1R - 404

REPORTS

DATE:

Sept. 2008

SOIL CLOSURE REQUEST

LEA STATION TO MONUMENT 6-INCH

NE ¼, SE ¼, SECTION 5, TOWNSHIP 20 SOUTH, RANGE 37 EAST
MONUMENT, NEW MEXICO
PLAINS SRS NUMBER: 2001-11056
NMOCD REF 1R-0404

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

September 2008

Ronald K. Rounsaville
Project Manager

Todd K. Choban, P.G.
Vice President, Technical Services

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 site is located approximately 1.5 miles south of the town of Monument, New Mexico, in the NE ¼ of the SE ¼ of Section 5, Township 20 South, and Range 37 East. The crude oil release occurred on August 3, 2001 and was estimated as three barrels, with none recovered. The release resulted in a surface stained area which measuring approximately 175 feet in length by 50 feet in width. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains. For reference, a site location and site map are provided as Figures 1 and 2, respectively. The Release Notification and Corrective Action (Form C-141) is included as Appendix D.

Emergency response activities consisted of immediately excavating around the pipeline in the release area, locating the leak point and repairing the line. On September 20 and 21, 2001, initial site activities consisted of excavation of highly contaminated/saturated soil to a depth of approximately three feet below ground surface (bgs). Approximately 3,200 cubic yards of impacted soil was stockpiled to the west of the excavation area. A Site Map depicting the site features is presented as Figure 2.

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.

On February 19, 2008, Plains received approval from the NMOCD to commence the activities outlined in the Work Plan (Appendix A). This Soil Closure Request details the results of the NMOCD approved activities completed at the site.

Documentation previously submitted to the NMOCD will not be included in this Soil Closure Request.

2.0 NMOCD SITE CLASSIFICATION

The depth to groundwater in the on-site area 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 proposed that if hydrocarbon impact exceeding NMOCD cleanup standards existed in the soil below 15 feet in depth, then a synthetic liner would be installed in the excavation over the area exceeding the cleanup standards. Impacted

excavated soil from the surface to 15 feet bgs 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, excavation of the impacted soils in the area of the release began on April 8, 2008. An excavator was utilized to remove impacted soil from the floor and sidewalls of two original excavation areas. The excavated soil was stockpiled on-site, pending laboratory analysis. As excavation activities progressed, soil samples were collected from the floor and sidewalls of the northern and southern excavation areas. Based on visual and olfactory observations, the final dimensions of the northern excavation area were approximately 165 feet in length (north to south) by 50 feet in width (east to west) and averaged approximately 15 feet below ground surface (bgs). The southern excavation measured approximately 20 feet in length (east-west) by 20 feet in width (north-south) and averaged approximately 8 feet bgs. An estimated 4,300 cubic yards of soil was brought to surface and combined with the existing 3,200 cubic yard soil stockpile excavated during the June 2001 emergency abatement activities for onsite remediation by mixing, blending and aeration methods. Excavation activities were completed on April 28, 2008. Figure 3 is a site details 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 large cleared area located west of the excavations. 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 April 11 and 16, 2008, confirmation soil samples were collected from the floor and sidewalls of the Northern and Southern excavation areas. 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, with the exception of the soil samples collected from the northern excavation area at locations identified as S. Floor, 15 ft. and S. Wall-1, 12 ft. The

analytical results for soil sample S. Floor, 15 ft. indicated the total petroleum hydrocarbon (TPH) concentration was 228.6 mg/Kg. The analytical results for soil sample S. Wall-1, 12 ft. indicated the TPH concentration was 642 mg/Kg.

On April 23, 2008, the area surrounding soil sample S. Wall-1, 12 ft. was excavated further to the south approximately 12 feet. Confirmation soil sample S. Wall-2, 14 ft. was collected from the excavation sidewall and submitted for laboratory analysis. The analytical results for soil sample S. Wall-2, 14 ft. indicated the TPH concentration was 1,938 mg/Kg.

On April 28, 2008, upon receipt of initial analytical results, the area surrounding soil sample S. Wall-2, 14 ft. was excavated approximately 15 feet further to the south. Four additional confirmation soil samples, including a sample identified as South Wall-4, 13 ft., were collected from the south end of the north excavation area. The analytical results of these soil samples indicated TPH and BTEX concentrations were below the NMOCD regulatory standards.

3.4 Confirmation Soil Sampling – Blended Soil Piles

From April 29 through May 13, 2008, the estimated 3,200 cubic yards of impacted soil from the 2001 excavation combined with the 4,300 cubic yards stockpiled soils from the two excavation areas were staged in a cleared area to the 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 May 13, 2008, 15 composite soil samples (SS-1 through SS-15) were collected from the blended soil stockpile and submitted to the laboratory for analysis. The analytical results indicated the TPH concentration of the stockpile soil ranged from <50 mg/Kg to 1,072 mg/Kg. Benzene concentrations were less than 0.005 mg/Kg and total BTEX concentrations were below 50 mg/Kg. On May 22, 2008, following additional soil blending activities, 15 new composite soil samples (SS2-1 through SS2-15) were collected from the blended soil stockpile and submitted to the laboratory for analysis. The analytical results indicated the TPH concentration of the stockpile soil ranged from 277 mg/Kg to 449 mg/Kg. Benzene and BTEX concentrations were below the laboratory method detection limit of 0.010 mg/Kg.

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 floor of the excavation required some leveling to provide an effective and efficient pathway for the channeling of moisture. Following the leveling activities, a six-inch layer of non-impacted sand, acquired locally, was placed in the excavation. The sand protects the synthetic liner from rips and tears and aids in the proper installation of the liner.

On June 6, 2008, 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. Photographic documentation of the liner installation is provided as Appendix B.

Following the synthetic liner installation an additional six-inch layer of non-impacted sand was placed on top of the liner to further protect the liner.

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 May 30, 2008, the NMOCD approved the backfilling of the excavations with remediated soil. On June 9, 2008, 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 supply moisture to the soil to allow for proper compaction.

On June 11, 2008, backfilling activities were completed and the disturbed area was contoured to fit the surrounding topography.

4.0 SOIL CLOSURE REQUEST

Plains has completed the activities proposed in the NMOCD approved Soil Remediation Work Plan dated June 2006 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:
Ed Hansen
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Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division District 1
1625 French Drive
Hobbs, NM 88240

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2057 Commerce Drive
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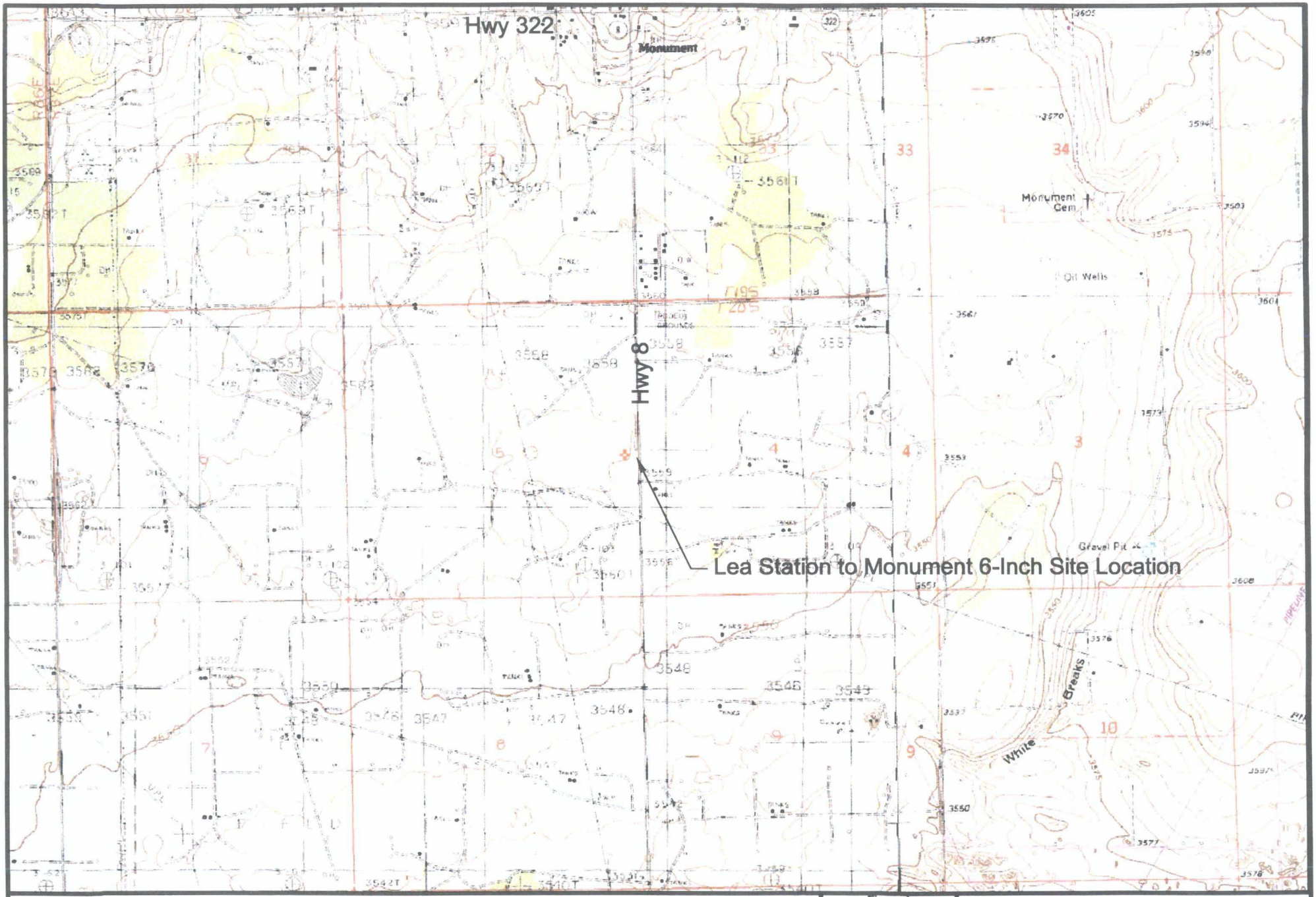
rrounsaville@novatraining.cc

FIGURES



N

NMOCD Reference # 1R-0404
NE 1/4, SE 1/4, Sec. 5 T20S, R37E

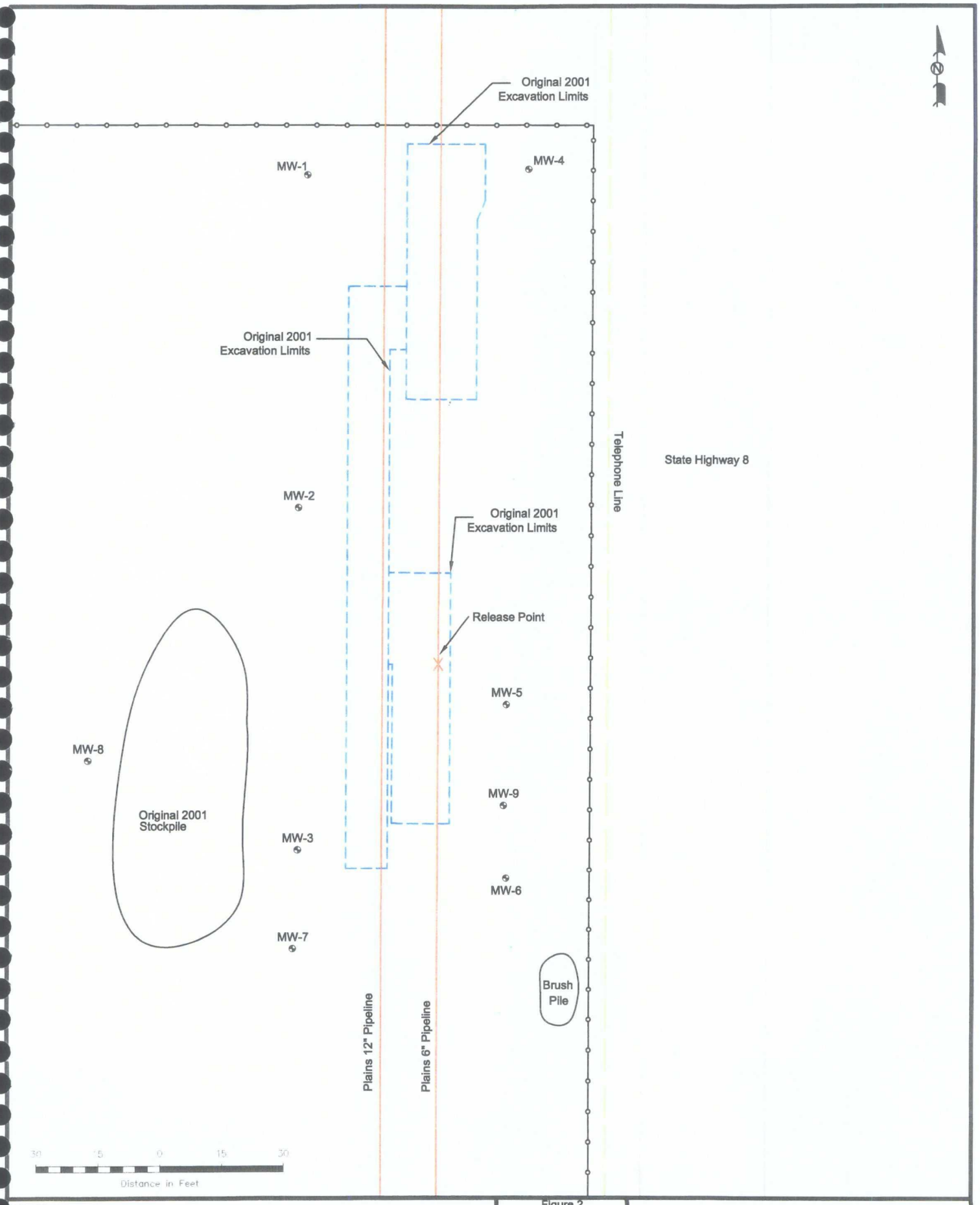
Figure 1
Site Location
Map

Plains Marketing, L.P.
Lea Station to
Monument 6-Inch
Lea County, NM

NOVA Safety and Environmemntal

NOVA safety and environmental

Scale: NTS	Prep By: CDS	Checked By: TKC
February 10, 2005	Lat. 32° 36' 6.4"N Long. 103° 15' 55.1"	

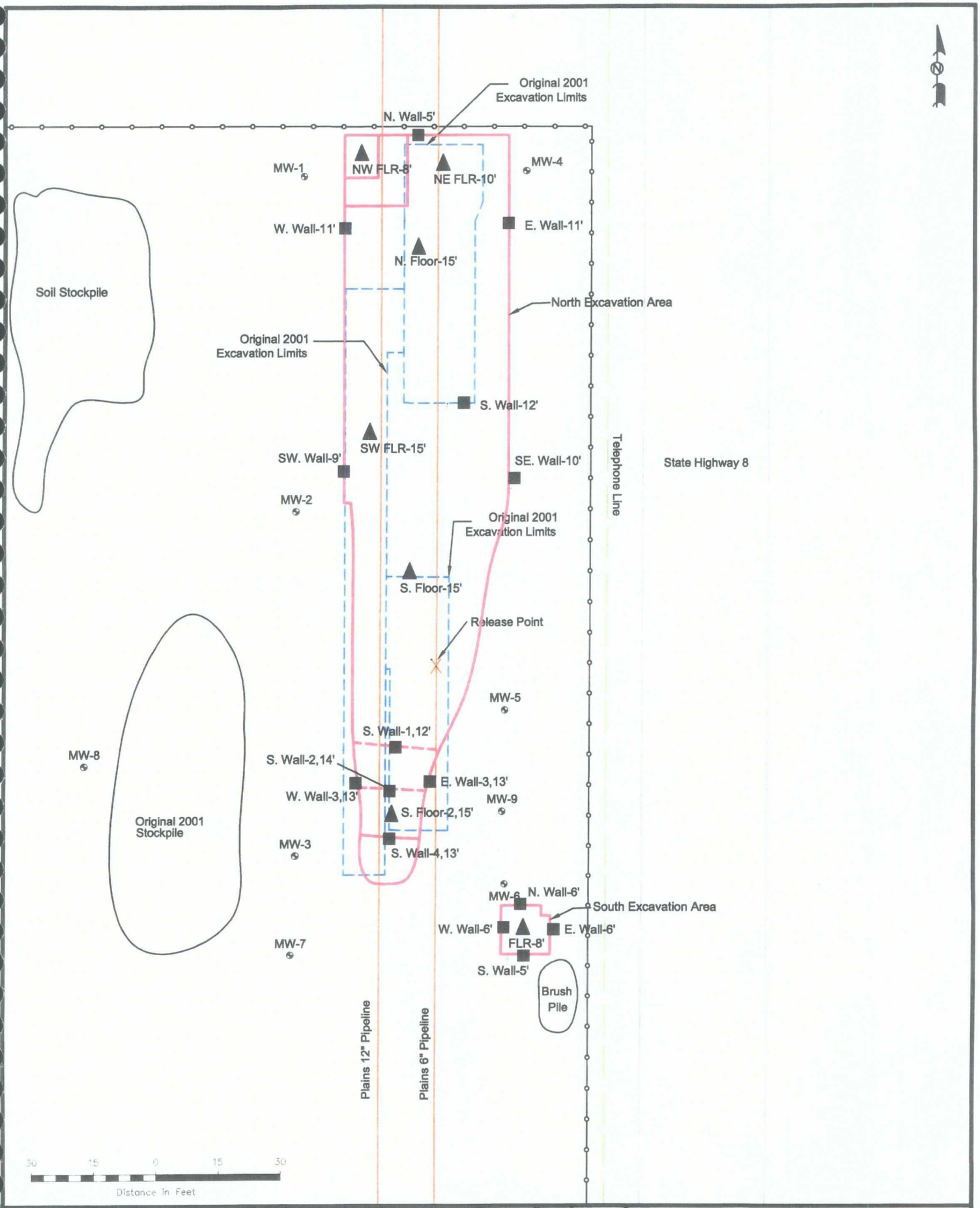


Legend:
- Pipeline
- Fence
- Monitor Well Location

Figure 2
Site Map
Plains Pipeline, L.P.
Lea Station to
Monument 6" Pipeline
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: CS	Checked By: RKR
February 1, 2005	Lat. 32° 36' 6.4"N	Long. 103° 15' 55.1"



Legend:

- Pipeline
- Fence
- Monitor Well Location
- New Excavation Limits
- Confirmation Wall Soil Sample Locations
- Confirmation Floor Soil Sample Locations

Figure 3
Sample Location and Excavation Area Map
Plains Pipeline, L.P.
Lea Station to Monument 6" Pipeline
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DGC	Checked By: RKR
May 15, 2008	Lat. 32° 36' 6.4"N	Long. 103° 15' 55.1"

TABLES

TABLE 1

PLAINS PIPELINE, L.P.

Concentrations of BTEX and TPH in Soil

LEA STATION TO MONUMENT 6"

NMOCD Reference # 1R-0404

SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH	SOIL STATUS	Method SW-8015b			Method SW 846-8021b					SM 4500
				GRO C_6-C_{12} mg/Kg	DRO >C_{12}-C_{35} mg/Kg	Total TPH C_6-C_{35} mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Xylene mg/Kg	Total BTEX mg/Kg	Chloride mg/Kg
NMOCD REGULATORY STANDARD				-	-	**100**	**10**	-	-	-	**50**	**250**
	Excavation Floor and Sidewall Sample Locations											
4/11/2008	W. Wall - 11'	11'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/11/2008	E. Wall - 11'	11'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/11/2008	N. Wall-5'	5'	In-Situ	<1.0	<50	<50	<0.02	<0.02	<0.02	<0.02	<0.02	-
4/11/2008	NW FLR-8'	8'	In-Situ	1.54	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/11/2008	NE. FLR-10'	10'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/11/2008	SE. FLR-15'	15'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/11/2008	SW. FLR-15'	15'	In-Situ	8.26	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	<100
4/11/2008	S. Wall-12'	12'	Excavated	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	N. Floor, 15'	15'	In-Situ	15.9	<50	<50	<0.05	<0.05	<0.05	<0.05	<0.05	-
4/16/2008	S.E. Wall, 10'	10'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	S. Floor, 15'	15'	In-Situ	**40.6**	**188**	**228.6**	<0.01	<0.01	0.0531	0.0592	0.1123	-
4/16/2008	S.W. Wall, 9'	9'	In-Situ	1.38	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	S. Wall-1, 12'	12'	Excavated	**151**	**491**	**642**	<0.01	0.214	0.782	1.06	2.056	-
4/16/2008	S. Exc. E. Wall, 6'	6'	In-Situ	7.83	<50	<50	<0.01	<0.01	0.0226	<0.01	0.226	-
4/16/2008	S. Exc. S. Wall, 5'	5'	In-Situ	2.35	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	S. Exc. N. Wall, 6'	6'	In-Situ	1.15	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	S. Exc. W. Wall, 6'	6'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/16/2008	S. Exc. Floor, 8'	8'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/23/2008	S. Wall-2, 14'	14'	Excavated	**108**	**1,830**	**1,938**	-	-	-	-	-	-
4/28/2008	South Wall-4, 13'	13'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/28/2008	East Wall-3, 13'	13'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/28/2008	West Wall-3, 13'	13'	In-Situ	<1.0	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-
4/28/2008	South Floor-2, 15'	15'	In-Situ	9.08	<50	<50	<0.01	<0.01	<0.01	<0.01	<0.01	-

TABLE 1

PLAINS PIPELINE, L.P.

Concentrations of BTEX and TPH in Soil

LEA STATION TO MONUMENT 6"

NMOCD Reference # 1R-0404

SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH	SOIL STATUS	Method SW-8015b			Method SW 846-8021b					SM 4500
				GRO C_6-C_{12} mg/Kg	DRO >C_{12}-C_{35} mg/Kg	Total TPH C_6-C_{35} mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Xylene mg/Kg	Total BTEX mg/Kg	Chloride mg/Kg
NMOCD REGULATORY STANDARD				-	-	100	10	-	-	-	50	250
	Soil Stockpile Composite Samples					1,000						
5/13/2008	Soil Stockpile, SS-1	--	Blended	**72.1**	**1,000**	**1,072**	<0.020	<0.020	0.0625	0.114	0.1765	-
5/13/2008	SS-2	--	Blended	26.2	960	986	<0.020	<0.020	0.0326	0.0953	0.1279	-
5/13/2008	SS-3	--	Blended	32	736	768	<0.020	<0.020	<0.020	0.0539	0.0539	-
5/13/2008	SS-4	--	Blended	**44.4**	**1,020**	**1,064**	<0.020	<0.020	0.0356	0.0683	0.1039	-
5/13/2008	SS-5	--	Blended	60.7	895	956	<0.020	<0.020	0.0415	0.0796	0.1211	-
5/13/2008	SS-6	--	Blended	49.2	889	938	<0.020	<0.020	0.0265	0.0536	0.0801	-
5/13/2008	SS-7	--	Blended	55.7	886	942	<0.020	<0.020	0.0380	0.0832	0.1212	-
5/13/2008	SS-8	--	Blended	51	820	871	<0.020	<0.020	0.0325	0.0656	0.0981	-
5/13/2008	SS-9	--	Blended	57.5	724	782	<0.050	<0.050	<0.050	0.0756	0.0756	-
5/13/2008	SS-10	--	Blended	64.1	870	934	<0.020	<0.020	0.0608	0.114	0.1748	-
5/13/2008	SS-11	--	Blended	27.7	610	638	<0.020	<0.020	<0.020	0.0245	0.0245	-
5/13/2008	SS-12	--	Blended	41.1	837	878	<0.020	<0.020	<0.020	0.0437	0.0437	-
5/13/2008	SS-13	--	Blended	19.3	302	322	<0.020	<0.020	<0.020	0.0208	0.0208	-
5/13/2008	SS-14	--	Blended	13.2	276	289	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/13/2008	SS-15	--	Blended	<1.0	<50	<50	<0.010	<0.010	<0.010	<0.010	<0.010	-
						1,000						
5/22/2008	Soil Stockpile, SS2-1	--	Blended	10.2	408	418	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-2	--	Blended	11.2	346	357	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-3	--	Blended	10.3	320	330	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-4	--	Blended	1.86	395	397	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-5	--	Blended	5.61	307	313	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-6	--	Blended	5.92	271	277	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-7	--	Blended	12.4	450	462	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-8	--	Blended	9.19	433	442	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-9	--	Blended	9.41	434	443	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-10	--	Blended	7.8	441	449	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-11	--	Blended	10.3	439	449	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-12	--	Blended	3.27	381	384	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-13	--	Blended	13.5	427	440	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-14	--	Blended	2.56	298	300	<0.010	<0.010	<0.010	<0.010	<0.010	-
5/22/2008	SS2-15	--	Blended	<1.0	320	320	<0.010	<0.010	<0.010	<0.010	<0.010	-

APPENDICES

APPENDIX A

Ron Rounsaville

From: "Camille J Bryant" <CJBryant@paalp.com>
To: "Ron Rounsaville (E-mail)" <rrounsaville@novatraining.cc>
Sent: Thursday, July 31, 2008 3:12 PM
Subject: FW: Lea Station to Monument 6-Inch Site (1R-0404)

-----Original Message-----
From: Hansen, Edward J., EMNRD [mailto:edwardj.hansen@state.nm.us]
Sent: Tuesday, February 19, 2008 3:59 PM
To: Camille J Reynolds
Subject: RE: Lea Station to Monument 6-Inch Site (1R-0404)

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (OCD) has reviewed the soil remediation work plan for the above referenced site. The OCD hereby approves the work plan for the above referenced site. Please submit a soil remediation report within 60 days of completion of the work plan.

Also, please be advised that OCD approval does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please call me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

-----Original Message-----
From: Camille J Reynolds [mailto:cjreynolds@paalp.com]
Sent: Thursday, February 14, 2008 9:57 AM
To: Hansen, Edward J., EMNRD
Subject: Lea Station to Monument 6-Inch Site

Ed,

Pursuant to our conversation Plains respectfully requests approval to conduct soil remediation activities at the Lea Station to Monument 6-Inch
release site. Nova Safety and Environmental on behalf of Plains submitted a

Soil Remediation Work Plan dated June 2006 NMOCD Ref# 1R-0404 which details
soil remediation activities to be conducted at the site. At this time Plains is requesting NMOCD approval to conduct soil activities at the site.

Please contact me with any questions or comments.

Sincerely,

Camille Reynolds
Remediation Coordinator
Plains All American

office: 505/396-3341
fax: 505/396-2754
cellular: 505/441-0965

material from any system and destroy any copies.

This footnote also confirms that this email message has been scanned for Viruses and Content and cleared.
##

APPENDIX B

NOVA
safety and environmental

Photographic Documentation

Client: Plains Marketing, L.P.
Location: Lea County, New Mexico
Photograph Date: June 6, 2008

Prepared by: NOVA
Photographer: Ron Rounsaville
Project Name: Lea to Monument 6-Inch

Photograph No. 1

Date: 06/06/08

Direction: South

Description: View of the synthetic Liner Installation within the northern excavation area.

Photograph No. 2

Date: 06/06/08

Direction: North

Description: Synthetic Liner Installation within the northern excavation area.

NOVA
safety and environmental

Photographic Documentation

Client: Plains Marketing, L.P.
Location: Lea County, New Mexico
Photograph Date: June 6, 2008

Prepared by: NOVA
Photographer: Ron Rounsaville
Project Name: Lea to Monument 6-Inch

Photograph No. 3

Date: 06/06/08

Direction: Southeast

Description: Synthetic Liner Installation within the southern excavation area.

Photograph No. 4

Date: 06/06/08

Direction: Northwest

Description: Installation of liner cushion sand within northern excavation.

APPENDIX C

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: April 18, 2008

Work Order: 8041131

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
156648	W. Wall-11'	soil	2008-04-11	10:42	2008-04-11
156649	E. Wall-11'	soil	2008-04-11	10:48	2008-04-11
156650	N. Wall-5'	soil	2008-04-11	10:52	2008-04-11
156651	NW. FLR-8'	soil	2008-04-11	10:56	2008-04-11
156652	NE. FLR-10'	soil	2008-04-11	11:00	2008-04-11
156653	SE. FLR-15'	soil	2008-04-11	11:05	2008-04-11
156654	SW. FLR-15'	soil	2008-04-11	11:10	2008-04-11
156655	S. Wall-12	soil	2008-04-11	11:15	2008-04-11

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

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 156648 - W. Wall-11'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47491	Date Analyzed:	2008-04-15	Analyzed By:	DC
Prep Batch:	40838	Sample Preparation:	2008-04-15	Prepared By:	DC

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)		0.964	mg/Kg	1	1.00	96	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.980	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156648 - W. Wall-11'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47427	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		88.0	mg/Kg	1	100	88	10 - 250.4

Sample: 156648 - W. Wall-11'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47434	Date Analyzed:	2008-04-14	Analyzed By:	DC
Prep Batch:	40784	Sample Preparation:	2008-04-14	Prepared By:	DC

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)		1.01	mg/Kg	1	1.00	101	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	66 - 142.8

Sample: 156649 - E. Wall-11'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47491	Date Analyzed:	2008-04-15	Analyzed By:	DC
Prep Batch:	40838	Sample Preparation:	2008-04-15	Prepared By:	DC

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)		0.972	mg/Kg	1	1.00	97	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.979	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156649 - E. Wall-11'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47427	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		77.0	mg/Kg	1	100	77	10 - 250.4

Sample: 156649 - E. Wall-11'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47434	Date Analyzed:	2008-04-14	Analyzed By:	DC
Prep Batch:	40784	Sample Preparation:	2008-04-14	Prepared By:	DC

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)		0.993	mg/Kg	1	1.00	99	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	66 - 142.8

Sample: 156650 - N. Wall-5'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47491	Date Analyzed:	2008-04-15	Analyzed By:	DC
Prep Batch:	40838	Sample Preparation:	2008-04-15	Prepared By:	DC

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)		1.92	mg/Kg	2	2.00	96	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	2	2.00	96	48.9 - 160.4

Sample: 156650 - N. Wall-5'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47427	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	Prepared By:	LD

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	100	108	10 - 250.4

Sample: 156650 - N. Wall-5'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47434	Date Analyzed:	2008-04-14	Analyzed By:	DC
Prep Batch:	40784	Sample Preparation:	2008-04-14	Prepared By:	DC

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)		1.00	mg/Kg	1	1.00	100	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	66 - 142.8

Sample: 156651 - NW. FLR-8'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47491	Date Analyzed:	2008-04-15	Analyzed By:	DC
Prep Batch:	40838	Sample Preparation:	2008-04-15	Prepared By:	DC

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)		0.966	mg/Kg	1	1.00	97	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.977	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156651 - NW. FLR-8'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47427	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		83.8	mg/Kg	1	100	84	10 - 250.4

Sample: 156651 - NW. FLR-8'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47434	Date Analyzed:	2008-04-14	Analyzed By:	DC
Prep Batch:	40784	Sample Preparation:	2008-04-14	Prepared By:	DC

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)		0.987	mg/Kg	1	1.00	99	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	66 - 142.8

Sample: 156652 - NE. FLR-10'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47537	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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)		0.991	mg/Kg	1	1.00	99	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.983	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156652 - NE. FLR-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47425	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		96.8	mg/Kg	1	100	97	10 - 250.4

Sample: 156652 - NE. FLR-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47538	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	66 - 142.8

Sample: 156653 - SE. FLR-15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47537	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.978	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156653 - SE. FLR-15'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47425	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		94.4	mg/Kg	1	100	94	10 - 250.4

Sample: 156653 - SE. FLR-15'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47538	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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

Sample: 156654 - SW. FLR-15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47537	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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)		0.991	mg/Kg	1	1.00	99	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	48.9 - 160.4

Sample: 156654 - SW. FLR-15'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	47437	Date Analyzed:	2008-04-14	Analyzed By:	AR
Prep Batch:	40787	Sample Preparation:	2008-04-14	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

Sample: 156654 - SW. FLR-15'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47425	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		70.5	mg/Kg	1	100	70	10 - 250.4

Sample: 156654 - SW. FLR-15'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47538	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

continued ...

sample 156654 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**8.26**	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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	66 - 142.8

Sample: 156655 - S. Wall-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47537	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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)		0.974	mg/Kg	1	1.00	97	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		0.979	mg/Kg	1	1.00	98	48.9 - 160.4

Sample: 156655 - S. Wall-12

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47425	Date Analyzed:	2008-04-14	Analyzed By:	LD
Prep Batch:	40777	Sample Preparation:	2008-04-14	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		109	mg/Kg	1	100	109	10 - 250.4

Sample: 156655 - S. Wall-12

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47538	Date Analyzed:	2008-04-16	Analyzed By:	DC
Prep Batch:	40859	Sample Preparation:	2008-04-16	Prepared By:	DC

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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	66 - 142.8

Method Blank (1) QC Batch: 47425

QC Batch: 47425 Date Analyzed: 2008-04-14 Analyzed By: LD
Prep Batch: 40777 QC Preparation: 2008-04-14 Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		104	mg/Kg	1	100	104	30.9 - 146.4

Method Blank (1) QC Batch: 47427

QC Batch: 47427 Date Analyzed: 2008-04-14 Analyzed By: LD
Prep Batch: 40777 QC Preparation: 2008-04-14 Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		142	mg/Kg	1	100	142	30.9 - 146.4

Method Blank (1) QC Batch: 47434

QC Batch: 47434 Date Analyzed: 2008-04-14 Analyzed By: DC
Prep Batch: 40784 QC Preparation: 2008-04-14 Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.808	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		0.842	mg/Kg	1	1.00	84	70 - 130

Method Blank (1) QC Batch: 47437

QC Batch: 47437 | Date Analyzed: 2008-04-14 | Analyzed By: AR
Prep Batch: 40787 | QC Preparation: 2008-04-14 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 47491

QC Batch: 47491 | Date Analyzed: 2008-04-15 | Analyzed By: DC
Prep Batch: 40838 | QC Preparation: 2008-04-15 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0110	mg/Kg	0.01
Toluene		<0.0109	mg/Kg	0.01
Ethylbenzene		<0.0109	mg/Kg	0.01
Xylene		<0.0331	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.962	mg/Kg	1	1.00	96	82.3 - 121.6
4-Bromofluorobenzene (4-BFB)		0.971	mg/Kg	1	1.00	97	72 - 123

Method Blank (1) QC Batch: 47537

QC Batch: 47537 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0110	mg/Kg	0.01
Toluene		<0.0109	mg/Kg	0.01
Ethylbenzene		<0.0109	mg/Kg	0.01
Xylene		<0.0331	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.963	mg/Kg	1	1.00	96	82.3 - 121.6
4-Bromofluorobenzene (4-BFB)		0.932	mg/Kg	1	1.00	93	72 - 123

Method Blank (1) QC Batch: 47538

QC Batch: 47538 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.765	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	70 - 130
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 47425 | Date Analyzed: 2008-04-14 | Analyzed By: LD
Prep Batch: 40777 | QC Preparation: 2008-04-14 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	210	mg/Kg	1	250	<15.8	84	27.8 - 152.1

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
DRO	225	mg/Kg	1	250	<15.8	90	27.8 - 152.1	7	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	64.3	62.8	mg/Kg	1	100	64	63	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 47427 | Date Analyzed: 2008-04-14 | Analyzed By: LD
Prep Batch: 40777 | QC Preparation: 2008-04-14 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	331	mg/Kg	1	250	<15.8	132	27.8 - 152.1

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
DRO	365	mg/Kg	1	250	<15.8	146	27.8 - 152.1	10	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	113	89.1	mg/Kg	1	100	113	89	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 47434 | Date Analyzed: 2008-04-14 | Analyzed By: DC
Prep Batch: 40784 | QC Preparation: 2008-04-14 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.62	mg/Kg	1	10.0	0.808	78	69.6 - 97.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.29	mg/Kg	1	10.0	0.808	85	69.6 - 97.3	8	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)	1.15	1.14	mg/Kg	1	1.00	115	114	70 - 130
4-Bromofluorobenzene (4-BFB)	1.01	1.02	mg/Kg	1	1.00	101	102	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 47437 | Date Analyzed: 2008-04-14 | Analyzed By: AR
Prep Batch: 40787 | QC Preparation: 2008-04-14 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.4	mg/Kg	1	100	<0.500	97	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<0.500	101	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47491 | Date Analyzed: 2008-04-15 | Analyzed By: DC
Prep Batch: 40838 | QC Preparation: 2008-04-15 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.995	mg/Kg	1	1.00	<0.0110	100	72.7 - 129.8
Toluene	1.01	mg/Kg	1	1.00	<0.0109	101	71.6 - 129.6
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.0109	102	70.8 - 129.7
Xylene	3.11	mg/Kg	1	3.00	<0.0331	104	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	0.936	mg/Kg	1	1.00	<0.0110	94	72.7 - 129.8	6	20
Toluene	0.949	mg/Kg	1	1.00	<0.0109	95	71.6 - 129.6	6	20
Ethylbenzene	0.966	mg/Kg	1	1.00	<0.0109	97	70.8 - 129.7	5	20
Xylene	2.94	mg/Kg	1	3.00	<0.0331	98	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)	0.975	0.961	mg/Kg	1	1.00	98	96	82.9 - 122.8
4-Bromofluorobenzene (4-BFB)	0.982	0.975	mg/Kg	1	1.00	98	98	73.8 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 47537 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.970	mg/Kg	1	1.00	<0.0110	97	72.7 - 129.8
Toluene	0.980	mg/Kg	1	1.00	<0.0109	98	71.6 - 129.6
Ethylbenzene	0.987	mg/Kg	1	1.00	<0.0109	99	70.8 - 129.7
Xylene	3.00	mg/Kg	1	3.00	<0.0331	100	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	1.00	mg/Kg	1	1.00	<0.0110	100	72.7 - 129.8	3	20
Toluene	1.02	mg/Kg	1	1.00	<0.0109	102	71.6 - 129.6	4	20
Ethylbenzene	1.03	mg/Kg	1	1.00	<0.0109	103	70.8 - 129.7	4	20
Xylene	3.14	mg/Kg	1	3.00	<0.0331	105	70.9 - 129.4	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)	0.959	0.972	mg/Kg	1	1.00	96	97	82.9 - 122.8
4-Bromofluorobenzene (4-BFB)	0.890	0.953	mg/Kg	1	1.00	89	95	73.8 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 47538 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.97	mg/Kg	1	10.0	0.765	82	69.6 - 97.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.22	mg/Kg	1	10.0	0.765	84	69.6 - 97.3	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)	1.14	1.15	mg/Kg	1	1.00	114	115	70 - 130
4-Bromofluorobenzene (4-BFB)	1.08	1.08	mg/Kg	1	1.00	108	108	70 - 130

Matrix Spike (MS-1) Spiked Sample: 156674

QC Batch: 47425 | Date Analyzed: 2008-04-14 | Analyzed By: LD
Prep Batch: 40777 | QC Preparation: 2008-04-14 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	412	mg/Kg	1	250	352.89	24	18 - 179.5

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	416	mg/Kg	1	250	352.89	25	18 - 179.5	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	87.3	97.6	mg/Kg	1	100	87	98	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 156648

QC Batch: 47427 | Date Analyzed: 2008-04-14 | Analyzed By: LD
Prep Batch: 40777 | QC Preparation: 2008-04-14 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	292	mg/Kg	1	250	<15.8	117	18 - 179.5

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	248	mg/Kg	1	250	<15.8	99	18 - 179.5	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	91.5	99.0	mg/Kg	1	100	92	99	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 156650

QC Batch: 47434 | Date Analyzed: 2008-04-14 | Analyzed By: DC
Prep Batch: 40784 | QC Preparation: 2008-04-14 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	11.6	mg/Kg	1	10.0	<0.171	116	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	12.7	mg/Kg	1	10.0	<0.171	127	22.3 - 134.6	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
Trifluorotoluene (TFT)	0.974	0.902	mg/Kg	1	1	97	90	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	1.07	1.02	mg/Kg	1	1	107	102	66.7 - 134.3

Matrix Spike (MS-1) Spiked Sample: 156672

QC Batch: 47437 | Date Analyzed: 2008-04-14 | Analyzed By: AR
Prep Batch: 40787 | QC Preparation: 2008-04-14 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6230	mg/Kg	50	5000	1191.45	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6320	mg/Kg	50	5000	1191.45	102	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 156666

QC Batch: 47491 | Date Analyzed: 2008-04-15 | Analyzed By: DC
Prep Batch: 40838 | QC Preparation: 2008-04-15 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	3.44	mg/Kg	5	5.00	0.0605	68	58.6 - 165.2
Toluene	3.59	mg/Kg	5	5.00	0.2785	66	64.2 - 153.8
Ethylbenzene	8.12	mg/Kg	5	5.00	4.3882	75	61.6 - 159.4
Xylene	15.0	mg/Kg	5	15.0	4.2229	72	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	4.19	mg/Kg	5	5.00	0.0605	82	58.6 - 165.2	20	20
Toluene	4.28	mg/Kg	5	5.00	0.2785	80	64.2 - 153.8	18	20
Ethylbenzene	8.76	mg/Kg	5	5.00	4.3882	87	61.6 - 159.4	8	20
Xylene	17.3	mg/Kg	5	15.0	4.2229	87	64.4 - 155.3	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)	4.84	4.86	mg/Kg	5	5	97	97	76.5 - 127.9
4-Bromofluorobenzene (4-BFB)	6.12	6.06	mg/Kg	5	5	122	121	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 156652

QC Batch: 47537 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.16	mg/Kg	1	1.00	<0.0110	116	58.6 - 165.2
Toluene	1.18	mg/Kg	1	1.00	<0.0109	118	64.2 - 153.8
Ethylbenzene	1.22	mg/Kg	1	1.00	<0.0109	122	61.6 - 159.4
Xylene	3.72	mg/Kg	1	3.00	<0.0331	124	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	<0.0110	115	58.6 - 165.2	1	20
Toluene	1.16	mg/Kg	1	1.00	<0.0109	116	64.2 - 153.8	2	20
Ethylbenzene	1.20	mg/Kg	1	1.00	<0.0109	120	61.6 - 159.4	2	20
Xylene	3.64	mg/Kg	1	3.00	<0.0331	121	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)	0.991	0.993	mg/Kg	1	1	99	99	76.5 - 127.9
4-Bromofluorobenzene (4-BFB)	0.983	0.989	mg/Kg	1	1	98	99	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 156655

QC Batch: 47538 | Date Analyzed: 2008-04-16 | Analyzed By: DC
Prep Batch: 40859 | QC Preparation: 2008-04-16 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.73	mg/Kg	1	10.0	<0.171	97	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	9.63	mg/Kg	1	10.0	<0.171	96	22.3 - 134.6	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)	1.02	1.01	mg/Kg	1	1	102	101	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	1.10	1.10	mg/Kg	1	1	110	110	66.7 - 134.3

Standard (CCV-2)

QC Batch: 47425 Date Analyzed: 2008-04-14 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	288	115	85 - 115	2008-04-14

Standard (CCV-3)

QC Batch: 47425 Date Analyzed: 2008-04-14 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2008-04-14

Standard (ICV-1)

QC Batch: 47427 Date Analyzed: 2008-04-14 Analyzed By: LD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	284	114	85 - 115	2008-04-14

Standard (CCV-1)

QC Batch: 47427 Date Analyzed: 2008-04-14 Analyzed By: LD

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	2008-04-14

Standard (ICV-1)

QC Batch: 47434 Date Analyzed: 2008-04-14 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.14	114	85 - 115	2008-04-14

Standard (CCV-1)

QC Batch: 47434 Date Analyzed: 2008-04-14 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.12	112	85 - 115	2008-04-14

Standard (ICV-1)

QC Batch: 47437 Date Analyzed: 2008-04-14 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.6	98	85 - 115	2008-04-14

Standard (CCV-1)

QC Batch: 47437 Date Analyzed: 2008-04-14 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-04-14

Standard (ICV-1)

QC Batch: 47491 Date Analyzed: 2008-04-15 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0924	92	85 - 115	2008-04-15
Toluene		mg/Kg	0.100	0.0940	94	85 - 115	2008-04-15
Ethylbenzene		mg/Kg	0.100	0.0966	97	85 - 115	2008-04-15
Xylene		mg/Kg	0.300	0.295	98	85 - 115	2008-04-15

Standard (CCV-1)

QC Batch: 47491 Date Analyzed: 2008-04-15 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0991	99	85 - 115	2008-04-15
Toluene		mg/Kg	0.100	0.0998	100	85 - 115	2008-04-15
Ethylbenzene		mg/Kg	0.100	0.100	100	85 - 115	2008-04-15
Xylene		mg/Kg	0.300	0.306	102	85 - 115	2008-04-15

Standard (CCV-1)

QC Batch: 47537 Date Analyzed: 2008-04-16 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0995	100	85 - 115	2008-04-16
Toluene		mg/Kg	0.100	0.100	100	85 - 115	2008-04-16
Ethylbenzene		mg/Kg	0.100	0.101	101	85 - 115	2008-04-16
Xylene		mg/Kg	0.300	0.310	103	85 - 115	2008-04-16

Standard (CCV-2)

QC Batch: 47537 Date Analyzed: 2008-04-16 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.111	111	85 - 115	2008-04-16
Toluene		mg/Kg	0.100	0.113	113	85 - 115	2008-04-16
Ethylbenzene		mg/Kg	0.100	0.114	114	85 - 115	2008-04-16
Xylene	[1]	mg/Kg	0.300	0.349	116	85 - 115	2008-04-16

Standard (CCV-1)

QC Batch: 47538 Date Analyzed: 2008-04-16 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.13	113	85 - 115	2008-04-16

Standard (CCV-2)

QC Batch: 47538 Date Analyzed: 2008-04-16 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.12	112	85 - 115	2008-04-16

[1]Xylene outside of control limits on CCV. CCV component average is .1144 which is within acceptable range. This is acceptable by Method 8000.

LAB Order ID # 80411 | 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 #: | Project Name: LEA STATION to MONUMENT 6"

Project Location (including state): LEA COUNTY, 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	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	Chlorides					Turn Around Time if different from standard	Hold
648	W. WALL - 11'	1	4oz.		X							X		4/11/08	1042		X		X																			
649	E. WALL - 11'	1	"		X							X		"	1048		X		X																			
650	N. WALL - 5'	1	"		X							X		"	1052		X		X																			
651	NW. FLR - 8'	1	"		X							X		"	1056		X		X																			
652	NE. FLR - 10'	1	"		X							X		"	1100		X		X																			
653	SE. FLR - 15'	1	"		X							X		"	1105		X		X																			
654	SW. FLR - 15'	1	"		X							X		"	1110		X		X																X				
655	S. WALL - 12'	1	"		X							X		"	1115		X		X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ron Rounsaville		4/11/08	1620		TRACE	4/11/08	1620	2.7°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
2.7°
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.

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TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: April 22, 2008

Work Order: 8041721

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
157064	N. Floor, 15'	soil	2008-04-16	13:34	2008-04-17
157065	S.E. Wall, 10'	soil	2008-04-16	13:37	2008-04-17
157066	S. Floor, 15'	soil	2008-04-16	13:40	2008-04-17
157067	S.W. Wall, 9'	soil	2008-04-16	13:43	2008-04-17
157068	S. Wall, 12'	soil	2008-04-16	13:46	2008-04-17
157069	S. Exc. E. Wall, 6'	soil	2008-04-16	13:51	2008-04-17
157070	S. Exc. S. Wall, 5'	soil	2008-04-16	13:53	2008-04-17
157071	S. Exc. N. Wall, 6'	soil	2008-04-16	13:56	2008-04-17
157072	S. Exc. W. Wall, 6'	soil	2008-04-16	14:02	2008-04-17
157073	S. Exc. Floor, 8'	soil	2008-04-16	13:58	2008-04-17

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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 157064 - N. Floor, 15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	Result	RL	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		<0.0500		mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.36	mg/Kg	5	5.00	107	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		5.36	mg/Kg	5	5.00	107	48.9 - 160.4

Sample: 157064 - N. Floor, 15'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		123	mg/Kg	1	100	123	10 - 250.4

Sample: 157064 - N. Floor, 15'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**15.9**		mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	5.90	mg/Kg	5	5.00	118	75 - 117.2
4-Bromofluorobenzene (4-BFB)		5.88	mg/Kg	5	5.00	118	66 - 142.8

[1]High surrogate recovery due to peak interference.

Sample: 157065 - S.E. Wall, 10'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	48.9 - 160.4

Sample: 157065 - S.E. Wall, 10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		97.3	mg/Kg	1	100	97	10 - 250.4

Sample: 157065 - S.E. Wall, 10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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)		1.16	mg/Kg	1	1.00	116	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	66 - 142.8

Sample: 157066 - S. Floor, 15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.0531**	mg/Kg	1	0.0100
Xylene		**0.0592**	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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	48.9 - 160.4

Sample: 157066 - S. Floor, 15'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**188**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		99.9	mg/Kg	1	100	100	10 - 250.4

Sample: 157066 - S. Floor, 15'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**40.6**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	1	1.00	115	75 - 117.2
4-Bromofluorobenzene (4-BFB)	[2]	1.58	mg/Kg	1	1.00	158	66 - 142.8

[2]High surrogate recovery due to peak interference.

Sample: 157067 - S.W. Wall, 9'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	48.9 - 160.4

Sample: 157067 - S.W. Wall, 9'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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	10 - 250.4

Sample: 157067 - S.W. Wall, 9'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**1.38**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	1	1.00	115	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	66 - 142.8

Sample: 157068 - S. Wall, 12'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.214**	mg/Kg	1	0.0100
Ethylbenzene		**0.782**	mg/Kg	1	0.0100
Xylene		**1.06**	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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.31	mg/Kg	1	1.00	131	48.9 - 160.4

Sample: 157068 - S. Wall, 12'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**491**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		124	mg/Kg	1	100	124	10 - 250.4

Sample: 157068 - S. Wall, 12'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**151**	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	75 - 117.2
4-Bromofluorobenzene (4-BFB)	[3]	6.95	mg/Kg	1	1.00	695	66 - 142.8

[3]High surrogate recovery due to peak interference.

Sample: 157069 - S. Exc. E. Wall, 6'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		**0.0226**		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)		1.11	mg/Kg	1	1.00	111	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	48.9 - 160.4

Sample: 157069 - S. Exc. E. Wall, 6'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47572	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		104	mg/Kg	1	100	104	10 - 250.4

Sample: 157069 - S. Exc. E. Wall, 6'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	*B*	**7.83**		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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.29	mg/Kg	1	1.00	129	66 - 142.8

Sample: 157070 - S. Exc. S. Wall, 5'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	48.9 - 160.4

Sample: 157070 - S. Exc. S. Wall, 5'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47572	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		104	mg/Kg	1	100	104	10 - 250.4

Sample: 157070 - S. Exc. S. Wall, 5'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	*B*	**2.35**	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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.21	mg/Kg	1	1.00	121	66 - 142.8

Sample: 157071 - S. Exc. N. Wall, 6'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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)		1.10	mg/Kg	1	1.00	110	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	48.9 - 160.4

Sample: 157071 - S. Exc. N. Wall, 6'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47572	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	100	108	10 - 250.4

Sample: 157071 - S. Exc. N. Wall, 6'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	*B*	**1.15**	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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	66 - 142.8

Sample: 157072 - S. Exc. W. Wall, 6'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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)		1.08	mg/Kg	1	1.00	108	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	48.9 - 160.4

Sample: 157072 - S. Exc. W. Wall, 6'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47572	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		87.2	mg/Kg	1	100	87	10 - 250.4

Sample: 157072 - S. Exc. W. Wall, 6'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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)		1.15	mg/Kg	1	1.00	115	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	66 - 142.8

Sample: 157073 - S. Exc. Floor, 8'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	47610	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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	82.9 - 125.1
4-Bromofluorobenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	48.9 - 160.4

Sample: 157073 - S. Exc. Floor, 8'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47572	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	Sample Preparation:	2008-04-17	Prepared By:	AG

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		101	mg/Kg	1	100	101	10 - 250.4

Sample: 157073 - S. Exc. Floor, 8'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47611	Date Analyzed:	2008-04-19	Analyzed By:	AG
Prep Batch:	40929	Sample Preparation:	2008-04-18	Prepared By:	DC

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	75 - 117.2
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	66 - 142.8

Method Blank (1) QC Batch: 47569

QC Batch:	47569	Date Analyzed:	2008-04-17	Analyzed By:	AG
Prep Batch:	40906	QC Preparation:	2008-04-17	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		112	mg/Kg	1	100	112	30.9 - 146.4

Method Blank (1) QC Batch: 47572

QC Batch: 47572 Date Analyzed: 2008-04-17 Analyzed By: AG
Prep Batch: 40906 QC Preparation: 2008-04-17 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		104	mg/Kg	1	100	104	30.9 - 146.4

Method Blank (1) QC Batch: 47610

QC Batch: 47610 Date Analyzed: 2008-04-19 Analyzed By: AG
Prep Batch: 40929 QC Preparation: 2008-04-18 Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.0110	mg/Kg	0.01
Toluene		<0.0109	mg/Kg	0.01
Ethylbenzene		<0.0109	mg/Kg	0.01
Xylene		<0.0331	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	82.3 - 121.6
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	72 - 123

Method Blank (1) QC Batch: 47611

QC Batch: 47611 Date Analyzed: 2008-04-19 Analyzed By: AG
Prep Batch: 40929 QC Preparation: 2008-04-18 Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.856	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.21	mg/Kg	1	1.00	121	70 - 130
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 47569 | Date Analyzed: 2008-04-17 | Analyzed By: AG
Prep Batch: 40906 | QC Preparation: 2008-04-17 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	272	mg/Kg	1	250	<15.8	109	27.8 - 152.1

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
DRO	317	mg/Kg	1	250	<15.8	127	27.8 - 152.1	15	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	121	mg/Kg	1	100	111	121	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 47572 | Date Analyzed: 2008-04-17 | Analyzed By: AG
Prep Batch: 40906 | QC Preparation: 2008-04-17 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	316	mg/Kg	1	250	<15.8	126	27.8 - 152.1

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
DRO	282	mg/Kg	1	250	<15.8	113	27.8 - 152.1	11	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	108	101	mg/Kg	1	100	108	101	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 47610 | Date Analyzed: 2008-04-19 | Analyzed By: AG
Prep Batch: 40929 | QC Preparation: 2008-04-18 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.11	mg/Kg	1	1.00	<0.0110	111	72.7 - 129.8
Toluene	1.11	mg/Kg	1	1.00	<0.0109	111	71.6 - 129.6
Ethylbenzene	1.12	mg/Kg	1	1.00	<0.0109	112	70.8 - 129.7
Xylene	3.39	mg/Kg	1	3.00	<0.0331	113	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	<0.0110	110	72.7 - 129.8	1	20
Toluene	1.11	mg/Kg	1	1.00	<0.0109	111	71.6 - 129.6	0	20
Ethylbenzene	1.12	mg/Kg	1	1.00	<0.0109	112	70.8 - 129.7	0	20
Xylene	3.41	mg/Kg	1	3.00	<0.0331	114	70.9 - 129.4	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
Trifluorotoluene (TFT)	1.07	1.08	mg/Kg	1	1.00	107	108	82.9 - 122.8
4-Bromofluorobenzene (4-BFB)	1.05	1.06	mg/Kg	1	1.00	105	106	73.8 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 47611 | Date Analyzed: 2008-04-19 | Analyzed By: AG
Prep Batch: 40929 | QC Preparation: 2008-04-18 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.2	mg/Kg	1	10.0	0.856	93	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	10.1	mg/Kg	1	10.0	0.856	92	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.29	1.29	mg/Kg	1	1.00	129	129	70 - 130
4-Bromofluorobenzene (4-BFB)	1.19	1.21	mg/Kg	1	1.00	119	121	70 - 130

Matrix Spike (MS-1) Spiked Sample: 157046

QC Batch: 47569 | Date Analyzed: 2008-04-17 | Analyzed By: AG
Prep Batch: 40906 | QC Preparation: 2008-04-17 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	294	mg/Kg	1	250	<15.8	118	18 - 179.5

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	327	mg/Kg	1	250	<15.8	131	18 - 179.5	11	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	103	108	mg/Kg	1	100	103	108	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 157073

QC Batch: 47572 | Date Analyzed: 2008-04-17 | Analyzed By: AG
Prep Batch: 40906 | QC Preparation: 2008-04-17 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	279	mg/Kg	1	250	<15.8	112	18 - 179.5

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	[4]	525	mg/Kg	1	250	<15.8	210	18 - 179.5	200	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	96.0	94.7	mg/Kg	1	100	96	95	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 157073

QC Batch: 47610 | Date Analyzed: 2008-04-19 | Analyzed By: AG
Prep Batch: 40929 | QC Preparation: 2008-04-18 | Prepared By: DC

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[5]	1.91	mg/Kg	1	1.00	<0.0110	191	58.6 - 165.2
Toluene	[6]	1.98	mg/Kg	1	1.00	<0.0109	198	64.2 - 153.8
Ethylbenzene	[7]	2.06	mg/Kg	1	1.00	<0.0109	206	61.6 - 159.4
Xylene	[8]	6.16	mg/Kg	1	3.00	<0.0331	205	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	[9]	1.56	mg/Kg	1	1.00	<0.0110	156	58.6 - 165.2	20	20

continued ...

[4]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9]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
Toluene	[10]	1.60	mg/Kg	1	1.00	<0.0109	160	64.2 - 153.8	21	20
Ethylbenzene	[11]	1.65	mg/Kg	1	1.00	<0.0109	165	61.6 - 159.4	22	20
Xylene	[12]	4.99	mg/Kg	1	3.00	<0.0331	166	64.4 - 155.3	21	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	1.09	mg/Kg	1	1	110	109	76.5 - 127.9
4-Bromofluorobenzene (4-BFB)	1.10	1.10	mg/Kg	1	1	110	110	72 - 127.8

Matrix Spike (MS-1) Spiked Sample: 157058

QC Batch: 47611 | Date Analyzed: 2008-04-19 | Analyzed By: AG
Prep Batch: 40929 | QC Preparation: 2008-04-18 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	11.0	mg/Kg	1	10.0	<0.171	110	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	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
Trifluorotoluene (TFT)	1.05	1.12	mg/Kg	1	1	105	112	68.4 - 113.1
4-Bromofluorobenzene (4-BFB)	1.22	1.23	mg/Kg	1	1	122	123	66.7 - 134.3

Standard (CCV-1)

QC Batch: 47569 | Date Analyzed: 2008-04-17 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2008-04-17

Standard (CCV-2)

QC Batch: 47569 | Date Analyzed: 2008-04-17 | Analyzed By: AG

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	257	103	85 - 115	2008-04-17

Standard (CCV-3)

QC Batch: 47569 Date Analyzed: 2008-04-17 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	284	114	85 - 115	2008-04-17

Standard (ICV-1)

QC Batch: 47572 Date Analyzed: 2008-04-17 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	278	111	85 - 115	2008-04-17

Standard (CCV-1)

QC Batch: 47572 Date Analyzed: 2008-04-17 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	273	109	85 - 115	2008-04-17

Standard (ICV-1)

QC Batch: 47610 Date Analyzed: 2008-04-19 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	0.108	108	85 - 115	2008-04-19
Toluene		mg/Kg	0.100	0.109	109	85 - 115	2008-04-19
Ethylbenzene		mg/Kg	0.100	0.110	110	85 - 115	2008-04-19
Xylene		mg/Kg	0.300	0.336	112	85 - 115	2008-04-19

Standard (CCV-1)

QC Batch: 47610 Date Analyzed: 2008-04-19 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	0.112	112	85 - 115	2008-04-19
Toluene		mg/Kg	0.100	0.111	111	85 - 115	2008-04-19
Ethylbenzene		mg/Kg	0.100	0.110	110	85 - 115	2008-04-19
Xylene		mg/Kg	0.300	0.333	111	85 - 115	2008-04-19

Standard (ICV-1)

QC Batch: 47611 Date Analyzed: 2008-04-19 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	1.15	115	85 - 115	2008-04-19

Standard (CCV-1)

QC Batch: 47611 Date Analyzed: 2008-04-19 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.13	113	85 - 115	2008-04-19

LAB Order ID # 80417 21 Page 1 of

TraceAnalysis, Inc.

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Company Name: NOVA Environmental — Phone #: 520-7720
Address: (Street, City, Zip) — Fax #:
Contact Person: Ron Rounsaville — E-mail: rrounsaville@novatraining.cc
Invoice to: (If different from above) PLAINS
Project #: SRS # 2001-11056 — Project Name: LEA STATION to Monument 6"
Project Location (including state): LEA CO. 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
157064	N. FLOOR, 15'	1	4oz		X							X		4/16/08	1334
065	SE. ~~BLOCK~~ WALL, 10'	1	"		X							X		"	1337
066	S. FLOOR, 15'	1	"		X							X		"	1340
067	SW. WALL, 9'	1	"		X							X		"	1343
068	S. WALL, 12'	1	"		X							X		"	1346
069	S. EXC. E. WALL, 6'	1	"		X							X		4/16/08	1351
070	S. EXC. S. WALL, 5'	1	"		X							X		"	1353
071	S. EXC. N. WALL, 6'	1	"		X							X		"	1356
072	S. EXC. W. WALL, 6'	1	"		X							X		"	1402
073	S. EXC. FLOOR, 8'	1	"		X							X		"	1358

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															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ron Rounsaville		4/17/08	1000		TRACE	4/17/08	10:00	1.9°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

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TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: April 30, 2008

Work Order: 8042323

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
157646	S. Wall-2, 14'	soil	2008-04-23	08:40	2008-04-23

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 5 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.

Analytical Report

Sample: 157646 - S. Wall-2, 14'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47879	Date Analyzed:	2008-04-28	Analyzed By:	LD
Prep Batch:	41166	Sample Preparation:	2008-04-28	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1830**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		176	mg/Kg	5	100	176	10 - 250.4

Sample: 157646 - S. Wall-2, 14'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47924	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41211	Sample Preparation:	2008-04-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**108**	mg/Kg	50	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	1.49	mg/Kg	50	1.00	149	75.6 - 128
4-Bromofluorobenzene (4-BFB)	[2]	11.5	mg/Kg	50	1.00	1150	78.5 - 139

Method Blank (1) QC Batch: 47879

QC Batch:	47879	Date Analyzed:	2008-04-28	Analyzed By:	LD
Prep Batch:	41166	QC Preparation:	2008-04-28	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		70.5	mg/Kg	1	100	70	30.9 - 146.4

Method Blank (1) QC Batch: 47924

QC Batch:	47924	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41211	QC Preparation:	2008-04-29	Prepared By:	MT

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

Parameter	Flag	MDL Result	Units	RL
GRO		<0.144	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	1	1.00	97	85 - 116
4-Bromofluorobenzene (4-BFB)		0.561	mg/Kg	1	1.00	56	45.2 - 98.8

Laboratory Control Spike (LCS-1)

QC Batch: 47879 | Date Analyzed: 2008-04-28 | Analyzed By: LD
Prep Batch: 41166 | QC Preparation: 2008-04-28 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	196	mg/Kg	1	250	<15.8	78	27.8 - 152.1

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
DRO	224	mg/Kg	1	250	<15.8	90	27.8 - 152.1	13	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	65.4	67.5	mg/Kg	1	100	65	68	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 47924 | Date Analyzed: 2008-04-29 | Analyzed By: MT
Prep Batch: 41211 | QC Preparation: 2008-04-29 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.96	mg/Kg	1	10.0	<0.144	100	76.4 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.70	mg/Kg	1	10.0	<0.144	97	76.4 - 115	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)	0.996	0.941	mg/Kg	1	1.00	100	94	80.3 - 113
4-Bromofluorobenzene (4-BFB)	0.972	0.953	mg/Kg	1	1.00	97	95	70.7 - 110

Matrix Spike (MS-1) Spiked Sample: 157559

QC Batch: 47879 | Date Analyzed: 2008-04-28 | Analyzed By: LD
Prep Batch: 41166 | QC Preparation: 2008-04-28 | Prepared By: LD

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[3]	3500	mg/Kg	5	250	2537.31	385	18 - 179.5

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	[4]	2470	mg/Kg	5	250	2537.31	0	18 - 179.5	34	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	[5] [6]	169	228	mg/Kg	5	100	169	228	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 157555

QC Batch: 47924 | Date Analyzed: 2008-04-29 | Analyzed By: MT
Prep Batch: 41211 | QC Preparation: 2008-04-29 | Prepared By: MT

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	[7]	272	mg/Kg	20	10.0	240	320	40.1 - 154

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	[8]	313	mg/Kg	20	10.0	240	730	40.1 - 154	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)		1.12	1.13	mg/Kg	20	1	112	113	16.6 - 155
4-Bromofluorobenzene (4-BFB)	[9] [10]	15.3	24.1	mg/Kg	20	1	1530	2410	40.1 - 176

Standard (CCV-1)

QC Batch: 47879 | Date Analyzed: 2008-04-28 | Analyzed By: LD

[3]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[4]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[5]High surrogate recovery due to peak interference.
[6]High surrogate recovery due to peak interference.
[7]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[8]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[9]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[10]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	214	86	85 - 115	2008-04-28

Standard (CCV-2)

QC Batch: 47879 Date Analyzed: 2008-04-28 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	218	87	85 - 115	2008-04-28

Standard (ICV-1)

QC Batch: 47924 Date Analyzed: 2008-04-29 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.920	92	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47924 Date Analyzed: 2008-04-29 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.954	95	85 - 115	2008-04-29

LAB Order ID # 8042323 Page 1 of 1

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Company Name: NOVA Phone #:

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

Contact Person: Ron Roumsaville E-mail: rroumsaville@novatraining.cc

Invoice to: (If different from above) PLAINS

Project #: SRS# 2001-11056 Project Name: LEA STATION to Monument 6"

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

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
52646	S. Wall-2, 14'	1	4oz		X							X		4/23/08	0840

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															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ronald Roumsaville		4/23/08	1300	[illegible]	Trace	4/23/08	13:00	2.6°C
[illegible]	Trace	4/23/08	13:00					

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

REMARKS:

- ☐ 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 #

ORIGINAL COPY

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
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Analytical and Quality Control Report

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

Report Date: May 5, 2008

Work Order: 8042914

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
158226	South Wall-4, 13'	soil	2008-04-28	09:30	2008-04-28
158227	East Wall-3, 13'	soil	2008-04-28	09:35	2008-04-28
158228	West Wall-3, 13'	soil	2008-04-28	09:27	2008-04-28
158229	South Floor-2, 15'	soil	2008-04-28	09:36	2008-04-28

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

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 158226 - South Wall-4, 13'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48037	Date Analyzed:	2008-05-02	Analyzed By:	MT
Prep Batch:	41303	Sample Preparation:	2008-05-02	Prepared By:	MT

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)		0.864	mg/Kg	1	1.00	86	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	59.2 - 162

Sample: 158226 - South Wall-4, 13'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47932	Date Analyzed:	2008-04-29	Analyzed By:	RM
Prep Batch:	41218	Sample Preparation:	2008-04-29	Prepared By:	RM

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		139	mg/Kg	1	100	139	49.5 - 185

Sample: 158226 - South Wall-4, 13'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47925	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41212	Sample Preparation:	2008-04-29	Prepared By:	MT

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)		0.971	mg/Kg	1	1.00	97	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	1.00	132	78.5 - 139

Sample: 158227 - East Wall-3, 13'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48037	Date Analyzed:	2008-05-02	Analyzed By:	MT
Prep Batch:	41303	Sample Preparation:	2008-05-02	Prepared By:	MT

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)		0.860	mg/Kg	1	1.00	86	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	59.2 - 162

Sample: 158227 - East Wall-3, 13'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47932	Date Analyzed:	2008-04-29	Analyzed By:	RM
Prep Batch:	41218	Sample Preparation:	2008-04-29	Prepared By:	RM

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		112	mg/Kg	1	100	112	49.5 - 185

Sample: 158227 - East Wall-3, 13'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47925	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41212	Sample Preparation:	2008-04-29	Prepared By:	MT

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	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	1.00	132	78.5 - 139

Sample: 158228 - West Wall-3, 13'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48037	Date Analyzed:	2008-05-02	Analyzed By:	MT
Prep Batch:	41303	Sample Preparation:	2008-05-02	Prepared By:	MT

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)		0.863	mg/Kg	1	1.00	86	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	59.2 - 162

Sample: 158228 - West Wall-3, 13'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47932	Date Analyzed:	2008-04-29	Analyzed By:	RM
Prep Batch:	41218	Sample Preparation:	2008-04-29	Prepared By:	RM

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		126	mg/Kg	1	100	126	49.5 - 185

Sample: 158228 - West Wall-3, 13'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47925	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41212	Sample Preparation:	2008-04-29	Prepared By:	MT

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	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.37	mg/Kg	1	1.00	137	78.5 - 139

Sample: 158229 - South Floor-2, 15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48037	Date Analyzed:	2008-05-02	Analyzed By:	MT
Prep Batch:	41303	Sample Preparation:	2008-05-02	Prepared By:	MT

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)		0.859	mg/Kg	1	1.00	86	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.29	mg/Kg	1	1.00	129	59.2 - 162

Sample: 158229 - South Floor-2, 15'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	47932	Date Analyzed:	2008-04-29	Analyzed By:	RM
Prep Batch:	41218	Sample Preparation:	2008-04-29	Prepared By:	RM

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		128	mg/Kg	1	100	128	49.5 - 185

Sample: 158229 - South Floor-2, 15'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	47925	Date Analyzed:	2008-04-29	Analyzed By:	MT
Prep Batch:	41212	Sample Preparation:	2008-04-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**9.08**	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	75.6 - 128
4-Bromofluorobenzene (4-BFB)	[1]	1.50	mg/Kg	1	1.00	150	78.5 - 139

[1] High surrogate recovery due to peak interference.

Method Blank (1) QC Batch: 47925

QC Batch: 47925 Date Analyzed: 2008-04-29 Analyzed By: MT
Prep Batch: 41212 QC Preparation: 2008-04-29 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.144	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.931	mg/Kg	1	1.00	93	85 - 116
4-Bromofluorobenzene (4-BFB)		0.660	mg/Kg	1	1.00	66	45.2 - 98.8

Method Blank (1) QC Batch: 47932

QC Batch: 47932 Date Analyzed: 2008-04-29 Analyzed By: RM
Prep Batch: 41218 QC Preparation: 2008-04-29 Prepared By: RM

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		166	mg/Kg	1	100	166	49.5 - 185

Method Blank (1) QC Batch: 48037

QC Batch: 48037 Date Analyzed: 2008-05-02 Analyzed By: MT
Prep Batch: 41303 QC Preparation: 2008-05-02 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.822	mg/Kg	1	1.00	82	70.4 - 111
4-Bromofluorobenzene (4-BFB)	[2]	1.04	mg/Kg	1	1.00	104	42.4 - 99.7

Laboratory Control Spike (LCS-1)

QC Batch: 47925 Date Analyzed: 2008-04-29 Analyzed By: MT
Prep Batch: 41212 QC Preparation: 2008-04-29 Prepared By: MT

[2]Surrogate recovery outside control limits, but within method limits. •

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.53	mg/Kg	1	10.0	<0.144	95	76.4 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.6	mg/Kg	1	10.0	<0.144	106	76.4 - 115	11	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)	0.970	1.11	mg/Kg	1	1.00	97	111	80.3 - 113
4-Bromofluorobenzene (4-BFB)	1.04	1.07	mg/Kg	1	1.00	104	107	70.7 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 47932 | Date Analyzed: 2008-04-29 | Analyzed By: RM
Prep Batch: 41218 | QC Preparation: 2008-04-29 | Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	265	mg/Kg	1	250	<6.77	106	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	262	mg/Kg	1	250	<6.77	105	73.9 - 138	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	119	121	mg/Kg	1	100	119	121	49.5 - 185

Laboratory Control Spike (LCS-1)

QC Batch: 48037 | Date Analyzed: 2008-05-02 | Analyzed By: MT
Prep Batch: 41303 | QC Preparation: 2008-05-02 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.825	mg/Kg	1	1.00	<0.00347	82	77.2 - 116
Toluene	0.821	mg/Kg	1	1.00	<0.00525	82	77.4 - 116
Ethylbenzene	0.806	mg/Kg	1	1.00	<0.00607	81	77.4 - 112
Xylene	2.41	mg/Kg	1	3.00	<0.00724	80	78.8 - 111

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	0.829	mg/Kg	1	1.00	<0.00347	83	77.2 - 116	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	0.825	mg/Kg	1	1.00	<0.00525	82	77.4 - 116	0	20
Ethylbenzene	0.810	mg/Kg	1	1.00	<0.00607	81	77.4 - 112	0	20
Xylene	2.42	mg/Kg	1	3.00	<0.00724	81	78.8 - 111	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)	0.800	0.797	mg/Kg	1	1.00	80	80	74.2 - 114
4-Bromofluorobenzene (4-BFB)	0.888	0.892	mg/Kg	1	1.00	89	89	75.7 - 114

Matrix Spike (MS-1) Spiked Sample: 157896

QC Batch: 47925 | Date Analyzed: 2008-04-29 | Analyzed By: MT
Prep Batch: 41212 | QC Preparation: 2008-04-29 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO [3]	1120	mg/Kg	20	10.0	1060	600	40.1 - 154

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 [4]	1040	mg/Kg	20	10.0	1060	-200	40.1 - 154	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)	0.995	0.939	mg/Kg	20	1	100	94	16.6 - 155
4-Bromofluorobenzene (4-BFB) [5 6]	82.2	73.1	mg/Kg	20	1	8220	7310	40.1 - 176

Matrix Spike (MS-1) Spiked Sample: 157720

QC Batch: 47932 | Date Analyzed: 2008-04-29 | Analyzed By: RM
Prep Batch: 41218 | QC Preparation: 2008-04-29 | Prepared By: RM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	279	mg/Kg	1	250	<6.77	112	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	284	mg/Kg	1	250	<6.77	114	50.7 - 134	2	20

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

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	132	132	mg/Kg	1	100	132	132	49.5 - 185

Matrix Spike (MS-1) Spiked Sample: 158228

QC Batch: 48037 | Date Analyzed: 2008-05-02 | Analyzed By: MT
Prep Batch: 41303 | QC Preparation: 2008-05-02 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.794	mg/Kg	1	1.00	<0.00347	79	10 - 159
Toluene	0.782	mg/Kg	1	1.00	<0.00525	78	10 - 170
Ethylbenzene	0.861	mg/Kg	1	1.00	<0.00607	86	10 - 181
Xylene	2.63	mg/Kg	1	3.00	<0.00724	88	10 - 184

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	0.816	mg/Kg	1	1.00	<0.00347	82	10 - 159	3	20
Toluene	0.832	mg/Kg	1	1.00	<0.00525	83	10 - 170	6	20
Ethylbenzene	0.879	mg/Kg	1	1.00	<0.00607	88	10 - 181	2	20
Xylene	2.73	mg/Kg	1	3.00	<0.00724	91	10 - 184	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)	0.987	1.14	mg/Kg	1	1	99	114	66.1 - 117
4-Bromofluorobenzene (4-BFB)	1.20	1.26	mg/Kg	1	1	120	126	63.8 - 146

Standard (ICV-1)

QC Batch: 47925 | Date Analyzed: 2008-04-29 | Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.962	96	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47925 | Date Analyzed: 2008-04-29 | Analyzed By: MT

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	2008-04-29

Standard (CCV-1)

QC Batch: 47932 | Date Analyzed: 2008-04-29 | Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	271	108	85 - 115	2008-04-29

Standard (CCV-2)

QC Batch: 47932 Date Analyzed: 2008-04-29 Analyzed By: RM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	279	112	85 - 115	2008-04-29

Standard (ICV-1)

QC Batch: 48037 Date Analyzed: 2008-05-02 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0886	89	85 - 115	2008-05-02
Toluene		mg/Kg	0.100	0.0874	87	85 - 115	2008-05-02
Ethylbenzene		mg/Kg	0.100	0.0863	86	85 - 115	2008-05-02
Xylene		mg/Kg	0.300	0.258	86	85 - 115	2008-05-02

Standard (CCV-1)

QC Batch: 48037 Date Analyzed: 2008-05-02 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0865	86	85 - 115	2008-05-02
Toluene		mg/Kg	0.100	0.0863	86	85 - 115	2008-05-02
Ethylbenzene		mg/Kg	0.100	0.0882	88	85 - 115	2008-05-02
Xylene		mg/Kg	0.300	0.269	90	85 - 115	2008-05-02

LAB Order ID # 80 42914 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: NOVA — Phone #:

Address: (Street, City, Zip) — Fax #:

Contact Person: Ron Roumsaville — E-mail: rroumsaville@novatraining.cc

Invoice to: (If different from above) PLAINS

Project #: SRS# 2001-11056 — Project Name: LEA STATION to Monument 6"

Project Location (including state): LEA CO. NM — Sampler Signature: Ron Roumsaville

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
158226	South WALL-4, 13'	1	4oz		X							X		4/28/08	0930				X														
227	EAST WALL-3, 13'	1	"		X							X		"	0935				X														
228	WEST WALL-3, 13'	1	"		X							X		"	0927				X														
229	South FLOOR-2, 15'	1	"		X							X		"	0936				X														

Relinquished by: Ron Roumsaville Date: 4/28/08 Time: 1425 — Received by: — Date: — Time:

Relinquished by: — Date: — Time: — Received by: — Date: — Time:

Relinquished by: — Date: — Time: — Received at Laboratory by: [signature] Date: 4/28/08 Time: 14:45

LAB USE ONLY

Intact (Y) / N

Headspace Y / N

Temp 2.1 °C

Log-in-Review T.O.

REMARKS: all tests - Lubbock

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

Carrier # carry-in / Lone Star 820358

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

ORIGINAL COPY 042908 0920 40

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

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

Report Date: May 16, 2008

Work Order: 8051319

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
159684	SS-1	soil	2008-05-13	10:50	2008-05-13
159685	SS-2	soil	2008-05-13	10:53	2008-05-13
159686	SS-3	soil	2008-05-13	10:55	2008-05-13
159687	SS-4	soil	2008-05-13	10:58	2008-05-13
159688	SS-5	soil	2008-05-13	11:00	2008-05-13
159689	SS-6	soil	2008-05-13	11:03	2008-05-13
159690	SS-7	soil	2008-05-13	11:05	2008-05-13
159691	SS-8	soil	2008-05-13	11:08	2008-05-13
159692	SS-9	soil	2008-05-13	11:13	2008-05-13
159693	SS-10	soil	2008-05-13	11:16	2008-05-13
159694	SS-11	soil	2008-05-13	11:20	2008-05-13
159695	SS-12	soil	2008-05-13	11:23	2008-05-13
159696	SS-13	soil	2008-05-13	11:26	2008-05-13
159697	SS-14	soil	2008-05-13	11:30	2008-05-13
159698	SS-15	soil	2008-05-13	11:33	2008-05-13

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.

TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 159684 - SS-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0625**	mg/Kg	2	0.0100
Xylene		**0.114**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.04	mg/Kg	2	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		2.56	mg/Kg	2	2.00	128	70 - 130

Sample: 159684 - SS-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1000**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		218	mg/Kg	1	100	218	10 - 250.4

Sample: 159684 - SS-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**72.1**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	29.4	mg/Kg	10	10.0	294	70 - 130
4-Bromofluorobenzene (4-BFB)	[2]	24.2	mg/Kg	10	10.0	242	70 - 130

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

Sample: 159685 - SS-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0326**	mg/Kg	2	0.0100
Xylene		**0.0953**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		2.33	mg/Kg	2	2.00	116	70 - 130

Sample: 159685 - SS-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**960**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	294	mg/Kg	1	100	294	10 - 250.4

Sample: 159685 - SS-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**26.2**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.3	mg/Kg	10	10.0	123	70 - 130
4-Bromofluorobenzene (4-BFB)		12.0	mg/Kg	10	10.0	120	70 - 130

[3]High surrogate recovery due to peak interference.

Sample: 159686 - SS-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

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		**0.0539**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	2	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		2.39	mg/Kg	2	2.00	120	70 - 130

Sample: 159686 - SS-3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**736**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	100	178	10 - 250.4

Sample: 159686 - SS-3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**32.0**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.3	mg/Kg	10	10.0	123	70 - 130
4-Bromofluorobenzene (4-BFB)		10.5	mg/Kg	10	10.0	105	70 - 130

Sample: 159687 - SS-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0200		mg/Kg	2	0.0100
Toluene		<0.0200		mg/Kg	2	0.0100
Ethylbenzene		**0.0356**		mg/Kg	2	0.0100
Xylene		**0.0683**		mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	2	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		2.47	mg/Kg	2	2.00	124	70 - 130

Sample: 159687 - SS-4

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**1020**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		168	mg/Kg	1	100	168	10 - 250.4

Sample: 159687 - SS-4

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**44.4**		mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.2	mg/Kg	10	10.0	122	70 - 130
4-Bromofluorobenzene (4-BFB)		12.7	mg/Kg	10	10.0	127	70 - 130

Sample: 159688 - SS-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0415**	mg/Kg	2	0.0100
Xylene		**0.0796**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/Kg	2	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)	[4]	2.68	mg/Kg	2	2.00	134	70 - 130

Sample: 159688 - SS-5

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**895**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		119	mg/Kg	1	100	119	10 - 250.4

Sample: 159688 - SS-5

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**60.7**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.0	mg/Kg	10	10.0	120	70 - 130
4-Bromofluorobenzene (4-BFB)		13.0	mg/Kg	10	10.0	130	70 - 130

[4]High surrogate recovery due to peak interference.

Sample: 159689 - SS-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0265**	mg/Kg	2	0.0100
Xylene		**0.0536**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/Kg	2	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		2.49	mg/Kg	2	2.00	124	70 - 130

Sample: 159689 - SS-6

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**889**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		176	mg/Kg	1	100	176	10 - 250.4

Sample: 159689 - SS-6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**49.2**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.4	mg/Kg	10	10.0	124	70 - 130
4-Bromofluorobenzene (4-BFB)		11.1	mg/Kg	10	10.0	111	70 - 130

Sample: 159690 - SS-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0380**	mg/Kg	2	0.0100
Xylene		**0.0832**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	2	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		2.54	mg/Kg	2	2.00	127	70 - 130

Sample: 159690 - SS-7

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**886**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		128	mg/Kg	1	100	128	10 - 250.4

Sample: 159690 - SS-7

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**55.7**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.3	mg/Kg	10	10.0	123	70 - 130
4-Bromofluorobenzene (4-BFB)		10.5	mg/Kg	10	10.0	105	70 - 130

Sample: 159691 - SS-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0200		mg/Kg	2	0.0100
Toluene		<0.0200		mg/Kg	2	0.0100
Ethylbenzene		**0.0325**		mg/Kg	2	0.0100
Xylene		**0.0656**		mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.96	mg/Kg	2	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)		2.55	mg/Kg	2	2.00	128	70 - 130

Sample: 159691 - SS-8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**820**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[5]	260	mg/Kg	1	100	260	10 - 250.4

Sample: 159691 - SS-8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**51.0**		mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		11.6	mg/Kg	10	10.0	116	70 - 130
4-Bromofluorobenzene (4-BFB)		12.9	mg/Kg	10	10.0	129	70 - 130

[5]High surrogate recovery due to peak interference.

Sample: 159692 - SS-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48448	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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		**0.0756**	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.62	mg/Kg	5	5.00	112	70 - 130
4-Bromofluorobenzene (4-BFB)		6.08	mg/Kg	5	5.00	122	70 - 130

Sample: 159692 - SS-9

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**724**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		155	mg/Kg	1	100	155	10 - 250.4

Sample: 159692 - SS-9

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**57.5**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		6.27	mg/Kg	5	5.00	125	70 - 130
4-Bromofluorobenzene (4-BFB)		5.91	mg/Kg	5	5.00	118	70 - 130

Sample: 159693 - SS-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		<0.0200	mg/Kg	2	0.0100
Ethylbenzene		**0.0608**	mg/Kg	2	0.0100
Xylene		**0.114**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.09	mg/Kg	2	2.00	104	70 - 130
4-Bromofluorobenzene (4-BFB)	[6]	2.84	mg/Kg	2	2.00	142	70 - 130

Sample: 159693 - SS-10

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**870**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		174	mg/Kg	1	100	174	10 - 250.4

Sample: 159693 - SS-10

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**64.1**	mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		23.5	mg/Kg	20	20.0	118	70 - 130
4-Bromofluorobenzene (4-BFB)		23.9	mg/Kg	20	20.0	120	70 - 130

[6]High surrogate recovery due to peak interference.

Sample: 159694 - SS-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

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		**0.0245**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	2	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		2.49	mg/Kg	2	2.00	124	70 - 130

Sample: 159694 - SS-11

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**610**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		223	mg/Kg	1	100	223	10 - 250.4

Sample: 159694 - SS-11

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**27.7**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		12.0	mg/Kg	10	10.0	120	70 - 130
4-Bromofluorobenzene (4-BFB)		10.6	mg/Kg	10	10.0	106	70 - 130

Sample: 159695 - SS-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	Sample Preparation:	2008-05-15	Prepared By:	DC

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		**0.0437**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.04	mg/Kg	2	2.00	102	70 - 130
4-Bromofluorobenzene (4-BFB)		2.55	mg/Kg	2	2.00	128	70 - 130

Sample: 159695 - SS-12

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**837**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		166	mg/Kg	1	100	166	10 - 250.4

Sample: 159695 - SS-12

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**41.1**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		11.9	mg/Kg	10	10.0	119	70 - 130
4-Bromofluorobenzene (4-BFB)		10.6	mg/Kg	10	10.0	106	70 - 130

Sample: 159696 - SS-13

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48448	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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		**0.0208**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.18	mg/Kg	2	2.00	109	70 - 130
4-Bromofluorobenzene (4-BFB)		2.41	mg/Kg	2	2.00	120	70 - 130

Sample: 159696 - SS-13

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**302**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		172	mg/Kg	1	100	172	10 - 250.4

Sample: 159696 - SS-13

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**19.3**	mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.43	mg/Kg	2	2.00	122	70 - 130
4-Bromofluorobenzene (4-BFB)		2.33	mg/Kg	2	2.00	116	70 - 130

Sample: 159697 - SS-14

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48448	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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)		1.06	mg/Kg	1	1.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		1.25	mg/Kg	1	1.00	125	70 - 130

Sample: 159697 - SS-14

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**276**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		153	mg/Kg	1	100	153	10 - 250.4

Sample: 159697 - SS-14

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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)		1.20	mg/Kg	1	1.00	120	70 - 130
4-Bromofluorobenzene (4-BFB)		1.26	mg/Kg	1	1.00	126	70 - 130

Sample: 159698 - SS-15

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48448	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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)		1.06	mg/Kg	1	1.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	70 - 130

Sample: 159698 - SS-15

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	Sample Preparation:	2008-05-14	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		107	mg/Kg	1	100	107	10 - 250.4

Sample: 159698 - SS-15

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	Sample Preparation:	2008-05-14	Prepared By:	DC

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)		1.19	mg/Kg	1	1.00	119	70 - 130
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	70 - 130

Method Blank (1) QC Batch: 48423

QC Batch:	48423	Date Analyzed:	2008-05-14	Analyzed By:	LD
Prep Batch:	41641	QC Preparation:	2008-05-14	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		<15.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		118	mg/Kg	1	100	118	30.9 - 146.4

Method Blank (1) QC Batch: 48448

QC Batch:	48448	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	QC Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	70 - 130

Method Blank (1) QC Batch: 48449

QC Batch:	48449	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41629	QC Preparation:	2008-05-14	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.18	mg/Kg	1	1.00	118	70 - 130
4-Bromofluorobenzene (4-BFB)		0.996	mg/Kg	1	1.00	100	70 - 130

Method Blank (1) QC Batch: 48460

QC Batch:	48460	Date Analyzed:	2008-05-15	Analyzed By:	DC
Prep Batch:	41650	QC Preparation:	2008-05-15	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/Kg	1	1.00	106	70 - 130
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 48423 | Date Analyzed: 2008-05-14 | Analyzed By: LD
Prep Batch: 41641 | QC Preparation: 2008-05-14 | Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	240	mg/Kg	1	250	<15.8	96	27.8 - 152.1

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
DRO	260	mg/Kg	1	250	<15.8	104	27.8 - 152.1	8	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	95.6	97.9	mg/Kg	1	100	96	98	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 48448 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41629 | QC Preparation: 2008-05-14 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.02	mg/Kg	1	1.00	<0.00110	102	70 - 130
Toluene	1.04	mg/Kg	1	1.00	<0.00150	104	70 - 130
Ethylbenzene	1.05	mg/Kg	1	1.00	<0.00160	105	70 - 130
Xylene	3.12	mg/Kg	1	3.00	<0.00410	104	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
Benzene	0.963	mg/Kg	1	1.00	<0.00110	96	70 - 130	6	20
Toluene	0.973	mg/Kg	1	1.00	<0.00150	97	70 - 130	7	20

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control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	0.990	mg/Kg	1	1.00	<0.00160	99	70 - 130	6	20
Xylene	2.94	mg/Kg	1	3.00	<0.00410	98	70 - 130	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)	1.06	1.08	mg/Kg	1	1.00	106	108	70 - 130
4-Bromofluorobenzene (4-BFB)	1.07	1.06	mg/Kg	1	1.00	107	106	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 48449 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41629 | QC Preparation: 2008-05-14 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.41	mg/Kg	1	10.0	<0.739	84	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	8.58	mg/Kg	1	10.0	<0.739	86	70 - 130	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)	1.20	1.18	mg/Kg	1	1.00	120	118	70 - 130
4-Bromofluorobenzene (4-BFB)	1.05	1.04	mg/Kg	1	1.00	105	104	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 48460 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41650 | QC Preparation: 2008-05-15 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.994	mg/Kg	1	1.00	<0.00110	99	70 - 130
Toluene	0.995	mg/Kg	1	1.00	<0.00150	100	70 - 130
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	70 - 130
Xylene	3.01	mg/Kg	1	3.00	<0.00410	100	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
Benzene	1.03	mg/Kg	1	1.00	<0.00110	103	70 - 130	4	20
Toluene	1.04	mg/Kg	1	1.00	<0.00150	104	70 - 130	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	1.05	mg/Kg	1	1.00	<0.00160	105	70 - 130	4	20
Xylene	3.12	mg/Kg	1	3.00	<0.00410	104	70 - 130	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)	1.03	1.06	mg/Kg	1	1.00	103	106	70 - 130
4-Bromofluorobenzene (4-BFB)	1.07	1.12	mg/Kg	1	1.00	107	112	70 - 130

Matrix Spike (MS-1) Spiked Sample: 159685

QC Batch: 48423 | Date Analyzed: 2008-05-14 | Analyzed By: LD
Prep Batch: 41641 | QC Preparation: 2008-05-14 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	1120	mg/Kg	1	250	960	64	18 - 179.5

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	1090	mg/Kg	1	250	960	52	18 - 179.5	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 [7] [8]	179	189	mg/Kg	1	100	179	189	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 159698

QC Batch: 48448 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41629 | QC Preparation: 2008-05-14 | Prepared By: DC

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[9]	1.42	mg/Kg	1	1.00	<0.00110	142	70 - 130
Toluene	[10]	1.45	mg/Kg	1	1.00	<0.00150	145	70 - 130
Ethylbenzene	[11]	1.49	mg/Kg	1	1.00	<0.00160	149	70 - 130
Xylene	[12]	4.45	mg/Kg	1	3.00	<0.00410	148	70 - 130

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

[7]High surrogate recovery due to peak interference.
[8]High surrogate recovery due to peak interference.
[9]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[12]Matrix spike recovery out of control limits due to matrix 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
Benzene	1.19	mg/Kg	1	1.00	<0.00110	119	70 - 130	18	20
Toluene	1.21	mg/Kg	1	1.00	<0.00150	121	70 - 130	18	20
Ethylbenzene	1.24	mg/Kg	1	1.00	<0.00160	124	70 - 130	18	20
Xylene	3.71	mg/Kg	1	3.00	<0.00410	124	70 - 130	18	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)	1.06	1.09	mg/Kg	1	1	106	109	70 - 130
4-Bromofluorobenzene (4-BFB)	1.18	1.21	mg/Kg	1	1	118	121	70 - 130

Matrix Spike (MS-1) Spiked Sample: 159684

QC Batch: 48449 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41629 | QC Preparation: 2008-05-14 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	178	mg/Kg	10	100	72.128	106	70 - 130

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	174	mg/Kg	10	100	72.128	102	70 - 130	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)	[13]	30.1	12.8	mg/Kg	10	10	301	128	70 - 130
4-Bromofluorobenzene (4-BFB)	[14]	24.3	11.0	mg/Kg	10	10	243	110	70 - 130

Matrix Spike (MS-1) Spiked Sample: 159684

QC Batch: 48460 | Date Analyzed: 2008-05-15 | Analyzed By: DC
Prep Batch: 41650 | QC Preparation: 2008-05-15 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.02	mg/Kg	2	2.00	<0.00220	101	70 - 130
Toluene	2.12	mg/Kg	2	2.00	0.0157	105	70 - 130
Ethylbenzene	2.26	mg/Kg	2	2.00	0.0625	110	70 - 130
Xylene	6.64	mg/Kg	2	6.00	0.1139	109	70 - 130

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

[13]High surrogate recovery due to peak interference.
[14]High surrogate recovery due to peak interference.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.15	mg/Kg	2	2.00	<0.00220	108	70 - 130	6	20
Toluene	2.26	mg/Kg	2	2.00	0.0157	112	70 - 130	6	20
Ethylbenzene	2.37	mg/Kg	2	2.00	0.0625	115	70 - 130	5	20
Xylene	6.96	mg/Kg	2	6.00	0.1139	114	70 - 130	5	20

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

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		2.01	2.02	mg/Kg	2	2	100	101	70 - 130
4-Bromofluorobenzene (4-BFB)	[15] [16]	2.69	2.64	mg/Kg	2	2	134	132	70 - 130

Standard (ICV-1)

QC Batch: 48423 Date Analyzed: 2008-05-14 Analyzed By: LD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	258	103	85 - 115	2008-05-14

Standard (CCV-1)

QC Batch: 48423 Date Analyzed: 2008-05-14 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	2008-05-14

Standard (CCV-2)

QC Batch: 48423 Date Analyzed: 2008-05-14 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	2008-05-14

Standard (ICV-1)

QC Batch: 48448 Date Analyzed: 2008-05-15 Analyzed By: DC

[15]High surrogate recovery due to peak interference.
[16]High surrogate recovery due to peak interference.

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	2008-05-15
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2008-05-15
Ethylbenzene		mg/Kg	0.100	0.104	104	85 - 115	2008-05-15
Xylene		mg/Kg	0.300	0.309	103	85 - 115	2008-05-15

Standard (CCV-1)

QC Batch: 48448 Date Analyzed: 2008-05-15 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.106	106	85 - 115	2008-05-15
Toluene		mg/Kg	0.100	0.107	107	85 - 115	2008-05-15
Ethylbenzene		mg/Kg	0.100	0.109	109	85 - 115	2008-05-15
Xylene		mg/Kg	0.300	0.324	108	85 - 115	2008-05-15

Standard (ICV-1)

QC Batch: 48449 Date Analyzed: 2008-05-15 Analyzed By: DC

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	2008-05-15

Standard (CCV-1)

QC Batch: 48449 Date Analyzed: 2008-05-15 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.11	111	85 - 115	2008-05-15

Standard (ICV-1)

QC Batch: 48460 Date Analyzed: 2008-05-15 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.112	112	85 - 115	2008-05-15
Toluene		mg/Kg	0.100	0.113	113	85 - 115	2008-05-15
Ethylbenzene		mg/Kg	0.100	0.114	114	85 - 115	2008-05-15
Xylene		mg/Kg	0.300	0.340	113	85 - 115	2008-05-15

Standard (CCV-1)

QC Batch: 48460 | Date Analyzed: 2008-05-15 | Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.103	103	85 - 115	2008-05-15
Toluene		mg/Kg	0.100	0.104	104	85 - 115	2008-05-15
Ethylbenzene		mg/Kg	0.100	0.105	105	85 - 115	2008-05-15
Xylene		mg/Kg	0.300	0.311	104	85 - 115	2008-05-15

LAB Order ID # 8051319 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

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: NOVA Environmental — Phone #: 520-7720

Address: (Street, City, Zip) — Fax #:

Contact Person: Ron Rounsaville — E-mail: rounsaville@novatraining.cc

Invoice to: (If different from above) PLAINS

Project #: SRS# 2001-11056 — Project Name: Lea STATION to Monument 6"

Project Location (including state): Lea Co. 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
684	SS-1	1	4oz		X							X		5/13	1050
685	SS-2	1			X							X			1053
686	SS-3	1			X							X			1055
687	SS-4	1			X							X			1058
688	SS-5	1			X							X			1100
689	SS-6	1			X							X			1103
690	SS-7	1			X							X			1105
691	SS-8	1			X							X			1108
692	SS-9	1			X							X			1113
693	SS-10	1	4oz		X							X		5/13	1116

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															

Relinquished by: Ron Rounsaville Date: 5/13/08 Time: 1712 — Received by: Helen Shelton Date: 5/13/08 Time: 17:12

Relinquished by: Date: Time: — Received by: Date: Time:

Relinquished by: Date: Time: — Received at Laboratory by: Date: Time:

LAB USE ONLY
Intact (Y) N
Headspace Y / N (NA)
Temp 3.5 °C
Log-In-Review

REMARKS: all tests - Midland

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

Carrier # Courier

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C. , 0-HS

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LAB Order ID # 805 1319 Page 2 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
6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

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 # 2001-11056 | Project Name: LEA STATION to Monument 6"

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	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
159694	SS-11	1	4oz		X							X		5/13	1120		X		X															
695	SS-12	1			X							X			1123		X		X															
696	SS-13	1			X							X			1126		X		X															
697	SS-14	1			X							X			1130		X		X															
698	SS-15	1			X							X			1133		X		X															

Relinquished by: Ron Rounsaville Date: 5/13/08 Time: 1712 | Received by: Helen Shelton Date: 5/13/08 Time: 1712

Relinquished by: Date: Time: | Received by: Date: Time:

Relinquished by: Date: Time: | Received at Laboratory by: Date: Time:

LAB USE ONLY: Intact Y / N; Headspace Y / N / NA; Temp 3.5 °C; 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. 5-HS

ORIGINAL COPY

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

Analytical and Quality Control Report

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

Report Date: May 28, 2008

Work Order: 8052303

Project Location: Lea County, NM
Project Name: Lea Station to Monument 6 inch
Project Number: Lea Station to Monument 6 inch
SRS#: SRS# 2001-11056

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
161006	SS2-1	soil	2008-05-22	10:03	2008-05-23
161007	SS2-2	soil	2008-05-22	10:06	2008-05-23
161008	SS2-3	soil	2008-05-22	10:10	2008-05-23
161009	SS2-4	soil	2008-05-22	10:13	2008-05-23
161010	SS2-5	soil	2008-05-22	10:16	2008-05-23
161011	SS2-6	soil	2008-05-22	10:20	2008-05-23
161012	SS2-7	soil	2008-05-22	10:23	2008-05-23
161013	SS2-8	soil	2008-05-22	10:25	2008-05-23
161014	SS2-9	soil	2008-05-22	10:28	2008-05-23
161015	SS2-10	soil	2008-05-22	10:32	2008-05-23
161016	SS2-11	soil	2008-05-22	10:34	2008-05-23
161017	SS2-12	soil	2008-05-22	10:38	2008-05-23
161018	SS2-13	soil	2008-05-22	10:40	2008-05-23
161019	SS2-14	soil	2008-05-22	10:43	2008-05-23
161020	SS2-15	soil	2008-05-22	10:45	2008-05-23

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

Dr. Blair Leftwich, Director

Certifications
Lubbock - NELAP T104704219-08-TX
El Paso - NELAP T104704221-08-TX

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

Case Narrative

Samples for project Lea Station to Monument 6 inch were received by TraceAnalysis, Inc. on 2008-05-23 and assigned to work order 8052303. Samples for work order 8052303 were received intact at a temperature of 3.5 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 8052303 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: 161006 - SS2-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.907	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.859	mg/Kg	1	1.00	86	70 - 130

Sample: 161006 - SS2-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**408**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		182	mg/Kg	1	100	182	10 - 250.4

Sample: 161006 - SS2-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

continued ...

sample 161006 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	70 - 130
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	70 - 130

Sample: 161007 - SS2-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.914	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.861	mg/Kg	1	1.00	86	70 - 130

Sample: 161007 - SS2-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**346**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	1	100	129	10 - 250.4

Sample: 161007 - SS2-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**11.2**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	70 - 130

Sample: 161008 - SS2-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.902	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.843	mg/Kg	1	1.00	84	70 - 130

Sample: 161008 - SS2-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**320**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	100	132	10 - 250.4

Sample: 161008 - SS2-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.3**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 130

Sample: 161009 - SS2-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.891	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.819	mg/Kg	1	1.00	82	70 - 130

Sample: 161009 - SS2-4

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**395**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		166	mg/Kg	1	100	166	10 - 250.4

Sample: 161009 - SS2-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.86**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	70 - 130

Sample: 161010 - SS2-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.917	mg/Kg	1	1.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.834	mg/Kg	1	1.00	83	70 - 130

Sample: 161010 - SS2-5

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**307**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		136	mg/Kg	1	100	136	10 - 250.4

Sample: 161010 - SS2-5

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**5.61**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 161011 - SS2-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.928	mg/Kg	1	1.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)		0.864	mg/Kg	1	1.00	86	70 - 130

Sample: 161011 - SS2-6

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**271**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		131	mg/Kg	1	100	131	10 - 250.4

Sample: 161011 - SS2-6

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**5.92**		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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	1	1.00	111	70 - 130

Sample: 161012 - SS2-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.894	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.846	mg/Kg	1	1.00	85	70 - 130

Sample: 161012 - SS2-7

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**450**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		13.9	mg/Kg	1	100	14	10 - 250.4

Sample: 161012 - SS2-7

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		1.10	mg/Kg	1	1.00	110	70 - 130
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	70 - 130

Sample: 161013 - SS2-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.878	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.808	mg/Kg	1	1.00	81	70 - 130

Sample: 161013 - SS2-8

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**433**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		154	mg/Kg	1	100	154	10 - 250.4

Sample: 161013 - SS2-8

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**9.19**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	70 - 130

Sample: 161014 - SS2-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.878	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.810	mg/Kg	1	1.00	81	70 - 130

Sample: 161014 - SS2-9

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**434**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	100	147	10 - 250.4

Sample: 161014 - SS2-9

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**9.41**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 130

Sample: 161015 - SS2-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.876	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.812	mg/Kg	1	1.00	81	70 - 130

Sample: 161015 - SS2-10

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**441**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		137	mg/Kg	1	100	137	10 - 250.4

Sample: 161015 - SS2-10

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**7.80**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	70 - 130

Sample: 161016 - SS2-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.878	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.813	mg/Kg	1	1.00	81	70 - 130

Sample: 161016 - SS2-11

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**439**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		128	mg/Kg	1	100	128	10 - 250.4

Sample: 161016 - SS2-11

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.3**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	70 - 130

Sample: 161017 - SS2-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.886	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.815	mg/Kg	1	1.00	82	70 - 130

Sample: 161017 - SS2-12

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**381**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		127	mg/Kg	1	100	127	10 - 250.4

Sample: 161017 - SS2-12

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**3.27**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	70 - 130
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	70 - 130

Sample: 161018 - SS2-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.903	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.841	mg/Kg	1	1.00	84	70 - 130

Sample: 161018 - SS2-13

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**427**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		102	mg/Kg	1	100	102	10 - 250.4

Sample: 161018 - SS2-13

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**13.5**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	70 - 130
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	70 - 130

Sample: 161019 - SS2-14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.895	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.817	mg/Kg	1	1.00	82	70 - 130

Sample: 161019 - SS2-14

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**298**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		141	mg/Kg	1	100	141	10 - 250.4

Sample: 161019 - SS2-14

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.56**	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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	70 - 130

Sample: 161020 - SS2-15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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)		0.901	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.796	mg/Kg	1	1.00	80	70 - 130

Sample: 161020 - SS2-15

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	Sample Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**320**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		153	mg/Kg	1	100	153	10 - 250.4

Sample: 161020 - SS2-15

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	Sample Preparation:	2008-05-27	Prepared By:	DC

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	70 - 130
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	70 - 130

Method Blank (1) QC Batch: 48730

QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	QC Preparation:	2008-05-23	Prepared By:	LD

Parameter	Flag	MDL Result	Units	RL
DRO		18.8	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		66.4	mg/Kg	1	100	66	30.9 - 146.4

Method Blank (1) QC Batch: 48781

QC Batch:	48781	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	QC Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	1	1.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.873	mg/Kg	1	1.00	87	70 - 130

Method Blank (1) QC Batch: 48784

QC Batch:	48784	Date Analyzed:	2008-05-27	Analyzed By:	DC
Prep Batch:	41923	QC Preparation:	2008-05-27	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.22	mg/Kg	1	1.00	122	70 - 130
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch:	48730	Date Analyzed:	2008-05-23	Analyzed By:	LD
Prep Batch:	41882	QC Preparation:	2008-05-23	Prepared By:	LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	256	mg/Kg	1	250	18.8	95	27.8 - 152.1

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
DRO	297	mg/Kg	1	250	18.8	111	27.8 - 152.1	15	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	108	118	mg/Kg	1	100	108	118	38 - 130.4

Laboratory Control Spike (LCS-1)

QC Batch: 48781 | Date Analyzed: 2008-05-27 | Analyzed By: DC
Prep Batch: 41923 | QC Preparation: 2008-05-27 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.842	mg/Kg	1	1.00	<0.00110	84	70 - 130
Toluene	0.878	mg/Kg	1	1.00	<0.00150	88	70 - 130
Ethylbenzene	0.911	mg/Kg	1	1.00	<0.00160	91	70 - 130
Xylene	2.68	mg/Kg	1	3.00	<0.00410	89	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
Benzene	0.843	mg/Kg	1	1.00	<0.00110	84	70 - 130	0	20
Toluene	0.883	mg/Kg	1	1.00	<0.00150	88	70 - 130	1	20
Ethylbenzene	0.917	mg/Kg	1	1.00	<0.00160	92	70 - 130	1	20
Xylene	2.70	mg/Kg	1	3.00	<0.00410	90	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.932	0.939	mg/Kg	1	1.00	93	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.844	0.846	mg/Kg	1	1.00	84	85	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 48784 | Date Analyzed: 2008-05-27 | Analyzed By: DC
Prep Batch: 41923 | QC Preparation: 2008-05-27 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.47	mg/Kg	1	10.0	<0.739	95	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	9.43	mg/Kg	1	10.0	<0.739	94	70 - 130	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)	1.14	1.14	mg/Kg	1	1.00	114	114	70 - 130
4-Bromofluorobenzene (4-BFB)	1.11	1.11	mg/Kg	1	1.00	111	111	70 - 130

Matrix Spike (MS-1) Spiked Sample: 161006

QC Batch: 48730 | Date Analyzed: 2008-05-23 | Analyzed By: LD
Prep Batch: 41882 | QC Preparation: 2008-05-23 | Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	582	mg/Kg	1	250	407.92	70	18 - 179.5

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	609	mg/Kg	1	250	407.92	80	18 - 179.5	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	142	153	mg/Kg	1	100	142	153	34.1 - 158

Matrix Spike (MS-1) Spiked Sample: 160850

QC Batch: 48781 | Date Analyzed: 2008-05-27 | Analyzed By: DC
Prep Batch: 41923 | QC Preparation: 2008-05-27 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	4.32	mg/Kg	5	5.00	<0.00550	86	70 - 130
Toluene	4.40	mg/Kg	5	5.00	<0.00750	88	70 - 130
Ethylbenzene	4.57	mg/Kg	5	5.00	0.0629	90	70 - 130
Xylene	13.7	mg/Kg	5	15.0	0.249	90	70 - 130

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	4.38	mg/Kg	5	5.00	<0.00550	88	70 - 130	1	20
Toluene	4.46	mg/Kg	5	5.00	<0.00750	89	70 - 130	1	20
Ethylbenzene	4.62	mg/Kg	5	5.00	0.0629	91	70 - 130	1	20
Xylene	13.9	mg/Kg	5	15.0	0.249	91	70 - 130	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)	4.55	4.62	mg/Kg	5	5	91	92	70 - 130
4-Bromofluorobenzene (4-BFB)	4.29	4.20	mg/Kg	5	5	86	84	70 - 130

Matrix Spike (MS-1) Spiked Sample: 161020

QC Batch: 48784 | Date Analyzed: 2008-05-27 | Analyzed By: DC
Prep Batch: 41923 | QC Preparation: 2008-05-27 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO [1]	15.4	mg/Kg	1	10.0	<0.739	154	70 - 130

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]	14.3	mg/Kg	1	10.0	<0.739	143	70 - 130	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)	1.08	1.10	mg/Kg	1	1	108	110	70 - 130
4-Bromofluorobenzene (4-BFB)	1.04	1.06	mg/Kg	1	1	104	106	70 - 130

Standard (ICV-1)

QC Batch: 48730 | Date Analyzed: 2008-05-23 | Analyzed By: LD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	271	108	85 - 115	2008-05-23

Standard (CCV-1)

QC Batch: 48730 | Date Analyzed: 2008-05-23 | Analyzed By: LD

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	281	112	85 - 115	2008-05-23

Standard (CCV-2)

QC Batch: 48730 Date Analyzed: 2008-05-23 Analyzed By: LD

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	2008-05-23

Standard (ICV-1)

QC Batch: 48781 Date Analyzed: 2008-05-27 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0892	89	85 - 115	2008-05-27
Toluene		mg/Kg	0.100	0.0929	93	85 - 115	2008-05-27
Ethylbenzene		mg/Kg	0.100	0.0953	95	85 - 115	2008-05-27
Xylene		mg/Kg	0.300	0.280	93	85 - 115	2008-05-27

Standard (CCV-1)

QC Batch: 48781 Date Analyzed: 2008-05-27 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene	[3]	mg/Kg	0.100	0.0822	82	85 - 115	2008-05-27
Toluene		mg/Kg	0.100	0.0852	85	85 - 115	2008-05-27
Ethylbenzene		mg/Kg	0.100	0.0877	88	85 - 115	2008-05-27
Xylene		mg/Kg	0.300	0.260	87	85 - 115	2008-05-27

Standard (ICV-1)

QC Batch: 48784 Date Analyzed: 2008-05-27 Analyzed By: DC

[3]Benzene outside of control limits on CCV. CCV component average is 0.0858 which is within acceptable range. This is acceptable by Method 8000.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.08	108	85 - 115	2008-05-27

Standard (CCV-1)

QC Batch: 48784 Date Analyzed: 2008-05-27 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.10	110	85 - 115	2008-05-27

LAB Order ID # 8052303 Page 1 of 2

TraceAnalysis, Inc.

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Ft. Worth, Texas 76116
Tel (817) 201-5260
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Company Name: NOVA Environmental — Phone #: 520-7720

Address: (Street, City, Zip) — Fax #:

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

Invoice to: (If different from above) PLAINS

Project #: — Project Name: LEA to Monument 6"

Project Location (including state): LEA County, 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
161006	SS2 - 1	1	4oz		X							X		5/22	1003
007	SS2 - 2	1			X							X			1006
008	SS2 - 3	1			X							X			1010
009	SS2 - 4	1			X							X			1013
010	SS2 - 5	1			X							X			1016
011	SS2 - 6	1			X							X			1020
012	SS2 - 7	1			X							X			1023
013	SS2 - 8	1			X							X			1025
014	SS2 - 9	1			X							X			1028
015	SS2 - 10	1	4oz		X							X		5/22	1032

	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															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Ron Rounsaville		5/23/08	0835	Helen Skelton	TRACE	5/23/08	0835	3.5°
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

3 5 6

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

LAB Order ID # 80052303 Page 2 of 2

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Company Name: NOVA
Phone #: 520-7720
Address: (Street, City, Zip)
Fax #:
Contact Person: Ron Rounsaville
E-mail: rrounsaville@novatraining.cc
Invoice to: (If different from above) PLAINS
Project #:
Project Name: LEA to Monument 6"
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
16016	SS2-11	1	4oz		X							X		5/22	1034
017	SS2-12	1			X							X			1038
018	SS2-13	1			X							X			1040
019	SS2-14	1			X							X			1043
020	SS2-15	1			X							X		5/22	1045

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															

Relinquished by: Ron Rounsaville Date: 5/23/08 Time: 0835
Received by: Helen Shelton Date: 5/23/08 Time: 0835
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: Date: Time:

LAB USE ONLY
Intact (Y) / N
Headspace Y / N (NA)
Temp 3.5 °C
Log-In-Review

REMARKS: all tests - Midland

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

Carrier # Courier

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

ORIGINAL COPY

APPENDIX D

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Lea to Monument 6"	Facility Type:	6" Steel Pipeline

Surface Owner:	Mineral Owner	Lease No.
Laughlin Estate		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	5	20S	37E					Lea

Latitude 32 degrees 36' 06.4" **Longitude** 103 degrees 15' 56.1"

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 3 barrels	Volume Recovered 0 barrels
Source of Release: 6" Steel Pipeline	Date and Hour of Occurrence 8/03/01	Date and Hour of Discovery 14:00
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of 6" steel pipeline. A clamp was installed on the line to mitigate the release.

Describe Area Affected and Cleanup Action Taken.* A clamp was installed on the line to mitigate the release. The aerial extent of surface impact was approximately 10' x 80'.
NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.

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:	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 3/21/2005 Phone: (505)441-0965		

* Attach Additional Sheets If Necessary