/Kg	1	1.00	<0.00100	108	71.6 - 129.6	2	20
Ethylbenzene	1.08	mg/Kg	1	1.00	<0.00110	108	70.8 - 129.7	3	20
Xylene	3.19	mg/Kg	1	3.00	<0.00360	106	70.9 - 129.4	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
Trifluorotoluene (TFT)	0.938	0.936	mg/Kg	1	1.00	94	94	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.819	0.831	mg/Kg	1	1.00	82	83	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 57901 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	6.30	mg/Kg	1	10.0	<0.482	63	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	6.53	mg/Kg	1	10.0	<0.482	65	60.5 - 100.1	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.937	0.933	mg/Kg	1	1.00	94	93	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.764	0.776	mg/Kg	1	1.00	76	78	66.1 - 107.3

Matrix Spike (MS-1) Spiked Sample: 190641

QC Batch: 57860 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.06	mg/Kg	1	1.00	<0.00100	106	58.6 - 165.2
Toluene	1.04	mg/Kg	1	1.00	<0.00100	104	64.2 - 153.8
Ethylbenzene	1.05	mg/Kg	1	1.00	<0.00110	105	61.6 - 159.4
Xylene	3.06	mg/Kg	1	3.00	<0.00360	102	64.4 - 155.3

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
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	58.6 - 165.2	1	20
Toluene	1.05	mg/Kg	1	1.00	<0.00100	105	64.2 - 153.8	1	20
Ethylbenzene	1.06	mg/Kg	1	1.00	<0.00110	106	61.6 - 159.4	1	20
Xylene	3.10	mg/Kg	1	3.00	<0.00360	103	64.4 - 155.3	1	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)	0.952	0.956	mg/Kg	1	1	95	96	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.784	0.764	mg/Kg	1	1	78	76	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 190762

QC Batch: 57861 | Date Analyzed: 2009-03-20 | Analyzed By: ME
Prep Batch: 49429 | QC Preparation: 2009-03-20 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.8	mg/Kg	1	10.0	<0.482	105	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.4	mg/Kg	1	10.0	<0.482	101	12.8 - 175.2	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
Trifluorotoluene (TFT)	0.976	0.965	mg/Kg	1	1	98	96	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.700	0.674	mg/Kg	1	1	70	67	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 190765

QC Batch: 57873 | Date Analyzed: 2009-03-25 | Analyzed By: LD
Prep Batch: 49402 | QC Preparation: 2009-03-20 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [1]	546	mg/Kg	1	250	<46.2	218	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 [2]	244	mg/Kg	1	250	<46.2	98	35.2 - 167.1	76	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane [3]	194	70.7	mg/Kg	1	100	194	71	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 190766

QC Batch: 57900 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.10	mg/Kg	1	1.00	<0.00100	110	58.6 - 165.2
Toluene	1.08	mg/Kg	1	1.00	<0.00100	108	64.2 - 153.8
Ethylbenzene	1.09	mg/Kg	1	1.00	<0.00110	109	61.6 - 159.4
Xylene	3.20	mg/Kg	1	3.00	<0.00360	107	64.4 - 155.3

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

[1] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[3] High surrogate recovery due to peak interference.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.04	mg/Kg	1	1.00	<0.00100	104	58.6 - 165.2	6	20
Toluene	1.06	mg/Kg	1	1.00	<0.00100	106	64.2 - 153.8	2	20
Ethylbenzene	1.07	mg/Kg	1	1.00	<0.00110	107	61.6 - 159.4	2	20
Xylene	3.16	mg/Kg	1	3.00	<0.00360	105	64.4 - 155.3	1	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)	0.967	0.945	mg/Kg	1	1	97	94	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.773	0.786	mg/Kg	1	1	77	79	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 190763

QC Batch: 57901 | Date Analyzed: 2009-03-23 | Analyzed By: ME
Prep Batch: 49454 | QC Preparation: 2009-03-23 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	19.0	mg/Kg	2	20.0	<0.963	95	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	16.5	mg/Kg	2	20.0	<0.963	82	12.8 - 175.2	14	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)	2.00	2.07	mg/Kg	2	2	100	104	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	1.54	1.53	mg/Kg	2	2	77	76	31.3 - 161.7

Standard (CCV-1)

QC Batch: 57860 | Date Analyzed: 2009-03-20 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.112	112	85 - 115	2009-03-20
Toluene		mg/Kg	0.100	0.111	111	85 - 115	2009-03-20
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-20
Xylene		mg/Kg	0.300	0.316	105	85 - 115	2009-03-20

Standard (CCV-2)

QC Batch: 57860 | Date Analyzed: 2009-03-20 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.112	112	85 - 115	2009-03-20
Toluene		mg/Kg	0.100	0.110	110	85 - 115	2009-03-20
Ethylbenzene		mg/Kg	0.100	0.103	103	85 - 115	2009-03-20
Xylene		mg/Kg	0.300	0.305	102	85 - 115	2009-03-20

Standard (CCV-1)

QC Batch: 57861 | Date Analyzed: 2009-03-20 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.893	89	85 - 115	2009-03-20

Standard (CCV-2)

QC Batch: 57861 | Date Analyzed: 2009-03-20 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.902	90	85 - 115	2009-03-20

Standard (CCV-1)

QC Batch: 57873 | Date Analyzed: 2009-03-25 | Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	270	108	85 - 115	2009-03-25

Standard (CCV-2)

QC Batch: 57873 | Date Analyzed: 2009-03-25 | Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	267	107	85 - 115	2009-03-25

Standard (CCV-1)

QC Batch: 57900 Date Analyzed: 2009-03-23 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	85 - 115	2009-03-23
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-23
Ethylbenzene		mg/Kg	0.100	0.105	105	85 - 115	2009-03-23
Xylene		mg/Kg	0.300	0.308	103	85 - 115	2009-03-23

Standard (CCV-2)

QC Batch: 57900 Date Analyzed: 2009-03-23 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-23
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-23
Ethylbenzene		mg/Kg	0.100	0.105	105	85 - 115	2009-03-23
Xylene		mg/Kg	0.300	0.312	104	85 - 115	2009-03-23

Standard (CCV-1)

QC Batch: 57901 Date Analyzed: 2009-03-23 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2009-03-23

Standard (CCV-2)

QC Batch: 57901 Date Analyzed: 2009-03-23 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.878	88	85 - 115	2009-03-23

LAB Order ID # 9032005 Page ____ of ____

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Invoice to: (If different from above) Plains
Project #: SRS# 2002-10286
Project Name: 34 Junction to Lea Station
Project Location (including state): Lea County, NM
Sampler Signature: [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 09	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX (8021B) / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 (GRO / DRO) / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
190762	SW-3	1	4oz		X							X		3-19	1050		X		X															
763	EW-1	↓	↓		↓							↓		↓	1055		↓		↓															
764	EW-2	↓	↓		↓							↓		↓	1100		↓		↓															
765	EW-3	↓	↓		↓							↓		↓	1105		↓		↓															
766	EW-4	↓	↓		↓							↓		↓	1110		↓		↓															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]	NOVA	3-20-09	9:50	Lindsey [signature]	Trace	3/20/09	8:50	3.2

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / (NA)
3.2
Log-in Review

REMARKS:
All tests Midland

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

Carrier # carry in

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

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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

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: April 7, 2009

Work Order: 9040109

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
191707	East Wall 1A, 12'	soil	2009-03-31	13:09	2009-04-01
191708	East Wall 2A, 12'	soil	2009-03-31	13:00	2009-04-01
191709	East Wall 4A, 10'	soil	2009-03-31	13:17	2009-04-01

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 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2009-04-01 and assigned to work order 9040109. Samples for work order 9040109 were received intact at a temperature of 6.8 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	49768	2009-04-03 at 12:57	58270	2009-04-03 at 12:57
TPH DRO	Mod. 8015B	49669	2009-04-01 at 10:00	58173	2009-04-01 at 14:50
TPH GRO	S 8015B	49768	2009-04-03 at 12:57	58271	2009-04-03 at 12:57

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 9040109 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: 191707 - East Wall 1A, 12'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	58270	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

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)		0.931	mg/Kg	1	1.00	93	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.564	mg/Kg	1	1.00	56	45.2 - 144.3

Sample: 191707 - East Wall 1A, 12'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	58173	Date Analyzed:	2009-04-01	Analyzed By:	LD
Prep Batch:	49669	Sample Preparation:	2009-04-01	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**211**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		123	mg/Kg	1	100	123	13.2 - 219.3

Sample: 191707 - East Wall 1A, 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	58271	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

continued ...

sample 191707 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.62**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.981	mg/Kg	1	1.00	98	52 - 117

Sample: 191708 - East Wall 2A, 12'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	58270	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

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		**0.239**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.929	mg/Kg	1	1.00	93	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.649	mg/Kg	1	1.00	65	45.2 - 144.3

Sample: 191708 - East Wall 2A, 12'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	58173	Date Analyzed:	2009-04-01	Analyzed By:	LD
Prep Batch:	49669	Sample Preparation:	2009-04-01	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**816**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	100	204	13.2 - 219.3

Sample: 191708 - East Wall 2A, 12'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	58271	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**32.5**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.16	mg/Kg	1	1.00	116	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	52 - 117

Sample: 191709 - East Wall 4A, 10'

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	58270	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

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)		0.940	mg/Kg	1	1.00	94	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.570	mg/Kg	1	1.00	57	45.2 - 144.3

Sample: 191709 - East Wall 4A, 10'

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	58173	Date Analyzed:	2009-04-01	Analyzed By:	LD
Prep Batch:	49669	Sample Preparation:	2009-04-01	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**98.8**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		173	mg/Kg	1	100	173	13.2 - 219.3

Sample: 191709 - East Wall 4A, 10'

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	58271	Date Analyzed:	2009-04-03	Analyzed By:	ME
Prep Batch:	49768	Sample Preparation:	2009-04-03	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.26**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.19	mg/Kg	1	1.00	119	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.989	mg/Kg	1	1.00	99	52 - 117

Method Blank (1) QC Batch: 58173

QC Batch:	58173	Date Analyzed:	2009-04-01	Analyzed By:	LD
Prep Batch:	49669	QC Preparation:	2009-04-01	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		<46.2	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		99.8	mg/Kg	1	100	100	13 - 178.5

Method Blank (1) QC Batch: 58270

QC Batch: 58270 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.907	mg/Kg	1	1.00	91	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.629	mg/Kg	1	1.00	63	51.9 - 128.1

Method Blank (1) QC Batch: 58271

QC Batch: 58271 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	71.9 - 115
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	45.7 - 118.9

Laboratory Control Spike (LCS-1)

QC Batch: 58173 | Date Analyzed: 2009-04-01 | Analyzed By: LD
Prep Batch: 49669 | QC Preparation: 2009-04-01 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	296	mg/Kg	1	250	<46.2	118	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	288	mg/Kg	1	250	<46.2	115	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-Triacontane	124	126	mg/Kg	1	100	124	126	48.5 - 146.7

Laboratory Control Spike (LCS-1)

QC Batch: 58270 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.988	mg/Kg	1	1.00	<0.00100	99	72.7 - 129.8
Toluene	0.969	mg/Kg	1	1.00	<0.00100	97	71.6 - 129.6
Ethylbenzene	0.943	mg/Kg	1	1.00	<0.00110	94	70.8 - 129.7
Xylene	2.76	mg/Kg	1	3.00	<0.00360	92	70.9 - 129.4

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
Benzene	1.03	mg/Kg	1	1.00	<0.00100	103	72.7 - 129.8	4	20
Toluene	0.978	mg/Kg	1	1.00	<0.00100	98	71.6 - 129.6	1	20
Ethylbenzene	0.974	mg/Kg	1	1.00	<0.00110	97	70.8 - 129.7	3	20
Xylene	2.82	mg/Kg	1	3.00	<0.00360	94	70.9 - 129.4	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.903	0.937	mg/Kg	1	1.00	90	94	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.670	0.643	mg/Kg	1	1.00	67	64	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 58271 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	6.96	mg/Kg	1	10.0	<0.482	70	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.28	mg/Kg	1	10.0	<0.482	73	60.5 - 100.1	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.04	1.04	mg/Kg	1	1.00	104	104	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	1.05	1.04	mg/Kg	1	1.00	105	104	66.1 - 107.3

Matrix Spike (MS-1) Spiked Sample: 191709

QC Batch: 58173 | Date Analyzed: 2009-04-01 | Analyzed By: LD
Prep Batch: 49669 | QC Preparation: 2009-04-01 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	278	mg/Kg	1	250	98.85	72	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 [1]	340	mg/Kg	1	250	98.85	96	35.2 - 167.1	20	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	96.1	103	mg/Kg	1	100	96	103	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 191945

QC Batch: 58270 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.951	mg/Kg	1	1.00	<0.00100	95	58.6 - 165.2
Toluene	0.988	mg/Kg	1	1.00	<0.00100	99	64.2 - 153.8
Ethylbenzene	0.980	mg/Kg	1	1.00	<0.00110	98	61.6 - 159.4
Xylene	2.82	mg/Kg	1	3.00	0.2078	87	64.4 - 155.3

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
Benzene	0.964	mg/Kg	1	1.00	<0.00100	96	58.6 - 165.2	1	20
Toluene	0.980	mg/Kg	1	1.00	<0.00100	98	64.2 - 153.8	1	20

continued ...

[1]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	0.979	mg/Kg	1	1.00	<0.00110	98	61.6 - 159.4	0	20
Xylene	2.86	mg/Kg	1	3.00	0.2078	88	64.4 - 155.3	1	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)		0.923	0.913	mg/Kg	1	1	92	91	76 - 127.9
4-Bromofluorobenzene (4-BFB)	[2] [3]	0.642	0.624	mg/Kg	1	1	64	62	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 191814

QC Batch: 58271 | Date Analyzed: 2009-04-03 | Analyzed By: ME
Prep Batch: 49768 | QC Preparation: 2009-04-03 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	16.8	mg/Kg	1	10.0	5.3994	114	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	14.7	mg/Kg	1	10.0	5.3994	93	12.8 - 175.2	13	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)	1.22	1.19	mg/Kg	1	1	122	119	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	1.15	1.05	mg/Kg	1	1	115	105	31.3 - 161.7

Standard (CCV-1)

QC Batch: 58173 | Date Analyzed: 2009-04-01 | Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	294	118	80 - 120	2009-04-01

[2]Surrogate out due to peak interference.
[3]Surrogate out due to peak interference.

Standard (CCV-2)

QC Batch: 58173 | Date Analyzed: 2009-04-01 | Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	258	103	80 - 120	2009-04-01

Standard (CCV-1)

QC Batch: 58270 | Date Analyzed: 2009-04-03 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0965	96	80 - 120	2009-04-03
Toluene		mg/Kg	0.100	0.0972	97	80 - 120	2009-04-03
Ethylbenzene		mg/Kg	0.100	0.0969	97	80 - 120	2009-04-03
Xylene		mg/Kg	0.300	0.281	94	80 - 120	2009-04-03

Standard (CCV-2)

QC Batch: 58270 | Date Analyzed: 2009-04-03 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	80 - 120	2009-04-03
Toluene		mg/Kg	0.100	0.106	106	80 - 120	2009-04-03
Ethylbenzene		mg/Kg	0.100	0.104	104	80 - 120	2009-04-03
Xylene		mg/Kg	0.300	0.296	99	80 - 120	2009-04-03

Standard (CCV-1)

QC Batch: 58271 | Date Analyzed: 2009-04-03 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.18	118	80 - 120	2009-04-03

Standard (CCV-2)

QC Batch: 58271 | Date Analyzed: 2009-04-03 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.18	118	80 - 120	2009-04-03

LAB Order ID # 9040109 Page 1 of 1

TraceAnalysis, Inc.

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Company Name: NOVA
Phone #:
Address: (Street, City, Zip)
Fax #:
Contact Person: Ron Rounsaville
E-mail: rrounsaville@novatraining.cc
Invoice to: (If different from above) PLAINS
Project #: 2002-10286
Project Name: 34 Junction to Lea STATION
Project Location (including state): LEA CO, NM.
Sampler Signature:

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
101107	EAST WALL 1A, 12'	1	4oz		X							X		3/31/09	1309
108	EAST WALL 2A, 12'	1	}		X							X		}	1300
709	EAST WALL 4A, 10'	1	}		X							X		}	1317

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	X	X	X															
	X	X	X															
	X	X	X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
		04/01/09	0845		NOVA	4.1.9	0845	
	NOVA	4.1.9	930	Lindsey	Trace	4-1-09	9:20	6.8

LAB USE ONLY: Intact Y N; Headspace Y N; 6.8; 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.

Carrier # Carry-in

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TRACEANALYSIS, INC.
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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

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: March 18, 2009

Work Order: 9031324

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
190190	SS-6	soil	2009-03-12	11:27	2009-03-13
190191	SS-7A	soil	2009-03-12	11:32	2009-03-13
190192	SS-7B	soil	2009-03-12	11:35	2009-03-13
190193	SS-7C	soil	2009-03-12	11:39	2009-03-13
190194	SS-7D	soil	2009-03-12	11:43	2009-03-13
190195	SS-7E	soil	2009-03-12	11:48	2009-03-13
190196	SS-8	soil	2009-03-12	11:54	2009-03-13
190197	SS-9	soil	2009-03-12	11:59	2009-03-13
190198	SS-10A	soil	2009-03-12	12:04	2009-03-13
190199	SS-10B	soil	2009-03-12	12:10	2009-03-13

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
190200	SS-11	soil	2009-03-12	12:15	2009-03-13
190201	SS-12	soil	2009-03-12	12:19	2009-03-13
190202	SS-13	soil	2009-03-12	12:24	2009-03-13
190203	SS-14A	soil	2009-03-12	12:29	2009-03-13
190204	SS-14B	soil	2009-03-12	12:34	2009-03-13
190205	SS-15A	soil	2009-03-12	12:39	2009-03-13
190206	SS-15B	soil	2009-03-12	12:44	2009-03-13
190207	SS-16A	soil	2009-03-12	12:50	2009-03-13
190208	SS-16B	soil	2009-03-12	12:55	2009-03-13
190209	SS-17A	soil	2009-03-12	13:01	2009-03-13
190210	SS-17B	soil	2009-03-12	13:05	2009-03-13
190211	SS-18A	soil	2009-03-12	13:10	2009-03-13
190212	SS-18B	soil	2009-03-12	13:14	2009-03-13
190213	SS-19A	soil	2009-03-12	13:18	2009-03-13
190214	SS-19B	soil	2009-03-12	13:24	2009-03-13
190215	SS-20A	soil	2009-03-12	13:30	2009-03-13
190216	SS-20B	soil	2009-03-12	13:35	2009-03-13
190217	SS-21A	soil	2009-03-12	13:40	2009-03-13
190218	SS-21B	soil	2009-03-12	13:45	2009-03-13
190219	SS-22A	soil	2009-03-12	13:49	2009-03-13
190220	SS-22B	soil	2009-03-12	13:55	2009-03-13
190221	SS-23A	soil	2009-03-12	14:00	2009-03-13
190222	SS-23B	soil	2009-03-12	14:06	2009-03-13
190223	SS-23C	soil	2009-03-12	14:10	2009-03-13
190224	SS-23D	soil	2009-03-12	14:15	2009-03-13
190225	SS-24A	soil	2009-03-12	14:20	2009-03-13
190226	SS-24B	soil	2009-03-12	14:25	2009-03-13

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.

This report consists of a total of 65 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2009-03-13 and assigned to work order 9031324. Samples for work order 9031324 were received intact at a temperature of 10.8 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	49239	2009-03-13 at 15:19	57635	2009-03-13 at 15:19
BTEX	S 8021B	49283	2009-03-16 at 10:14	57687	2009-03-16 at 10:14
BTEX	S 8021B	49309	2009-03-17 at 10:05	57721	2009-03-17 at 10:05
TPH DRO	Mod. 8015B	49244	2009-03-16 at 09:00	57661	2009-03-16 at 10:00
TPH DRO	Mod. 8015B	49284	2009-03-17 at 09:00	57719	2009-03-17 at 11:30
TPH DRO	Mod. 8015B	49284	2009-03-17 at 09:00	57723	2009-03-17 at 23:25
TPH GRO	S 8015B	49239	2009-03-13 at 15:19	57636	2009-03-13 at 15:19
TPH GRO	S 8015B	49283	2009-03-16 at 10:14	57688	2009-03-16 at 10:14
TPH GRO	S 8015B	49309	2009-03-17 at 10:05	57722	2009-03-17 at 10:05

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 9031324 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: 190190 - SS-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		<0.0500	mg/Kg	5	0.0100
Xylene		**1.81**	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.96	mg/Kg	5	5.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		4.19	mg/Kg	5	5.00	84	45.2 - 144.3

Sample: 190190 - SS-6

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**711**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		139	mg/Kg	1	100	139	13.2 - 219.3

Sample: 190190 - SS-6

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

continued ...

sample 190190 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**13.7**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.26	mg/Kg	5	5.00	85	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		3.71	mg/Kg	5	5.00	74	52 - 117

Sample: 190191 - SS-7A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.761	mg/Kg	1	1.00	76	45.2 - 144.3

Sample: 190191 - SS-7A

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**366**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		145	mg/Kg	1	100	145	13.2 - 219.3

Sample: 190191 - SS-7A

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**6.62**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.858	mg/Kg	1	1.00	86	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.701	mg/Kg	1	1.00	70	52 - 117

Sample: 190192 - SS-7B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		<0.0200	mg/Kg	2	0.0100
Xylene		**0.709**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	2	2.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.65	mg/Kg	2	2.00	82	45.2 - 144.3

Sample: 190192 - SS-7B

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**297**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		111	mg/Kg	1	100	111	13.2 - 219.3

Sample: 190192 - SS-7B

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**12.2**	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.72	mg/Kg	2	2.00	86	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.54	mg/Kg	2	2.00	77	52 - 117

Sample: 190193 - SS-7C

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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		**0.336**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.990	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.668	mg/Kg	1	1.00	67	45.2 - 144.3

Sample: 190193 - SS-7C

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	B	**201**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		123	mg/Kg	1	100	123	13.2 - 219.3

Sample: 190193 - SS-7C

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.50**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.933	mg/Kg	1	1.00	93	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.608	mg/Kg	1	1.00	61	52 - 117

Sample: 190194 - SS-7D

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.989	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.690	mg/Kg	1	1.00	69	45.2 - 144.3

Sample: 190194 - SS-7D

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**368**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		156	mg/Kg	1	100	156	13.2 - 219.3

Sample: 190194 - SS-7D

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.72**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.966	mg/Kg	1	1.00	97	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.640	mg/Kg	1	1.00	64	52 - 117

Sample: 190195 - SS-7E

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
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		**0.336**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.982	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.742	mg/Kg	1	1.00	74	45.2 - 144.3

Sample: 190195 - SS-7E

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

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	*B*	**172**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		99.4	mg/Kg	1	100	99	13.2 - 219.3

Sample: 190195 - SS-7E

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

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**5.63**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.973	mg/Kg	1	1.00	97	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.705	mg/Kg	1	1.00	70	52 - 117

Sample: 190196 - SS-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		**0.671**	mg/Kg	5	0.0100
Xylene		**1.78**	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.89	mg/Kg	5	5.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		4.30	mg/Kg	5	5.00	86	45.2 - 144.3

Sample: 190196 - SS-8

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**726**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		177	mg/Kg	1	100	177	13.2 - 219.3

Sample: 190196 - SS-8

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**31.1**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.38	mg/Kg	5	5.00	88	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		4.17	mg/Kg	5	5.00	83	52 - 117

Sample: 190197 - SS-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.980	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.751	mg/Kg	1	1.00	75	45.2 - 144.3

Sample: 190197 - SS-9

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	*B*	**69.5**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		95.6	mg/Kg	1	100	96	13.2 - 219.3

Sample: 190197 - SS-9

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.917	mg/Kg	1	1.00	92	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.680	mg/Kg	1	1.00	68	52 - 117

Sample: 190198 - SS-10A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.992	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.757	mg/Kg	1	1.00	76	45.2 - 144.3

Sample: 190198 - SS-10A

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

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO	B	**149**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		105	mg/Kg	1	100	105	13.2 - 219.3

Sample: 190198 - SS-10A

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.989	mg/Kg	1	1.00	99	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.681	mg/Kg	1	1.00	68	52 - 117

Sample: 190199 - SS-10B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
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		**0.373**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.975	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.808	mg/Kg	1	1.00	81	45.2 - 144.3

Sample: 190199 - SS-10B

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**399**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	1	100	129	13.2 - 219.3

Sample: 190199 - SS-10B

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**6.87**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.759	mg/Kg	1	1.00	76	52 - 117

Sample: 190200 - SS-11

Laboratory: Midland
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 57635 | Date Analyzed: 2009-03-13 | Analyzed By: ME
Prep Batch: 49239 | Sample Preparation: 2009-03-13 | Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.984	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.790	mg/Kg	1	1.00	79	45.2 - 144.3

Sample: 190200 - SS-11

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	B	**82.5**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		96.1	mg/Kg	1	100	96	13.2 - 219.3

Sample: 190200 - SS-11

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.54**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.998	mg/Kg	1	1.00	100	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.728	mg/Kg	1	1.00	73	52 - 117

Sample: 190201 - SS-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
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		**0.377**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.982	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.881	mg/Kg	1	1.00	88	45.2 - 144.3

Sample: 190201 - SS-12

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

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**438**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		161	mg/Kg	1	100	161	13.2 - 219.3

Sample: 190201 - SS-12

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

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**26.6**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.880	mg/Kg	1	1.00	88	52 - 117

Sample: 190202 - SS-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.985	mg/Kg	1	1.00	98	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.796	mg/Kg	1	1.00	80	45.2 - 144.3

Sample: 190202 - SS-13

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO	B	**156**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		115	mg/Kg	1	100	115	13.2 - 219.3

Sample: 190202 - SS-13

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

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**2.33**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.985	mg/Kg	1	1.00	98	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.718	mg/Kg	1	1.00	72	52 - 117

Sample: 190203 - SS-14A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		**0.138**		mg/Kg	1	0.0100
Xylene		**0.374**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.996	mg/Kg	1	1.00	100	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.891	mg/Kg	1	1.00	89	45.2 - 144.3

Sample: 190203 - SS-14A

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

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**463**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		142	mg/Kg	1	100	142	13.2 - 219.3

Sample: 190203 - SS-14A

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**28.5**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.881	mg/Kg	1	1.00	88	52 - 117

Sample: 190204 - SS-14B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	Sample Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
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		**0.383**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.989	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.926	mg/Kg	1	1.00	93	45.2 - 144.3

Sample: 190204 - SS-14B

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**352**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	100	135	13.2 - 219.3

Sample: 190204 - SS-14B

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

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**35.8**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.961	mg/Kg	1	1.00	96	52 - 117

Sample: 190205 - SS-15A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.128**	mg/Kg	1	0.0100
Xylene		**0.365**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.937	mg/Kg	1	1.00	94	45.2 - 144.3

Sample: 190205 - SS-15A

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**380**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		114	mg/Kg	1	100	114	13.2 - 219.3

Sample: 190205 - SS-15A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**31.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.931	mg/Kg	1	1.00	93	52 - 117

Sample: 190206 - SS-15B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	Result	RL	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		**0.374**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.949	mg/Kg	1	1.00	95	45.2 - 144.3

Sample: 190206 - SS-15B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**366**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		144	mg/Kg	1	100	144	13.2 - 219.3

Sample: 190206 - SS-15B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**24.5**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.864	mg/Kg	1	1.00	86	52 - 117

Sample: 190207 - SS-16A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.12	mg/Kg	1	1.00	112	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.834	mg/Kg	1	1.00	83	45.2 - 144.3

Sample: 190207 - SS-16A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**242**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		120	mg/Kg	1	100	120	13.2 - 219.3

Sample: 190207 - SS-16A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**8.00**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.741	mg/Kg	1	1.00	74	52 - 117

Sample: 190208 - SS-16B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.12	mg/Kg	1	1.00	112	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.895	mg/Kg	1	1.00	90	45.2 - 144.3

Sample: 190208 - SS-16B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**319**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		98.5	mg/Kg	1	100	98	13.2 - 219.3

Sample: 190208 - SS-16B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**28.7**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.829	mg/Kg	1	1.00	83	52 - 117

Sample: 190209 - SS-17A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.346**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.862	mg/Kg	1	1.00	86	45.2 - 144.3

Sample: 190209 - SS-17A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**224**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		106	mg/Kg	1	100	106	13.2 - 219.3

Sample: 190209 - SS-17A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**11.8**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.776	mg/Kg	1	1.00	78	52 - 117

Sample: 190210 - SS-17B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.364**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.863	mg/Kg	1	1.00	86	45.2 - 144.3

Sample: 190210 - SS-17B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**271**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		99.5	mg/Kg	1	100	100	13.2 - 219.3

Sample: 190210 - SS-17B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**25.1**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.833	mg/Kg	1	1.00	83	52 - 117

Sample: 190211 - SS-18A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.445**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	45.2 - 144.3

Sample: 190211 - SS-18A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**474**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	100	132	13.2 - 219.3

Sample: 190211 - SS-18A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**41.5**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	52 - 117

Sample: 190212 - SS-18B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.220**	mg/Kg	1	0.0100
Xylene		**0.569**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	45.2 - 144.3

Sample: 190212 - SS-18B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**424**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		121	mg/Kg	1	100	121	13.2 - 219.3

Sample: 190212 - SS-18B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**75.6**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)	[1]	1.36	mg/Kg	1	1.00	136	52 - 117

[1]High surrogate recovery due to peak interference.

Sample: 190213 - SS-19A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	Result	RL	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		**0.361**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.947	mg/Kg	1	1.00	95	45.2 - 144.3

Sample: 190213 - SS-19A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**401**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		140	mg/Kg	1	100	140	13.2 - 219.3

Sample: 190213 - SS-19A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**35.4**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.944	mg/Kg	1	1.00	94	52 - 117

Sample: 190214 - SS-19B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.08	mg/Kg	1	1.00	108	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.853	mg/Kg	1	1.00	85	45.2 - 144.3

Sample: 190214 - SS-19B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**214**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		120	mg/Kg	1	100	120	13.2 - 219.3

Sample: 190214 - SS-19B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.9**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.777	mg/Kg	1	1.00	78	52 - 117

Sample: 190215 - SS-20A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.350**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.886	mg/Kg	1	1.00	89	45.2 - 144.3

Sample: 190215 - SS-20A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**292**	mg/Kg	1	50.0

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

Sample: 190215 - SS-20A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**13.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	89	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.816	mg/Kg	1	1.00	82	52 - 117

Sample: 190216 - SS-20B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.426**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	49 - 129.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	45.2 - 144.3

Sample: 190216 - SS-20B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**335**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		124	mg/Kg	1	100	124	13.2 - 219.3

Sample: 190216 - SS-20B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**45.4**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	52 - 117

Sample: 190217 - SS-21A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.846	mg/Kg	1	1.00	85	45.2 - 144.3

Sample: 190217 - SS-21A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**186**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		127	mg/Kg	1	100	127	13.2 - 219.3

Sample: 190217 - SS-21A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.16**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.757	mg/Kg	1	1.00	76	52 - 117

Sample: 190218 - SS-21B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.372**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.865	mg/Kg	1	1.00	86	45.2 - 144.3

Sample: 190218 - SS-21B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**129**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		102	mg/Kg	1	100	102	13.2 - 219.3

Sample: 190218 - SS-21B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**9.92**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.800	mg/Kg	1	1.00	80	52 - 117

Sample: 190219 - SS-22A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.839	mg/Kg	1	1.00	84	45.2 - 144.3

Sample: 190219 - SS-22A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**70.6**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		103	mg/Kg	1	100	103	13.2 - 219.3

Sample: 190219 - SS-22A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.765	mg/Kg	1	1.00	76	52 - 117

Sample: 190220 - SS-22B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.858	mg/Kg	1	1.00	86	45.2 - 144.3

Sample: 190220 - SS-22B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**82.2**	mg/Kg	1	50.0

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

Sample: 190220 - SS-22B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.762	mg/Kg	1	1.00	76	52 - 117

Sample: 190221 - SS-23A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.130**	mg/Kg	1	0.0100
Xylene		**0.416**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	1	1.00	107	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.886	mg/Kg	1	1.00	89	45.2 - 144.3

Sample: 190221 - SS-23A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**166**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	100	132	13.2 - 219.3

Sample: 190221 - SS-23A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**4.10**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.801	mg/Kg	1	1.00	80	52 - 117

Sample: 190222 - SS-23B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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		**0.344**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.882	mg/Kg	1	1.00	88	45.2 - 144.3

Sample: 190222 - SS-23B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**190**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		105	mg/Kg	1	100	105	13.2 - 219.3

Sample: 190222 - SS-23B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.44**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.781	mg/Kg	1	1.00	78	52 - 117

Sample: 190223 - SS-23C

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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)		1.02	mg/Kg	1	1.00	102	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.853	mg/Kg	1	1.00	85	45.2 - 144.3

Sample: 190223 - SS-23C

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**69.2**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		110	mg/Kg	1	100	110	13.2 - 219.3

Sample: 190223 - SS-23C

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.763	mg/Kg	1	1.00	76	52 - 117

Sample: 190224 - SS-23D

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57687	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.123**	mg/Kg	1	0.0100
Ethylbenzene		**0.124**	mg/Kg	1	0.0100
Xylene		**0.382**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.923	mg/Kg	1	1.00	92	45.2 - 144.3

Sample: 190224 - SS-23D

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**245**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		116	mg/Kg	1	100	116	13.2 - 219.3

Sample: 190224 - SS-23D

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57688	Date Analyzed:	2009-03-16	Analyzed By:	ME
Prep Batch:	49283	Sample Preparation:	2009-03-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**15.5**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.863	mg/Kg	1	1.00	86	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.858	mg/Kg	1	1.00	86	52 - 117

Sample: 190225 - SS-24A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.120**	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)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.906	mg/Kg	1	1.00	91	45.2 - 144.3

Sample: 190225 - SS-24A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57719	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**216**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		146	mg/Kg	1	100	146	13.2 - 219.3

Sample: 190225 - SS-24A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.37**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.806	mg/Kg	1	1.00	81	52 - 117

Sample: 190226 - SS-24B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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)		1.09	mg/Kg	1	1.00	109	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.908	mg/Kg	1	1.00	91	45.2 - 144.3

Sample: 190226 - SS-24B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**162**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		112	mg/Kg	1	100	112	13.2 - 219.3

Sample: 190226 - SS-24B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.65**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.816	mg/Kg	1	1.00	82	52 - 117

Method Blank (1) QC Batch: 57635

QC Batch:	57635	Date Analyzed:	2009-03-13	Analyzed By:	ME
Prep Batch:	49239	QC Preparation:	2009-03-13	Prepared By:	ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.989	mg/Kg	1	1.00	99	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.773	mg/Kg	1	1.00	77	51.9 - 128.1

Method Blank (1) QC Batch: 57636

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.865	mg/Kg	1	1.00	86	75.8 - 98.5

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

Method Blank (1) QC Batch: 57661

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

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

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

Method Blank (1) QC Batch: 57687

QC Batch: 57687 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.840	mg/Kg	1	1.00	84	51.9 - 128.1

Method Blank (1) QC Batch: 57688

QC Batch: 57688 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.888	mg/Kg	1	1.00	89	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.750	mg/Kg	1	1.00	75	56.5 - 109.5

Method Blank (1) QC Batch: 57719

QC Batch: 57719 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		127	mg/Kg	1	100	127	13 - 178.5

Method Blank (1) QC Batch: 57721

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.946	mg/Kg	1	1.00	95	51.9 - 128.1

Method Blank (1) QC Batch: 57722

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.893	mg/Kg	1	1.00	89	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.845	mg/Kg	1	1.00	84	56.5 - 109.5

Method Blank (1) QC Batch: 57723

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		133	mg/Kg	1	100	133	13 - 178.5

Laboratory Control Spike (LCS-1)

QC Batch: 57635 | Date Analyzed: 2009-03-13 | Analyzed By: ME
Prep Batch: 49239 | QC Preparation: 2009-03-13 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00100	101	72.7 - 129.8
Toluene	1.01	mg/Kg	1	1.00	<0.00100	101	71.6 - 129.6
Ethylbenzene	1.00	mg/Kg	1	1.00	<0.00110	100	70.8 - 129.7
Xylene	2.96	mg/Kg	1	3.00	<0.00360	99	70.9 - 129.4

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
Benzene	1.06	mg/Kg	1	1.00	<0.00100	106	72.7 - 129.8	5	20
Toluene	1.07	mg/Kg	1	1.00	<0.00100	107	71.6 - 129.6	6	20
Ethylbenzene	1.05	mg/Kg	1	1.00	<0.00110	105	70.8 - 129.7	5	20
Xylene	3.07	mg/Kg	1	3.00	<0.00360	102	70.9 - 129.4	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.988	1.04	mg/Kg	1	1.00	99	104	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.781	0.791	mg/Kg	1	1.00	78	79	55.2 - 128.9

Laboratory Control Spike (LCS-1)

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

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

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

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

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

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

Laboratory Control Spike (LCS-1)

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

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

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

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

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

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

Laboratory Control Spike (LCS-1)

QC Batch: 57687 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.09	mg/Kg	1	1.00	<0.00100	109	72.7 - 129.8
Toluene	1.10	mg/Kg	1	1.00	<0.00100	110	71.6 - 129.6
Ethylbenzene	1.07	mg/Kg	1	1.00	<0.00110	107	70.8 - 129.7
Xylene	3.18	mg/Kg	1	3.00	<0.00360	106	70.9 - 129.4

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
Benzene	1.10	mg/Kg	1	1.00	<0.00100	110	72.7 - 129.8	1	20
Toluene	1.11	mg/Kg	1	1.00	<0.00100	111	71.6 - 129.6	1	20
Ethylbenzene	1.09	mg/Kg	1	1.00	<0.00110	109	70.8 - 129.7	2	20
Xylene	3.27	mg/Kg	1	3.00	<0.00360	109	70.9 - 129.4	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
Trifluorotoluene (TFT)	1.11	1.17	mg/Kg	1	1.00	111	117	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.872	0.890	mg/Kg	1	1.00	87	89	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 57688 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.42	mg/Kg	1	10.0	<0.482	74	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.67	mg/Kg	1	10.0	<0.482	77	60.5 - 100.1	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.912	0.919	mg/Kg	1	1.00	91	92	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.791	0.810	mg/Kg	1	1.00	79	81	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57719 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	227	mg/Kg	1	250	<13.4	91	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	225	mg/Kg	1	250	<13.4	90	57.4 - 133.4	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
n-Triacontane	84.3	82.2	mg/Kg	1	100	84	82	48.5 - 146.7

Laboratory Control Spike (LCS-1)

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.08	mg/Kg	1	1.00	<0.00100	108	72.7 - 129.8
Toluene	1.09	mg/Kg	1	1.00	<0.00100	109	71.6 - 129.6
Ethylbenzene	1.08	mg/Kg	1	1.00	<0.00110	108	70.8 - 129.7
Xylene	3.21	mg/Kg	1	3.00	<0.00360	107	70.9 - 129.4

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
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	72.7 - 129.8	1	20
Toluene	1.10	mg/Kg	1	1.00	<0.00100	110	71.6 - 129.6	1	20
Ethylbenzene	1.10	mg/Kg	1	1.00	<0.00110	110	70.8 - 129.7	2	20
Xylene	3.27	mg/Kg	1	3.00	<0.00360	109	70.9 - 129.4	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.02	1.14	mg/Kg	1	1.00	102	114	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.955	0.967	mg/Kg	1	1.00	96	97	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.86	mg/Kg	1	10.0	<0.482	89	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.24	mg/Kg	1	10.0	<0.482	92	60.5 - 100.1	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.923	0.922	mg/Kg	1	1.00	92	92	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.873	0.867	mg/Kg	1	1.00	87	87	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	257	mg/Kg	1	250	<13.4	103	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	265	mg/Kg	1	250	<13.4	106	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-Triacontane	92.1	95.8	mg/Kg	1	100	92	96	48.5 - 146.7

Matrix Spike (MS-1) Spiked Sample: 190048

QC Batch: 57635 | Date Analyzed: 2009-03-13 | Analyzed By: ME
Prep Batch: 49239 | QC Preparation: 2009-03-13 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.10	mg/Kg	1	1.00	<0.00100	110	58.6 - 165.2
Toluene	1.13	mg/Kg	1	1.00	<0.00100	113	64.2 - 153.8
Ethylbenzene	1.11	mg/Kg	1	1.00	<0.00110	111	61.6 - 159.4

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Xylene	3.30	mg/Kg	1	3.00	<0.00360	110	64.4 - 155.3

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
Benzene	1.09	mg/Kg	1	1.00	<0.00100	109	58.6 - 165.2	1	20
Toluene	1.09	mg/Kg	1	1.00	<0.00100	109	64.2 - 153.8	4	20
Ethylbenzene	1.09	mg/Kg	1	1.00	<0.00110	109	61.6 - 159.4	2	20
Xylene	3.22	mg/Kg	1	3.00	<0.00360	107	64.4 - 155.3	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.00	1.00	mg/Kg	1	1	100	100	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.823	0.797	mg/Kg	1	1	82	80	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 189786

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

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

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

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

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

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

Matrix Spike (MS-1) Spiked Sample: 189778

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

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

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

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

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

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

Matrix Spike (MS-1) Spiked Sample: 190224

QC Batch: 57687 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.13	mg/Kg	1	1.00	<0.00100	113	58.6 - 165.2
Toluene	1.16	mg/Kg	1	1.00	0.1226	104	64.2 - 153.8
Ethylbenzene	1.15	mg/Kg	1	1.00	0.1242	102	61.6 - 159.4
Xylene	3.46	mg/Kg	1	3.00	0.3815	103	64.4 - 155.3

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
Benzene	1.15	mg/Kg	1	1.00	<0.00100	115	58.6 - 165.2	2	20
Toluene	1.17	mg/Kg	1	1.00	0.1226	105	64.2 - 153.8	1	20
Ethylbenzene	1.16	mg/Kg	1	1.00	0.1242	104	61.6 - 159.4	1	20
Xylene	3.55	mg/Kg	1	3.00	0.3815	106	64.4 - 155.3	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.07	1.03	mg/Kg	1	1	107	103	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.918	0.929	mg/Kg	1	1	92	93	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 190223

QC Batch: 57688 | Date Analyzed: 2009-03-16 | Analyzed By: ME
Prep Batch: 49283 | QC Preparation: 2009-03-16 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	11.6	mg/Kg	1	10.0	<0.482	115	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	11.7	mg/Kg	1	10.0	<0.482	116	12.8 - 175.2	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.11	1.08	mg/Kg	1	1	111	108	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.799	0.813	mg/Kg	1	1	80	81	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 190206

QC Batch: 57719 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	567	mg/Kg	1	250	366	80	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	515	mg/Kg	1	250	366	60	35.2 - 167.1	10	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	108	91.7	mg/Kg	1	100	108	92	34.5 - 178.4

Matrix Spike (MS-1) Spiked Sample: 190265

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	58.6 - 165.2
Toluene	1.11	mg/Kg	1	1.00	<0.00100	111	64.2 - 153.8
Ethylbenzene	1.13	mg/Kg	1	1.00	<0.00110	113	61.6 - 159.4

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Xylene	3.38	mg/Kg	1	3.00	0.3381	101	64.4 - 155.3

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
Benzene	1.12	mg/Kg	1	1.00	<0.00100	112	58.6 - 165.2	5	20
Toluene	1.13	mg/Kg	1	1.00	<0.00100	113	64.2 - 153.8	2	20
Ethylbenzene	1.15	mg/Kg	1	1.00	<0.00110	115	61.6 - 159.4	2	20
Xylene	3.43	mg/Kg	1	3.00	0.3381	103	64.4 - 155.3	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)	0.993	1.03	mg/Kg	1	1	99	103	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.898	0.884	mg/Kg	1	1	90	88	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 190269

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.81	mg/Kg	1	10.0	<0.482	78	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO [2]	9.84	mg/Kg	1	10.0	<0.482	98	12.8 - 175.2	23	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)	1.01	1.11	mg/Kg	1	1	101	111	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.821	0.827	mg/Kg	1	1	82	83	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 190226

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

[2]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	370	mg/Kg	1	250	162	83	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	367	mg/Kg	1	250	162	82	35.2 - 167.1	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	97.6	96.5	mg/Kg	1	100	98	96	34.5 - 178.4

Standard (ICV-1)

QC Batch: 57635 Date Analyzed: 2009-03-13 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.110	110	85 - 115	2009-03-13
Toluene		mg/Kg	0.100	0.109	109	85 - 115	2009-03-13
Ethylbenzene		mg/Kg	0.100	0.109	109	85 - 115	2009-03-13
Xylene		mg/Kg	0.300	0.319	106	85 - 115	2009-03-13

Standard (CCV-1)

QC Batch: 57635 Date Analyzed: 2009-03-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-13
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-13
Ethylbenzene		mg/Kg	0.100	0.106	106	85 - 115	2009-03-13
Xylene		mg/Kg	0.300	0.311	104	85 - 115	2009-03-13

Standard (CCV-2)

QC Batch: 57635 Date Analyzed: 2009-03-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-13
Toluene		mg/Kg	0.100	0.106	106	85 - 115	2009-03-13
Ethylbenzene		mg/Kg	0.100	0.106	106	85 - 115	2009-03-13
Xylene		mg/Kg	0.300	0.307	102	85 - 115	2009-03-13

Standard (ICV-1)

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

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

Standard (CCV-1)

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

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

Standard (CCV-2)

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.884	88	85 - 115	2009-03-13

Standard (CCV-1)

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

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

Standard (CCV-2)

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

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

Standard (CCV-3)

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	267	107	85 - 115	2009-03-16

Standard (CCV-4)

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	267	107	85 - 115	2009-03-16

Standard (ICV-1)

QC Batch: 57687 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.101	101	85 - 115	2009-03-16
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2009-03-16
Ethylbenzene		mg/Kg	0.100	0.101	101	85 - 115	2009-03-16
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2009-03-16

Standard (CCV-1)

QC Batch: 57687 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-16
Toluene		mg/Kg	0.100	0.109	109	85 - 115	2009-03-16
Ethylbenzene		mg/Kg	0.100	0.106	106	85 - 115	2009-03-16
Xylene		mg/Kg	0.300	0.314	105	85 - 115	2009-03-16

Standard (CCV-2)

QC Batch: 57687 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-16
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-16
Ethylbenzene		mg/Kg	0.100	0.105	105	85 - 115	2009-03-16
Xylene		mg/Kg	0.300	0.313	104	85 - 115	2009-03-16

Standard (ICV-1)

QC Batch: 57688 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.871	87	85 - 115	2009-03-16

Standard (CCV-1)

QC Batch: 57688 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.940	94	85 - 115	2009-03-16

Standard (CCV-2)

QC Batch: 57688 Date Analyzed: 2009-03-16 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.889	89	85 - 115	2009-03-16

Standard (CCV-1)

QC Batch: 57719 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	220	88	85 - 115	2009-03-17

Standard (CCV-2)

QC Batch: 57719 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	276	110	85 - 115	2009-03-17

Standard (CCV-3)

QC Batch: 57719 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	262	105	85 - 115	2009-03-17

Standard (CCV-4)

QC Batch: 57719 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	226	90	85 - 115	2009-03-17

Standard (ICV-1)

QC Batch: 57721 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	85 - 115	2009-03-17
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-17
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Xylene		mg/Kg	0.300	0.316	105	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57721 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-17
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Xylene		mg/Kg	0.300	0.318	106	85 - 115	2009-03-17

Standard (ICV-1)

QC Batch: 57722 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57722 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.944	94	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57723 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2009-03-17

Standard (CCV-2)

QC Batch: 57723 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	250	100	85 - 115	2009-03-17

LAB Order ID # 4031324

TraceAnalysis, Inc.

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Fax (817) 560-4336

Company Name: NOVA
Phone #:
Address: (Street, City, Zip)
Fax #:
Contact Person: Ron Rounsaville
E-mail: rrounsaville@novatraining.cc
Invoice to: (If different from above) PLAINS
Project #: SRS # 2002-10286
Project Name: 34 JUNCTION to LEA STATION
Project Location (including state): LEA County, NM
Sampler Signature: Randall Rounsaville

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	MTBE 8021B / 602 / 8260B / 624	BTEX (8021B) / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 (GRO / DRO) / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
190190	SS-6	1	4oz		X							X		3/12/09	1127		X		X															
191	SS-7A	1	"		X							X		"	1132		X		X															
192	SS-7B	1	"		X							X		"	1135		X		X															
193	SS-7C	1	"		X							X		"	1139		X		X															
194	SS-7D	1	"		X							X		"	1143		X		X															
195	SS-7E	1	"		X							X		"	1148		X		X															
196	SS-8	1	"		X							X		"	1154		X		X															
197	SS-9	1	"		X							X		"	1159		X		X															
198	SS-10A	1	"		X							X		"	1204		X		X															
199	SS-10B	1	"		X							X		"	1210		X		X															
200	SS-11	1	"		X							X		"	1215		X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Randall Rounsaville		3/13/09	1315	Lindsay	Trace	3/13/09	13:15	10.8

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / (NA)
10.8
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.

Carrier # Carry in

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LAB Order ID # 9031324 Page 2 of 4

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Fax (817) 560-4336

Company Name: NOVA | Phone #:

Address: (Street, City, Zip) | Fax #:

Contact Person: Ronald Rounsaville | E-mail:

Invoice to: (If different from above) PLAINS

Project #: SRS# 2002-10286 | Project Name: 34 JUNCTION TO LEA STATION

Project Location (including state): LEA CO. NM | Sampler Signature: Ronald Rounsaville

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
19020	SS-12	1	4oz		X							X		3/12/09	1219
202	SS-13	1			X							X			1224
203	SS-14A	1			X							X			1229
204	SS-14B	1			X							X			1234
205	SS-15A	1			X							X			1239
206	SS-15B	1			X							X			1244
207	SS-16A	1			X							X			1250
208	SS-16B	1			X							X			1255
209	SS-17A	1			X							X			1301
210	SS-17B	1			X							X			1305

ANALYSIS REQUEST	Turn Around Time if different from standard	Hold
MTBE 8021B / 602 / 8260B / 624	X	
BTEX 8021B / 602 / 8260B / 624	X	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	X	
TPH 8015 GRO / DRO / TVHC	X	
PAH 8270C / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
TCLP Pesticides		
RCI		
GC/MS Vol. 8260B / 624		
GC/MS Semi. Vol. 8270C / 625		
PCB's 8082 / 608		
Pesticides 8081A / 608		
BOD, TSS, pH		
Moisture Content		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ronald Rounsaville		3/13/09	1315	Lindsay Hilla	Trace	3/13/09	13:15	10.8
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
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

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Company Name: NOVA | Phone #:
Address: (Street, City, Zip) | Fax #:
Contact Person: Ronald Rounsaville | E-mail:
Invoice to: (If different from above) PLAINS
Project #: SRS # 2002-10286 | Project Name: 34 JUNCTION to LEA STATION
Project Location (including state): LEA CO, NM | Sampler Signature: [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	MTBE 8021B / 602 / 8260B / 624	BTEX (8021B) / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 (GRO / DRO) / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
190211	SS-18A	1	4oz		X							X		3/12/09	1310		X		X															
212	SS-18B	1			X							X			1314		X		X															
213	SS-19A	1			X							X			1318		X		X															
214	SS-19B	1			X							X			1324		X		X															
215	SS-20A	1			X							X			1330		X		X															
216	SS-20B	1			X							X			1335		X		X															
217	SS-21A	1			X							X			1340		X		X															
218	SS-21B	1			X							X			1345		X		X															
219	SS-22A	1			X							X			1349		X		X															
220	SS-22B	1			X							X			1355		X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]		3/13/09	1315	[signature]	Trace	3/13/09	13:15	10.8

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

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Company Name: NOVA **Phone #:**

Address: (Street, City, Zip) **Fax #:**

Contact Person: RONALD ROUNSAVILLE **E-mail:**

Invoice to: (If different from above) PLAINS

Project #: SRS# 2002-10286 **Project Name:** 34 JUNCTION to LEA STATION

Project Location (including state): LEA CO, NM **Sampler Signature:** [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	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
190221	SS-23 A	1	4oz		X							X		3/12/09	1400		X		X															
222	SS-23 B	1	}		X							X		}	1406		X		X															
223	SS-23 C	1	}		X							X		}	1410		X		X															
224	SS-23 D	1	}		X							X		}	1415		X		X															
225	SS-24 A	1	}		X							X		}	1420		X		X															
226	SS-24 B	1	}		X							X		}	1425		X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]		3/13/09	1315	[signature]	Trace	3/13/09	1315	10.8

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
10.8
Log-in Review

REMARKS: All tests Midland

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

Carrier # Carry-In

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: March 18, 2009

Work Order: 9031332

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
190258	SS-26A	soil	2009-03-13	10:45	2009-03-13
190259	SS-26B	soil	2009-03-13	10:55	2009-03-13
190260	SS-26C	soil	2009-03-13	11:00	2009-03-13
190261	SS-26D	soil	2009-03-13	11:10	2009-03-13
190262	SS-27A	soil	2009-03-13	11:30	2009-03-13
190263	SS-27B	soil	2009-03-13	11:45	2009-03-13
190264	SS-27C	soil	2009-03-13	11:50	2009-03-13
190265	SS-27D	soil	2009-03-13	12:00	2009-03-13

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.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2009-03-13 and assigned to work order 9031332. Samples for work order 9031332 were received intact at a temperature of 15.3 deg. C (straight from field).

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	49309	2009-03-17 at 10:05	57721	2009-03-17 at 10:05
TPH DRO	Mod. 8015B	49284	2009-03-17 at 09:00	57723	2009-03-17 at 23:25
TPH GRO	S 8015B	49309	2009-03-17 at 10:05	57722	2009-03-17 at 10:05

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 9031332 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: 190258 - SS-26A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.172**	mg/Kg	1	0.0100
Ethylbenzene		**0.237**	mg/Kg	1	0.0100
Xylene		**0.790**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.984	mg/Kg	1	1.00	98	45.2 - 144.3

Sample: 190258 - SS-26A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**156**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		93.5	mg/Kg	1	100	94	13.2 - 219.3

Sample: 190258 - SS-26A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

continued ...

sample 190258 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**12.4**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.935	mg/Kg	1	1.00	94	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.979	mg/Kg	1	1.00	98	52 - 117

Sample: 190259 - SS-26B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.132**	mg/Kg	1	0.0100
Ethylbenzene		**0.172**	mg/Kg	1	0.0100
Xylene		**0.626**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.982	mg/Kg	1	1.00	98	45.2 - 144.3

Sample: 190259 - SS-26B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**199**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		110	mg/Kg	1	100	110	13.2 - 219.3

Sample: 190259 - SS-26B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**9.92**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.950	mg/Kg	1	1.00	95	52 - 117

Sample: 190260 - SS-26C

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.129**	mg/Kg	1	0.0100
Xylene		**0.389**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.927	mg/Kg	1	1.00	93	45.2 - 144.3

Sample: 190260 - SS-26C

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**176**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		106	mg/Kg	1	100	106	13.2 - 219.3

Sample: 190260 - SS-26C

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.903	mg/Kg	1	1.00	90	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.839	mg/Kg	1	1.00	84	52 - 117

Sample: 190261 - SS-26D

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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)		1.01	mg/Kg	1	1.00	101	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.905	mg/Kg	1	1.00	90	45.2 - 144.3

Sample: 190261 - SS-26D

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**270**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		123	mg/Kg	1	100	123	13.2 - 219.3

Sample: 190261 - SS-26D

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.41**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.795	mg/Kg	1	1.00	80	52 - 117

Sample: 190262 - SS-27A

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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)		1.02	mg/Kg	1	1.00	102	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.896	mg/Kg	1	1.00	90	45.2 - 144.3

Sample: 190262 - SS-27A

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		91.9	mg/Kg	1	100	92	13.2 - 219.3

Sample: 190262 - SS-27A

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.807	mg/Kg	1	1.00	81	52 - 117

Sample: 190263 - SS-27B

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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)		1.07	mg/Kg	1	1.00	107	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.885	mg/Kg	1	1.00	88	45.2 - 144.3

Sample: 190263 - SS-27B

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		95.9	mg/Kg	1	100	96	13.2 - 219.3

Sample: 190263 - SS-27B

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.793	mg/Kg	1	1.00	79	52 - 117

Sample: 190264 - SS-27C

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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)		0.990	mg/Kg	1	1.00	99	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.882	mg/Kg	1	1.00	88	45.2 - 144.3

Sample: 190264 - SS-27C

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**55.5**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		85.0	mg/Kg	1	100	85	13.2 - 219.3

Sample: 190264 - SS-27C

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	57722	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.14	mg/Kg	1	1.00	114	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.798	mg/Kg	1	1.00	80	52 - 117

Sample: 190265 - SS-27D

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	57721	Date Analyzed:	2009-03-17	Analyzed By:	ME
Prep Batch:	49309	Sample Preparation:	2009-03-17	Prepared By:	ME

Parameter	Flag	Result	RL	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		**0.338**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	49 - 129.7
4-Bromofluorobenzene (4-BFB)		0.892	mg/Kg	1	1.00	89	45.2 - 144.3

Sample: 190265 - SS-27D

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	57723	Date Analyzed:	2009-03-17	Analyzed By:	LD
Prep Batch:	49284	Sample Preparation:	2009-03-17	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**62.4**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		89.7	mg/Kg	1	100	90	13.2 - 219.3

Sample: 190265 - SS-27D

Laboratory: Midland
Analysis: TPH GRO | Analytical Method: S 8015B | Prep Method: S 5035
QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | Sample Preparation: 2009-03-17 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.13	mg/Kg	1	1.00	113	68.5 - 119.4
4-Bromofluorobenzene (4-BFB)		0.804	mg/Kg	1	1.00	80	52 - 117

Method Blank (1) QC Batch: 57721

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00100	mg/Kg	0.01
Toluene		<0.00100	mg/Kg	0.01
Ethylbenzene		<0.00110	mg/Kg	0.01
Xylene		<0.00360	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	65.6 - 130.6
4-Bromofluorobenzene (4-BFB)		0.946	mg/Kg	1	1.00	95	51.9 - 128.1

Method Blank (1) QC Batch: 57722

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.893	mg/Kg	1	1.00	89	75.8 - 98.5
4-Bromofluorobenzene (4-BFB)		0.845	mg/Kg	1	1.00	84	56.5 - 109.5

Method Blank (1) QC Batch: 57723

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		133	mg/Kg	1	100	133	13 - 178.5

Laboratory Control Spike (LCS-1)

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.08	mg/Kg	1	1.00	<0.00100	108	72.7 - 129.8
Toluene	1.09	mg/Kg	1	1.00	<0.00100	109	71.6 - 129.6
Ethylbenzene	1.08	mg/Kg	1	1.00	<0.00110	108	70.8 - 129.7
Xylene	3.21	mg/Kg	1	3.00	<0.00360	107	70.9 - 129.4

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
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	72.7 - 129.8	1	20
Toluene	1.10	mg/Kg	1	1.00	<0.00100	110	71.6 - 129.6	1	20
Ethylbenzene	1.10	mg/Kg	1	1.00	<0.00110	110	70.8 - 129.7	2	20
Xylene	3.27	mg/Kg	1	3.00	<0.00360	109	70.9 - 129.4	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.02	1.14	mg/Kg	1	1.00	102	114	65.9 - 132
4-Bromofluorobenzene (4-BFB)	0.955	0.967	mg/Kg	1	1.00	96	97	55.2 - 128.9

Laboratory Control Spike (LCS-1)

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.86	mg/Kg	1	10.0	<0.482	89	60.5 - 100.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.24	mg/Kg	1	10.0	<0.482	92	60.5 - 100.1	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.923	0.922	mg/Kg	1	1.00	92	92	78.8 - 104.7
4-Bromofluorobenzene (4-BFB)	0.873	0.867	mg/Kg	1	1.00	87	87	66.1 - 107.3

Laboratory Control Spike (LCS-1)

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	257	mg/Kg	1	250	<13.4	103	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	265	mg/Kg	1	250	<13.4	106	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-Triacontane	92.1	95.8	mg/Kg	1	100	92	96	48.5 - 146.7

Matrix Spike (MS-1) Spiked Sample: 190265

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.07	mg/Kg	1	1.00	<0.00100	107	58.6 - 165.2
Toluene	1.11	mg/Kg	1	1.00	<0.00100	111	64.2 - 153.8
Ethylbenzene	1.13	mg/Kg	1	1.00	<0.00110	113	61.6 - 159.4
Xylene	3.38	mg/Kg	1	3.00	0.3381	101	64.4 - 155.3

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
Benzene	1.12	mg/Kg	1	1.00	<0.00100	112	58.6 - 165.2	5	20
Toluene	1.13	mg/Kg	1	1.00	<0.00100	113	64.2 - 153.8	2	20
Ethylbenzene	1.15	mg/Kg	1	1.00	<0.00110	115	61.6 - 159.4	2	20
Xylene	3.43	mg/Kg	1	3.00	0.3381	103	64.4 - 155.3	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)	0.993	1.03	mg/Kg	1	1	99	103	76 - 127.9
4-Bromofluorobenzene (4-BFB)	0.898	0.884	mg/Kg	1	1	90	88	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 190269

QC Batch: 57722 | Date Analyzed: 2009-03-17 | Analyzed By: ME
Prep Batch: 49309 | QC Preparation: 2009-03-17 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.81	mg/Kg	1	10.0	<0.482	78	12.8 - 175.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO [1]	9.84	mg/Kg	1	10.0	<0.482	98	12.8 - 175.2	23	20

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

continued ...

[1]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.01	1.11	mg/Kg	1	1	101	111	60.8 - 132.1
4-Bromofluorobenzene (4-BFB)	0.821	0.827	mg/Kg	1	1	82	83	31.3 - 161.7

Matrix Spike (MS-1) Spiked Sample: 190226

QC Batch: 57723 | Date Analyzed: 2009-03-17 | Analyzed By: LD
Prep Batch: 49284 | QC Preparation: 2009-03-17 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	370	mg/Kg	1	250	162	83	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	367	mg/Kg	1	250	162	82	35.2 - 167.1	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	97.6	96.5	mg/Kg	1	100	98	96	34.5 - 178.4

Standard (ICV-1)

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	85 - 115	2009-03-17
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-17
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Xylene		mg/Kg	0.300	0.316	105	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57721 | Date Analyzed: 2009-03-17 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2009-03-17
Ethylbenzene		mg/Kg	0.100	0.107	107	85 - 115	2009-03-17
Xylene		mg/Kg	0.300	0.318	106	85 - 115	2009-03-17

Standard (CCV-2)

QC Batch: 57721 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	85 - 115	2009-03-17
Toluene		mg/Kg	0.100	0.110	110	85 - 115	2009-03-17
Ethylbenzene		mg/Kg	0.100	0.105	105	85 - 115	2009-03-17
Xylene		mg/Kg	0.300	0.314	105	85 - 115	2009-03-17

Standard (ICV-1)

QC Batch: 57722 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57722 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.944	94	85 - 115	2009-03-17

Standard (CCV-2)

QC Batch: 57722 Date Analyzed: 2009-03-17 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.895	90	85 - 115	2009-03-17

Standard (CCV-1)

QC Batch: 57723 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2009-03-17

Standard (CCV-2)

QC Batch: 57723 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	250	100	85 - 115	2009-03-17

Standard (CCV-3)

QC Batch: 57723 Date Analyzed: 2009-03-17 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	242	97	85 - 115	2009-03-17

LAB Order ID # 4031332

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296

5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313

200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: NOVA
Phone #:
Address: (Street, City, Zip)
Fax #:
Contact Person: RON Rounsaville
E-mail: RRounsaville@NovaTraing.cc
Invoice to: (If different from above) Plains
34 Junction to Lea Station
Project #: SRS #2002-10286
Project Name:
Project Location (including state): LEA County N.M.
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
190258	SS-26A	1	4oz		X							X		3/13/09	1045		X		X															
259	SS-26B	1			X							X			1055		X		X															
260	SS-26C	1			X							X			1000		X		X															
261	SS-26D	1			X							X			1110		X		X															
262	SS-27A	1			X							X			1130		X		X															
263	SS-27B	1			X							X			1145		X		X															
264	SS-27C	1			X							X			1150		X		X															
265	SS-27D	1			X							X			1200		X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]	Nova	3/13/09	245	Lindsey [signature]	Trace	3/13/09	14:45	15.3
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact Y
Headspace Y / N / NA
15.3
Log-in Review

REMARKS: Straight from field
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.

Carrier # carry-in

ORIGINAL COPY

APPENDIX B:
Photographic Documentation

NOVA
safety and environmental

Photographic Documentation

Client: Plains Marketing, L.P.
Location: Lea County, New Mexico

Project Name: 34 Junction to Lea Station
Photographer: Mike Holmes

Photograph No. 1

Direction: Northwest

Description: View of the synthetic Liner Installation within the northwest portion of the excavation area.

Photograph No. 2

Direction: Northeast

Description: Synthetic Liner Installation within the northeastern portion of the excavation area.

NOVA
safety and environmental

Photographic Documentation

Client: Plains Marketing, L.P.
Location: Lea County, New Mexico

Project Name: 34 Junction to Lea Station
Photographer: Mike Holmes

Photograph No. 3

Direction: East

Description: Synthetic Liner Installation within the eastern portion of the excavation area.

Photograph No. 4

Direction: Southeast

Description: Synthetic Liner Installation within the southeastern portion of the excavation area.

NOVA
safety and environmental

Photographic Documentation

Client: Plains Marketing, L.P.
Location: Lea County, New Mexico

Project Name: 34 Junction to Lea Station
Photographer: Mike Holmes

Photograph No. 5

Direction: Northwest

Description:
Installation of liner cushion sand within northwestern portion of excavation.

Photograph No. 6

Direction: North

Description: Installation of liner cushion sand within central portion of excavation.

APPENDIX C:
Notification of Release and Corrective Action
(Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **EOTT Energy LLC**	Contact **Frank Hernandez**
Address PO Box 1660 5805 East Highway 80 Midland, Texas 79702	Telephone No. 915.638.3799
Facility Name Juction JCT 34 Line to Lea #2002-10286	Facility Type 10" Steel Pipeline

Surface Owner Deck Estate	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 32' 20.828"N Lon. 103 15' 38.480"W
21	21	T20S	R37E					

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 300 bbls barrels	Volume Recovered 190 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 11-06-02 @ 11:00 AM	Date and Hour of Discovery 11-6-02 @ 4:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheeley	
By Whom? Pat McCasland, EPI	Date and Hour 11-07-02 @ 6:30 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Pipe repair clamp installed.

Describe Area Affected and Cleanup Action Taken.*
Site will be delineated and a remediation plan developed. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

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: Frank Hernandez	**OIL CONSERVATION DIVISION** Approved by District Supervisor:	
Printed Name: Frank Hernandez		
Title: District Environmental Supervisor	Approval Date:	Expiration Date:
Date: 9-10-02 Phone: 915.638.3799	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary

Hansen, Edward J., EMNRD

From: Jason Henry [JHenry@paalp.com]
Sent: Thursday, October 22, 2009 8:22 AM
To: Hansen, Edward J., EMNRD
Subject: Re-seeding documentation for Plains Junction 34 to Lea Station site (1R-0386)
Attachments: Junction 34 to Lea Reeseeding 06-16-09.jpg; Jct. 34 to Lea Seed tag.pdf

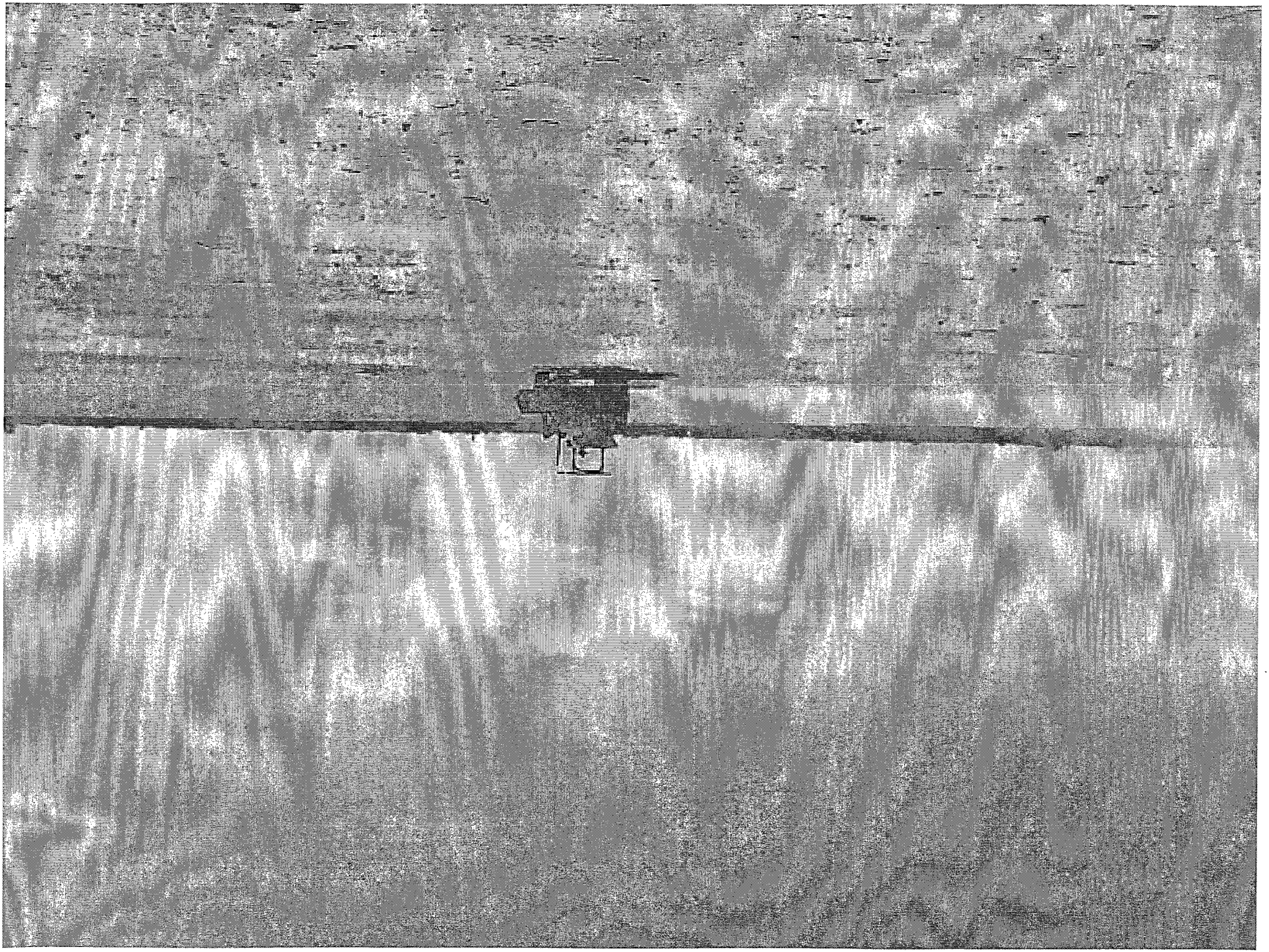
Ed,

Basin Environmental personnel re-seeded the Junction 34 to Lea Station site on 06/16/2009 with BLM #2 seed mix as per landowner request. I have attached a copy of the seed tag and a photograph that was taken during re-seeding activities at the site.

Please let me know if you have any questions or need more information.

Thank you,
Jason Henry
575-441-1099

This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.



Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 575-762-4759

002

Basin Environmental
BLM #2 FLUFFY SEED BOX MIX
1 – 2 Acre Bag @ 22.12 Bulk Pound Bags

Lot# M-8498

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Sand Bluestem Woodward	Texas	19.58%	39.00%	34.00%	93.00%	01/08	15.00
Little Bluestem Not Stated	Oklahoma	58.71%	62.00%	15.00%	77.00%	01/08	25.00

Other Crop: 00.95%
Weed Seed: 00.16%
Inert Matter: 20.60%

There Are 1 Bag For This Mix
This Bag Weighs 22.12 Bulk Pounds
Use this bag for 2 Acres

Total Bulk Pounds: 55.30

10/16/2008 14:03 FAX