SITE CLOSURE REQUEST

"E" LINE NEAR OIL CENTER BOOSTER

UNIT G, SECTION 29, TOWNSHIP 20 SOUTH, RANGE 37 EAST
NORTHEAST OF OIL CENTER
LEA COUNTY, NEW MEXICO

RP #1472

Prepared for:

DCP Midstream
10 Desta Drive, Suite 400 West
Midland, Texas 79705

NOVA
safety and environmental

Prepared by:

NOVA Safety and Environmental
2057 Commerce Drive
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August 2007

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Project Manager

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Vice President, Technical Services

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1.0 INTRODUCTION AND SITE BACKGROUND

On behalf of DCP Midstream (DCP), NOVA Safety and Environmental (NOVA) has prepared this Site Closure Request for the site known as "E" Line Near Oil Center Booster. The site is located in the Unit G, Section 29, Township 20 South, Range 37 East, Lea County, New Mexico and the site is located on property is owned by the Millard Deck Estate.

On May 27, 2007, DCP reported a ten barrel release of condensate from a 8-inch low pressure gas pipeline located approximately 0.75 miles northwest of Oil Center, New Mexico. A vacuum truck recovered less than one barrel of condensate immediately following the discovery of the release, resulting in a net loss of approximately nine barrels of condensate. The resulting surface stain attributed to the release was approximately three hundred feet in length and ninety feet in width. The release was the result of internal corrosion of the 8-inch inch steel pipeline. A site location map is provided as Figure 1. The Initial and Final Release Notification and Corrective Action (Form C-141) are provided as Appendix C.

2.0 NMOCD SITE CLASSIFICATION

On July 12, 2007, three soil borings were advanced at the leak site. Soil boring SB-1 encountered groundwater at a depth of approximately fifty-two (52) feet below ground surface (bgs). This depth to groundwater results in a score of 20 being assigned to this site based on the NMOCD ranking criteria. The distance to the nearest water source exceeds 1,000 feet, resulting in no points being assigned to the site on this ranking criterion. There is no surface water body located with 1,000 feet of the site, resulting in no points being assigned on this ranking criterion.

The NMOCD's *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, 1993), indicates the "E" line Near Oil Center Booster site has a ranking score of 20 points. The soil cleanup levels for a site with a ranking of 20 require benzene concentrations below 10 mg/Kg, total benzene, toluene, ethylbenzene and xylene (BTEX) concentrations below 50 mg/Kg and total petroleum hydrocarbons gasoline range organics / diesel range organics (TPH-GRO/DRO) concentrations below 100 mg/Kg.

3.0 SUMMARY OF FIELD ACTIVITIES

From June 28 through July 5, 2007, approximately 2,800 cubic yards (cy) of hydrocarbon impacted soil was excavated from the site. The excavated soil was stockpiled on site pending final disposition of the excavated soil. A Site and Sample Location map is provided as Figure 2.

On June 28, 2007, a soil sample (F-1) was collected from a depth of approximately fifteen feet bgs beneath the leak source. The analytical results indicated a TPH-GRO/DRO concentration of 6,420 mg/Kg, a benzene concentration of 2.96 mg/Kg and a total BTEX concentration of 196.86 mg/Kg. A summary of Confirmation Soil sample analytical Results is provided as Table 1. Laboratory Reports are provided as Appendix C.

On July 2, 2007, four excavation sidewall (WSW-1, SSW-1, ESW-1 AND NSW-1) and one floor soil sample (F-2) were collected from the main excavation, utilizing standard soil sampling

protocol as stated in the NMOCD guidelines. Analytical results indicated benzene and total BTEX concentrations were below the laboratory method detection limit (MDL) of 0.01 mg/Kg for the four submitted sidewall and one floor soil sample(s). Analytical results indicated TPH-GRO/DRO concentrations were below the MDL for all soil samples, with the exception of floor soil sample (F-2) which exhibited a TPH-GRO/DRO concentration of 141 mg/Kg.

On July 5, 2007, initial excavation activities along the leak flowpath were completed and confirmation soil samples were collected and submitted to the laboratory for analysis. Analytical results indicated soil sample FPF-1 located on the flowpath floor exhibited a TPH-GRO/DRO concentration of 1.25 mg/Kg. Analytical results indicated soil sample FPNW-1 located on the flowpath north sidewall exhibited a TPH-GRO/DRO concentration of 1.24 mg/Kg. Analytical results indicated soil sample FPF-2 located midway along the flowpath exhibited a TPH-DRO concentration of 213 mg/Kg and a TPH-GRO/DRO concentration of less than 250 mg/Kg. Analytical results indicated soil samples FPSW-1 and FPF-3 exhibited TPH-GRO/DRO concentrations below the MDL of 50 mg/Kg. The soil sample exhibiting the highest concentration of Gasoline Range Organics during the sampling event (Soil Sample FPF-2) was analyzed for BTEX constituents using EPA method SW 8446-8021b. Analytical results indicated soil sample FPF-2 exhibited a benzene concentration below the MDL of 0.01 mg/Kg and a total BTEX concentration of 1.9406 mg/Kg.

On July 12, 2007, three soil borings were advanced at the site to evaluate the vertical extent of hydrocarbon impact and determine the depth to groundwater. The locations of the soil borings are illustrated on Figure 2. Soil boring SB-1 was advanced to a total depth fifty-six feet bgs and groundwater was encountered at fifty-two feet bgs. Soil borings SB-2 and SB-3 were advanced to a depth of twenty-five feet bgs. Soil samples were collected at five foot intervals in each of the soil borings and field evaluated. Analytical results of laboratory submitted soil samples indicated concentrations of TPH-GRO/DRO were below the MDL of 50 mg/Kg for all submitted soil samples. The soil sample collected from soil boring SB-1 at a drilling depth of fifty feet bgs was submitted for BTEX analysis. Analytical results indicated benzene concentrations were below the MDL of 0.01 mg/Kg and total BTEX concentrations were 0.0267 mg/Kg. Lithologic boring logs are provided in Appendix A.

On July 18, 2007, additional excavation of soil below soil sampling point F-1 (6,420 mg/Kg total TPH), F-2 (141 mg/Kg TPH) and FPF-2 (213 mg/Kg) was completed. Approximately 1,652 cy of excavated soil was added to the existing soil stockpile during the excavation activity, resulting in an estimated soil stockpile volume of approximately 4,452 cy. Additional confirmation soil samples were collected from the floors of the three newly excavated areas. Analytical results indicated the floor soil samples exhibited TPH-GRO/DRO concentrations below the MDL of 50 mg/Kg. Analytical results indicated soil sample F-1A@25' exhibited a benzene concentration below the MDL of 0.01 mg/Kg and a total BTEX concentration of 0.0495 mg/Kg.

Excavation stockpile samples were collected and submitted to the laboratory for TPH-GRO/DRO, BTEX and chloride analysis. Analytical results indicated TPH-GRO/DRO concentrations ranged from 60.31 to 339.2 mg/Kg. Stockpile soil sample NSP was submitted to the laboratory for BTEX analysis and analytical results indicated benzene concentrations were below the laboratory MDL of 0.01mg/Kg. Stockpile soil sample WSP was submitted to the

laboratory for chloride analysis and analytical results indicated chloride concentrations were below the laboratory MDL of 50 mg/Kg. Based on the analytical results of stockpile soil samples, DCP evaluated available soil remediation strategies and concluded, transporting the hydrocarbon impacted soil to a commercial NMOCD permitted landfarm was the most expeditious remediation option.

On July 24, 2007, NOVA on behalf of DCP requested permission, from the NMOCD Hobbs district office, to backfill the existing excavation with non impacted soil. On July 27, 2007, permission to backfill was approved by the NMOCD Hobbs district office.

On July 29, 2007 through August 7, 2007, approximately 4,452 cy stockpiled soil was transported to the South Monument Surface Waste Facility, L.L.C. (#NM-01-0032) south of Monument, New Mexico. Non-impacted soil purchased from the facility was transported to the site and placed in the excavation in twelve inch lifts and compacted. Soil moisture content was adequate and no additional moisture was required for soil compaction. Following backfilling activities the site was contoured to the surrounding topography. During the fall of 2007 or when favorable conditions for germination exist, the site will be seeded with vegetation acceptable to the landowner.

4.0 SITE CLOSURE REQUEST

In summary, the analytical results (all confirmation soil samples results were below method detection limits) of final confirmation excavation floor soil samples (F1A@25' and F-2A@18'), excavation sidewall soil samples (WSW-1, SSW-1, ESW-1 and NSW-1) and flowpath soil samples (FPF-1, FPF-2A@18' and FPF-3) indicate benzene, total BTEX and TPH concentrations are below the required NMOCD regulatory levels of 10 mg/Kg, 50 mg/Kg and 100 mg/Kg, respectively.

Based on the analytical results of confirmation soil samples NOVA recommends that DCP provide the NMOCD Hobbs district office a copy of this *Site Closure Request* and request the NMOCD grant closure to the "E" Line Near Oil Center release site.

5.0 LIMITATIONS

NOVA has prepared this *Site 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 *Site Closure Request* has been prepared for the benefit of DCP. 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 DCP.

6.0 DISTRIBUTION

Copy 1:
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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, NM 88240

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DCP Midstream
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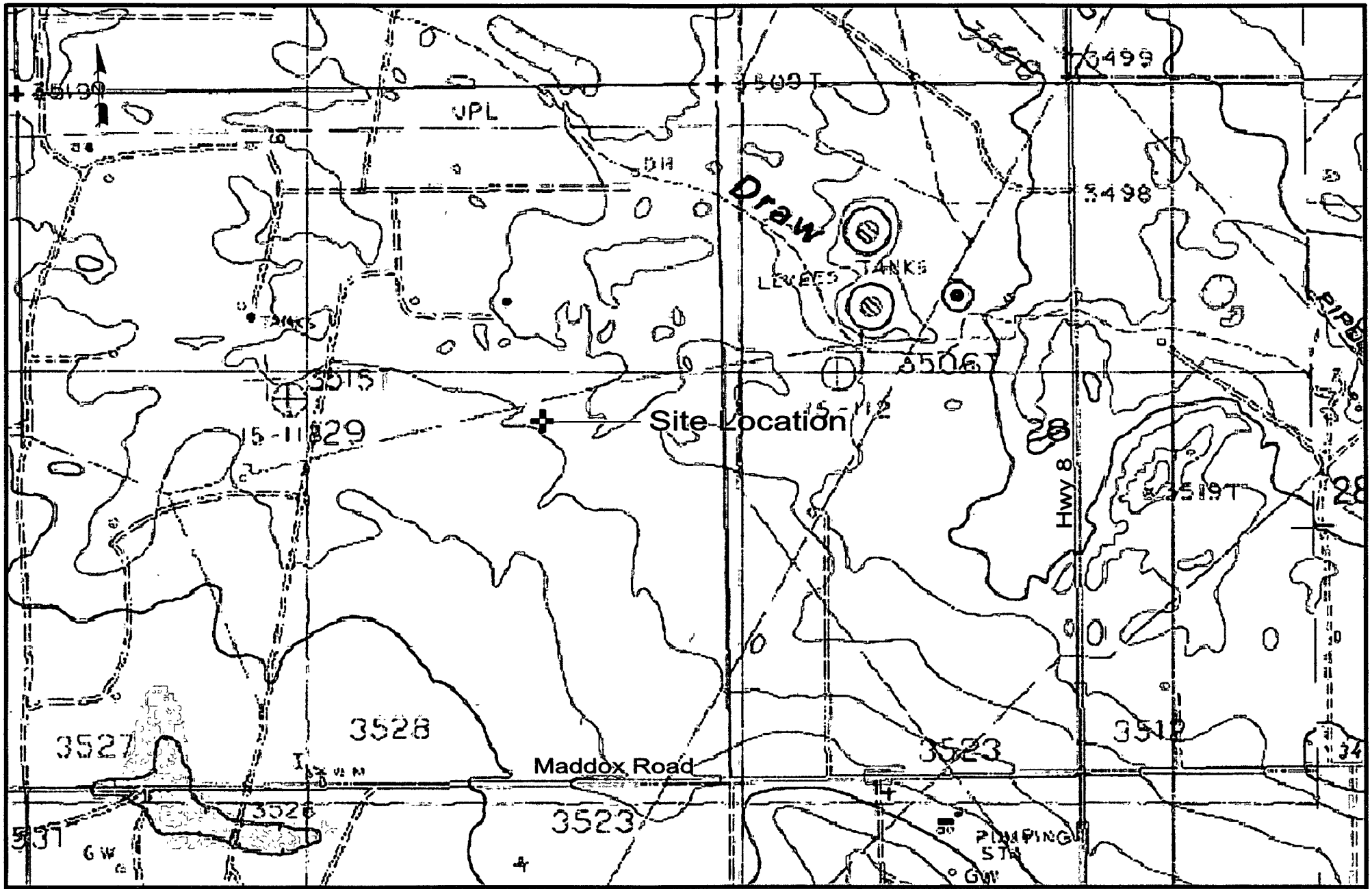
Figures



USGS Monumnent South (NM) Topo Map

1000 500 0 500 1000

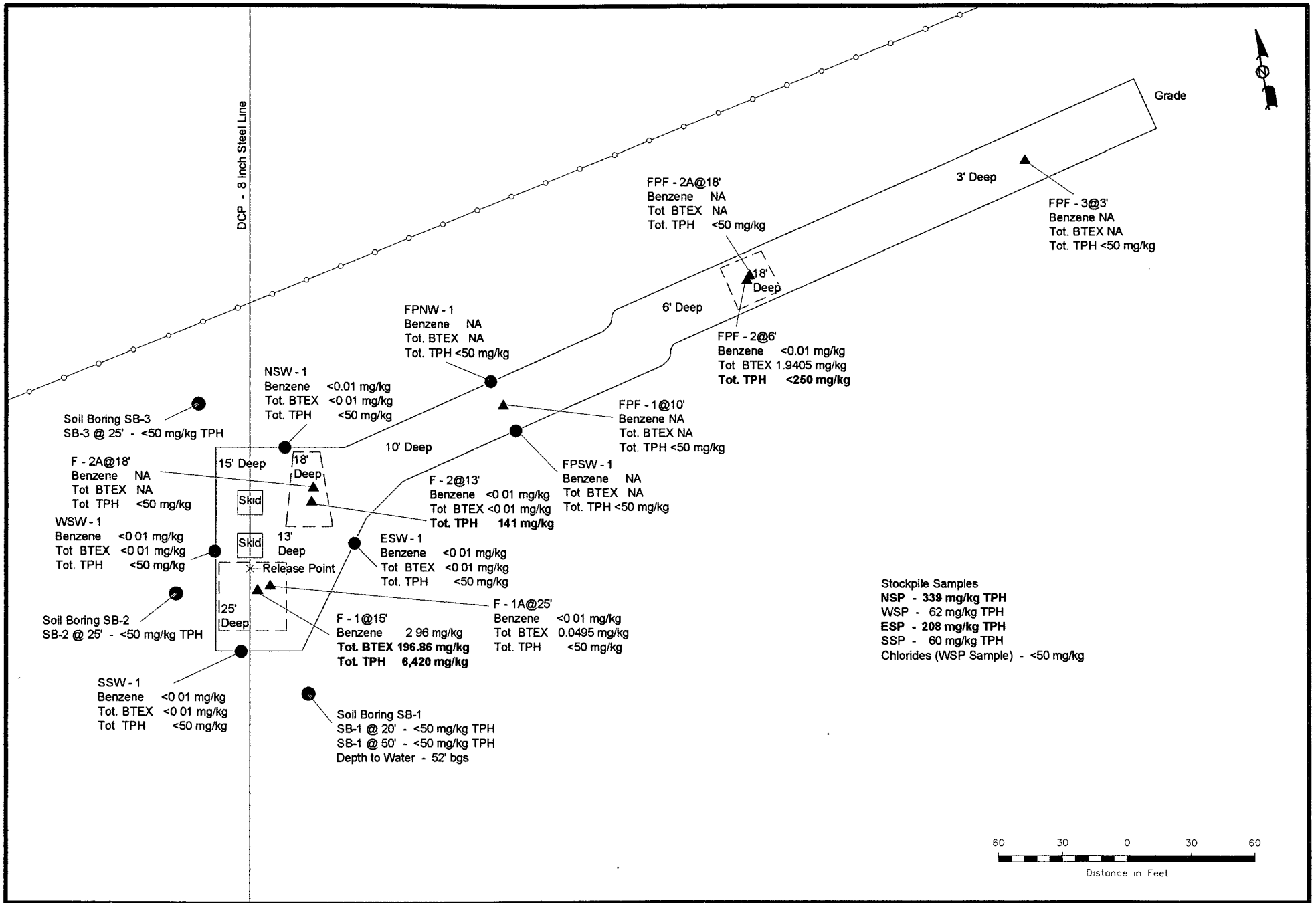
Distance in Feet

Figure 1
Site Location Map
E-Line Near Oil Center Booster
Lea County, NM
DCP - Midstream

NOVA Safety and Environmental

NOVA safety and environmental

Scale 1" = 1000'	CAD By DGC	Checked By CDS
August 23, 2007	N 32° 32' 39 3"	W 103° 16' 9 8"



Legend:

- Pipeline
- Sidewall Sample
- Floor Sample
- Initial Excavation Limits
- Barbed-Wire Fence
- Soil Borong Location
- Deeper Excavation

Figure 2
Site Map and Soil Sample Locations
DCP - Midstream "E" Line Near Oil Center Booster
Lea County, New Mexico

NOVA Safety and Environmental

NOVA safety and environmental

Scale 1" = 60'	Prep By DGC	Checked By CDS
September 13, 2007	N 32° 32' 39 3"	W 103° 16' 9 8"

Table

Appendices

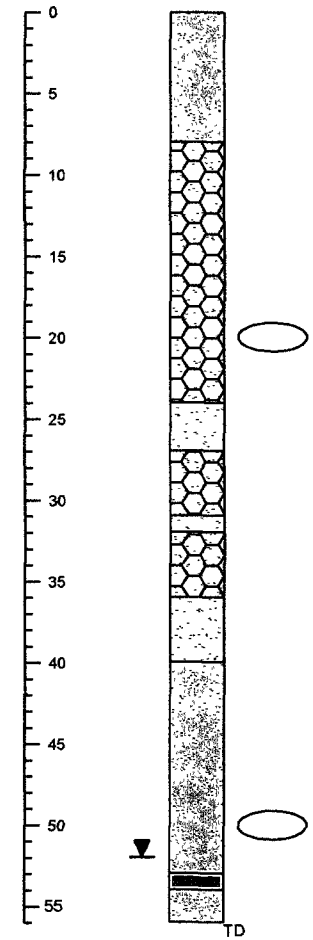
TABLE 1
Confirmation Soil Sample Analysis Results
E Line Near Oil Center Booster
NW of Oil Center, NM
DCP-Midstream

				Laboratory Analyzed By Method 8015			SW 846-8021					
SAMPLE DATE	SAMPLE LOCATION	DEPTH	SOIL STATUS	TPH DRO mg/Kg	TPH GRO mg/Kg	Total TPH mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl-Benzene mg/Kg	Xylene mg/Kg	Total BTEX mg/Kg	Chloride mg/Kg
NMOCD REGULATORY STANDARD						100	10				50	250
06/28/07	F-1	15'	Excavated	4180	2240	**6420**	2.96	55.4	37.5	101	**196.86**	
07/02/07	WSW-1	14'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	<0.01	<0.01	<0.01	
07/02/07	SSW-1	12.5'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	<0.01	<0.01	<0.01	
07/02/07	ESW-1	12.5'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	<0.01	<0.01	<0.01	
07/02/07	NSW-1	14'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	<0.01	<0.01	<0.01	
07/02/07	F-2	13'	Excavated	141	<1.00	**141**	<0.01	<0.01	<0.01	<0.01	<0.01	
07/05/07	FPF-1	10'	In-Situ	<50.0	1.25	1.25						
07/05/07	FPNW-1	9'	In-Situ	<50.0	1.24	1.24						
07/05/07	FPSW-1	9'	In-Situ	<50.0	<1.00	<50						
07/05/07	FPF-2	6'	Excavated	<250	213	**<250**	<0.01	0.0286	0.422	1.49	1.9406	
07/05/07	FPF-3	3'	In-Situ	<50.0	<1.00	<50						
07/12/07	SB-1@20'	20'	In-Situ	<50.0	<1.00	<50						
07/12/07	SB-1@50'	50'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	<0.01	0.0267	0.0267	
07/12/07	SB-2@25'	25'	In-Situ	<50.0	<1.00	<50						
07/12/07	SB-3@25'	25'	In-Situ	<50.0	<1.00	<50						
07/12/07	NSP	-	to be hauled	277	62.2	**339.2**	<0.01	0.0258	0.104	1.47	1.5998	
07/12/07	WSP	-	to be hauled	53.8	7.94	61.74						<50.0
07/12/07	ESP	-	to be hauled	205	2.9	**207.9**						
07/12/07	SSP	-	to be hauled	56.9	3.41	60.31						
07/18/07	F-1A@25'	25'	In-Situ	<50.0	<1.00	<50	<0.01	<0.01	0.011	0.0385	0.0495	
07/18/07	F-2A@18'	18'	In-Situ	<50.0	<1.00	<50						
07/18/07	FPF-2A@18'	18'	In-Situ	<50.0	<1.00	<50						

Bold: Indicates TPH or BTEX concentration above regulatory guidelines

Appendix A:
Soil Boring Logs

Soil Boring SB-01



Depth (feet)	Soil Columns	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0			None	None	Clay, reddish brown, sandy.
15			None	None	Caliche, white, soft with brown sand stringers.
20					
25			None	None	Sand, tan, very fine grained.
30			None	None	Caliche, white, soft with brown sand stringers.
			None	None	Sand, tan, very fine grained.
35			None	None	Caliche, white, soft with brown sand stringers.
40			None	None	Sand, tan, very fine grained, dry.
45			None	None	Sand, reddish brown, clayey with lenses of black sandstone.
50					
			None	None	Clay. dark red, moist.
55			None	None	Sand, reddish brown with dark red clay stringers.

Soil Boring Details

Date Drilled July 12, 2007

Depth of Soil Boring 56 ft

Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The soil boring was completed on date using air rotary drilling techniques
2. The lines between material types shown on the profile log represent approximate boundaries Actual transitions may be gradual
3. The depths indicated are referenced from the ground surface

Soil Boring Details

Soil Boring - 01

DCP - Midstream E Line Near Oil Center Booster Lea County

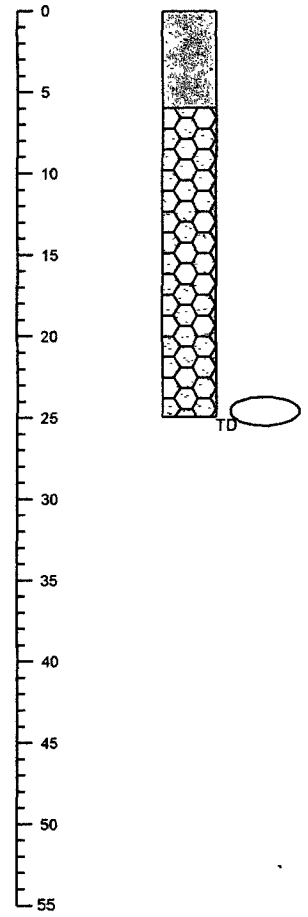
NOVA safety and environmental

NOVA Safety and Environmental

Scale NTS	CAD by DGC	Checked By CDS
July 31, 2007		

Soil Boring SB-02

Depth (feet)	Soil Columns	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 – 5			None	None	Clay, brown, sandy.
5 – 25			None	None	Caliche, white, soft with brown sand stringers.



Soil Boring Details

Date Drilled July 12, 2007

Depth of Soil Boring 25 ft

Indicates samples selected for laboratory analysis

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The soil boring was completed on date using air rotary drilling techniques
2. The lines between material types shown on the profile log represent approximate boundaries Actual transitions may be gradual
3. The depths indicated are referenced from the ground surface.

Soil Boring Details

Soil Boring - 02

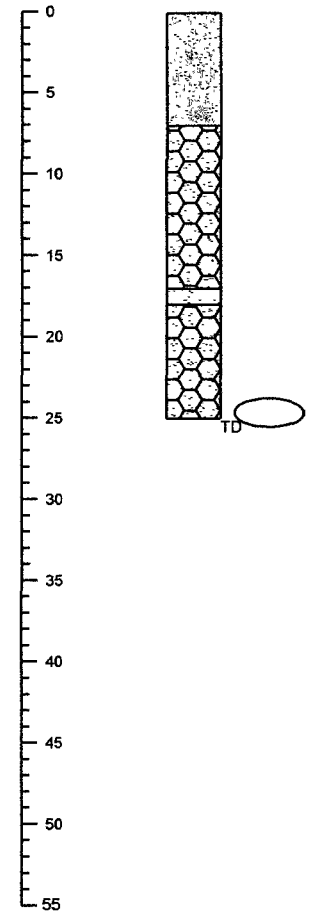
DCP - Midstream E Line Near Oil Center Booster Lea County

NOVA safety and environmental

NOVA Safety and Environmental

Scale NTS	CAD by DGC	Checked By CDS
July 31, 2007		

Soil Boring SB-03



Soil Columns	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
		None	None	Clay, brown, sandy.
		None	None	Caliche, white, soft with brown sand stringers.
		None	None	Sand, brown, very fine grained.
		None	None	Caliche, white, soft with brown sand stringers.

Soil Boring Details

Date Drilled July 12, 2007

Depth of Soil Boring 25 ft

Indicates samples selected for laboratory analysis

Indicates the groundwater level measured on date of initial gauging event

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The soil boring was completed on date using air rotary drilling techniques
2. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from the ground surface.

Soil Boring Details

Soil Boring - 03

DCP - Midstream **E Line Near Oil Center Booster** **Lea County**

NOVA safety and environmental

NOVA Safety and Environmental

Scale NTS	CAD by DGC	Checked By CDS
July 31, 2007		

Appendix B:
Laboratory Reports

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
6002 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: ab@traceanalysis.com

Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 2, 2007

Work Order: 7062903

Project Location: NW of Oil Center, NM
Project Name: "E" Line Oil Booster
Project Number: N/A"E" Line Oil Booster

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
128775	F-1	soil	2007-06-28	15:02	2007-06-29

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 7 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: 128775 - F-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38679	Date Analyzed:	2007-07-01	Analyzed By:	AG
Prep Batch:	33478	Sample Preparation:	2007-07-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**2.96**	mg/Kg	50	0.0100
Toluene		**55.4**	mg/Kg	50	0.0100
Ethylbenzene		**37.5**	mg/Kg	50	0.0100
Xylene		**101**	mg/Kg	50	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		33.4	mg/Kg	50	50.0	67	39.6 - 116
4-Bromofluorobenzene (4-BFB)		57.3	mg/Kg	50	50.0	115	47.3 - 144.2

Sample: 128775 - F-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38684	Date Analyzed:	2007-06-29	Analyzed By:	
Prep Batch:	33482	Sample Preparation:	2007-06-29	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**4180**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	497	mg/Kg	1	150	331	32.9 - 167

Sample: 128775 - F-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38680	Date Analyzed:	2007-07-01	Analyzed By:	AG
Prep Batch:	33478	Sample Preparation:	2007-07-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2240**	mg/Kg	50	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[2]	20.7	mg/Kg	50	50.0	41	50.2 - 89.3
4-Bromofluorobenzene (4-BFB)		69.3	mg/Kg	50	50.0	139	50.8 - 131.6

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

Method Blank (1) QC Batch: 38679

QC Batch: 38679 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

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)		0.714	mg/Kg	1	1.00	71	58.2 - 121.3
4-Bromofluorobenzene (4-BFB)		0.690	mg/Kg	1	1.00	69	53.1 - 111.6

Method Blank (1) QC Batch: 38680

QC Batch: 38680 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

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)		0.762	mg/Kg	1	1.00	76	67.8 - 103
4-Bromofluorobenzene (4-BFB)		0.682	mg/Kg	1	1.00	68	55.4 - 111.8

Method Blank (1) QC Batch: 38684

QC Batch: 38684 | Date Analyzed: 2007-06-29 | Analyzed By:
Prep Batch: 33482 | QC Preparation: 2007-06-29 | Prepared By:

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	150	72	44.7 - 133.6

Laboratory Control Spike (LCS-1)

QC Batch: 38679 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00110	101	71.2 - 119
Toluene	1.02	mg/Kg	1	1.00	<0.00150	102	76.3 - 116.5
Ethylbenzene	0.977	mg/Kg	1	1.00	<0.00160	98	77.6 - 114
Xylene	2.95	mg/Kg	1	3.00	<0.00410	98	78.8 - 113.9

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	1.04	mg/Kg	1	1.00	<0.00110	104	71.2 - 119	3	20
Toluene	1.05	mg/Kg	1	1.00	<0.00150	105	76.3 - 116.5	3	20
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00160	102	77.6 - 114	4	20
Xylene	3.07	mg/Kg	1	3.00	<0.00410	102	78.8 - 113.9	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.649	0.654	mg/Kg	1	1.00	65	65	56.1 - 107.8
4-Bromofluorobenzene (4-BFB)	0.746	0.745	mg/Kg	1	1.00	75	74	56.2 - 118.8

Laboratory Control Spike (LCS-1)

QC Batch: 38680 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.40	mg/Kg	1	10.0	<0.739	94	56 - 105.2

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	8.52	mg/Kg	1	10.0	<0.739	85	56 - 105.2	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
Trifluorotoluene (TFT)	1.03	0.932	mg/Kg	1	1.00	103	93	61.1 - 148.1
4-Bromofluorobenzene (4-BFB)	0.854	0.775	mg/Kg	1	1.00	85	78	67.2 - 119.2

Laboratory Control Spike (LCS-1)

QC Batch: 38684 | Date Analyzed: 2007-06-29 | Analyzed By:
Prep Batch: 33482 | QC Preparation: 2007-06-29 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	224	mg/Kg	1	250	<14.6	90	47.5 - 144.1

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	247	mg/Kg	1	250	<14.6	99	47.5 - 144.1	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	93.6	99.2	mg/Kg	1	150	62	66	57.3 - 131.6

Matrix Spike (MS-1) Spiked Sample: 128599

QC Batch: 38679 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.980	mg/Kg	1	1.00	<0.00110	98	65.7 - 119.1
Toluene	1.02	mg/Kg	1	1.00	<0.00150	102	47.7 - 153.8
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	73.5 - 126.3
Xylene	3.06	mg/Kg	1	3.00	<0.00410	102	73.6 - 125.9

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	1.03	mg/Kg	1	1.00	<0.00110	103	65.7 - 119.1	5	20
Toluene	1.07	mg/Kg	1	1.00	<0.00150	107	47.7 - 153.8	5	20
Ethylbenzene	1.07	mg/Kg	1	1.00	<0.00160	107	73.5 - 126.3	6	20
Xylene	3.25	mg/Kg	1	3.00	<0.00410	108	73.6 - 125.9	6	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.642	0.622	mg/Kg	1	1	64	62	51 - 109.6
4-Bromofluorobenzene (4-BFB)	0.803	0.787	mg/Kg	1	1	80	79	60.3 - 124.3

Matrix Spike (MS-1) Spiked Sample: 128584

QC Batch: 38680 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.63	mg/Kg	1	10.0	2.5	51	10 - 102.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.45	mg/Kg	1	10.0	2.5	50	10 - 102.2	2	20

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

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		0.569	0.592	mg/Kg	1	1	57	59	47.2 - 84.2
4-Bromofluorobenzene (4-BFB)	[3]	0.914	0.860	mg/Kg	1	1	91	86	58 - 162.6

Matrix Spike (MS-1) Spiked Sample: 128847

QC Batch: 38684 | Date Analyzed: 2007-06-29 | Analyzed By:
Prep Batch: 33482 | QC Preparation: 2007-06-29 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	204	mg/Kg	1	250	<14.6	82	11.7 - 152.3

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
DRO	215	mg/Kg	1	250	<14.6	86	11.7 - 152.3	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
n-Triacontane	129	123	mg/Kg	1	150	86	82	17 - 163.1

Standard (ICV-1)

QC Batch: 38679 | Date Analyzed: 2007-07-01 | 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	0.105	105	85 - 115	2007-07-01
Toluene		mg/Kg	0.100	0.105	105	85 - 115	2007-07-01
Ethylbenzene		mg/Kg	0.100	0.101	101	85 - 115	2007-07-01
Xylene		mg/Kg	0.300	0.306	102	85 - 115	2007-07-01

Standard (CCV-1)

QC Batch: 38679 | Date Analyzed: 2007-07-01 | 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	0.0964	96	85 - 115	2007-07-01
Toluene		mg/Kg	0.100	0.0982	98	85 - 115	2007-07-01
Ethylbenzene		mg/Kg	0.100	0.0936	94	85 - 115	2007-07-01
Xylene		mg/Kg	0.300	0.285	95	85 - 115	2007-07-01

[3]Surrogate out due to peak interference.

Standard (ICV-1)

QC Batch: 38680 Date Analyzed: 2007-07-01 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	1.02	102	85 - 115	2007-07-01

Standard (CCV-1)

QC Batch: 38680 Date Analyzed: 2007-07-01 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	1.06	106	85 - 115	2007-07-01

Standard (ICV-1)

QC Batch: 38684 Date Analyzed: 2007-06-29 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	215	86	85 - 115	2007-06-29

Standard (CCV-1)

QC Batch: 38684 Date Analyzed: 2007-06-29 Analyzed By:

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	2007-06-29

LAB Order ID # 7062903 Page 1 of 1

TraceAnalysis, Inc.

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Company Name: NOVA SAFETY & ENVIRONMENTAL
Phone #: 432-520-7720
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Fax #: 432-520-7701
Contact Person: CURT STANLEY
E-mail: JKOONCE@NOVATRAINING.COM
Invoice to: (If different from above) DCP - Midland - Lynn Ward
Project #: DCP-"E" LINE NEAR OIL CENTER BOOSTER (SAME)
Project Name:
Project Location (including state): NW OF OIL CENTER, NEW MEXICO
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C 7625	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
28775	F-1	1	4oz		X							X		6/28/07	1500		X		X																		

BTEX 8021B
8015M DRO/GRO

C.O.C.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6/29/07	915		6-29-07	915
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6-29-07	932			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				6/29/07	9:30

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 2.5
Log-in-Review JW

REMARKS:

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

Carrier # carry-in

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

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TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 5, 2007

Work Order: 7070305

Project Location: NW of Oil Center, NM
Project Name: "E" Line Oil Booster
Project Number: "E" Line Oil Booster

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
129000	WSW-1	soil	2007-07-02	14:00	2007-07-03
129001	SSW-1	soil	2007-07-02	14:05	2007-07-03
129003	ESW-1	soil	2007-07-02	14:15	2007-07-03
129004	NSW-1	soil	2007-07-02	14:20	2007-07-03
129005	F-2	soil	2007-07-02	14:25	2007-07-03

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: 129000 - WSW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38762	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.723	mg/Kg	1	1.00	72	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.860	mg/Kg	1	1.00	86	51.1 - 119.1

Sample: 129000 - WSW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	Sample Preparation:	2007-07-03	Prepared By:	

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		124	mg/Kg	1	150	83	32.9 - 167

Sample: 129000 - WSW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38763	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.707	mg/Kg	1	1.00	71	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.844	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 129001 - SSW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38762	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.720	mg/Kg	1	1.00	72	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.867	mg/Kg	1	1.00	87	51.1 - 119.1

Sample: 129001 - SSW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	Sample Preparation:	2007-07-03	Prepared By:	

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		117	mg/Kg	1	150	78	32.9 - 167

Sample: 129001 - SSW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38763	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.672	mg/Kg	1	1.00	67	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.842	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 129003 - ESW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38762	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.722	mg/Kg	1	1.00	72	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.862	mg/Kg	1	1.00	86	51.1 - 119.1

Sample: 129003 - ESW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	Sample Preparation:	2007-07-03	Prepared By:	

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		123	mg/Kg	1	150	82	32.9 - 167

Sample: 129003 - ESW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38763	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.678	mg/Kg	1	1.00	68	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.841	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 129004 - NSW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38762	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.752	mg/Kg	1	1.00	75	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.841	mg/Kg	1	1.00	84	51.1 - 119.1

Sample: 129004 - NSW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	Sample Preparation:	2007-07-03	Prepared By:	

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	150	85	32.9 - 167

Sample: 129004 - NSW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38763	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.705	mg/Kg	1	1.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.811	mg/Kg	1	1.00	81	67.5 - 140.3

Sample: 129005 - F-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38762	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.719	mg/Kg	1	1.00	72	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.829	mg/Kg	1	1.00	83	51.1 - 119.1

Sample: 129005 - F-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	Sample Preparation:	2007-07-03	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**141**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		172	mg/Kg	1	150	115	32.9 - 167

Sample: 129005 - F-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38763	Date Analyzed:	2007-07-03	Analyzed By:	AG
Prep Batch:	33543	Sample Preparation:	2007-07-03	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.692	mg/Kg	1	1.00	69	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.809	mg/Kg	1	1.00	81	67.5 - 140.3

Method Blank (1) QC Batch: 38742

QC Batch:	38742	Date Analyzed:	2007-07-03	Analyzed By:	
Prep Batch:	33529	QC Preparation:	2007-07-03	Prepared By:	

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		116	mg/Kg	1	150	77	44.7 - 133.6

Method Blank (1) QC Batch: 38762

QC Batch: 38762 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

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)		0.706	mg/Kg	1	1.00	71	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.711	mg/Kg	1	1.00	71	53.9 - 125.1

Method Blank (1) QC Batch: 38763

QC Batch: 38763 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		0.884	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.777	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.704	mg/Kg	1	1.00	70	67.5 - 140.3

Laboratory Control Spike (LCS-1)

QC Batch: 38742 | Date Analyzed: 2007-07-03 | Analyzed By:
Prep Batch: 33529 | QC Preparation: 2007-07-03 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	215	mg/Kg	1	250	<14.6	86	47.5 - 144.1

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	178	mg/Kg	1	250	<14.6	71	47.5 - 144.1	19	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	120	104	mg/Kg	1	150	80	69	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 38762 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.960	mg/Kg	1	1.00	<0.00110	96	68.6 - 123.4
Toluene	0.989	mg/Kg	1	1.00	<0.00150	99	74.6 - 119.3
Ethylbenzene	0.943	mg/Kg	1	1.00	<0.00160	94	72.3 - 126.2
Xylene	2.85	mg/Kg	1	3.00	<0.00410	95	76.5 - 121.6

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.978	mg/Kg	1	1.00	<0.00110	98	68.6 - 123.4	2	20
Toluene	1.00	mg/Kg	1	1.00	<0.00150	100	74.6 - 119.3	1	20
Ethylbenzene	0.964	mg/Kg	1	1.00	<0.00160	96	72.3 - 126.2	2	20
Xylene	2.91	mg/Kg	1	3.00	<0.00410	97	76.5 - 121.6	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.756	0.752	mg/Kg	1	1.00	76	75	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	0.756	0.752	mg/Kg	1	1.00	76	75	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 38763 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.06	mg/Kg	1	10.0	<0.739	81	57.7 - 102.5

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	9.04	mg/Kg	1	10.0	<0.739	90	57.7 - 102.5	12	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.04	1.01	mg/Kg	1	1.00	104	101	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.775	0.850	mg/Kg	1	1.00	78	85	70 - 130

Matrix Spike (MS-1) Spiked Sample: 129000

QC Batch: 38742 | Date Analyzed: 2007-07-03 | Analyzed By:
Prep Batch: 33529 | QC Preparation: 2007-07-03 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	191	mg/Kg	1	250	<14.6	76	11.7 - 152.3

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
DRO	198	mg/Kg	1	250	<14.6	79	11.7 - 152.3	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	110	115	mg/Kg	1	150	73	77	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 129005

QC Batch: 38762 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.00	mg/Kg	1	1.00	<0.00110	100	64.4 - 115.7
Toluene	1.03	mg/Kg	1	1.00	<0.00150	103	57.8 - 124.4
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00160	102	64.8 - 125.8
Xylene	3.09	mg/Kg	1	3.00	<0.00410	103	65.2 - 121.8

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	0.992	mg/Kg	1	1.00	<0.00110	99	64.4 - 115.7	1	20
Toluene	1.02	mg/Kg	1	1.00	<0.00150	102	57.8 - 124.4	1	20
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00160	102	64.8 - 125.8	0	20
Xylene	3.12	mg/Kg	1	3.00	<0.00410	104	65.2 - 121.8	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.632	0.656	mg/Kg	1	1	63	66	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	0.799	0.813	mg/Kg	1	1	80	81	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 129005

QC Batch: 38763 | Date Analyzed: 2007-07-03 | Analyzed By: AG
Prep Batch: 33543 | QC Preparation: 2007-07-03 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.69	mg/Kg	1	10.0	<0.739	77	10 - 141.5

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
GRO	6.92	mg/Kg	1	10.0	<0.739	69	10 - 141.5	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)	0.588	0.595	mg/Kg	1	1	59	60	40 - 125.3
4-Bromofluorobenzene (4-BFB) [1]	0.865	0.872	mg/Kg	1	1	86	87	86.7 - 144.5

Standard (ICV-1)

QC Batch: 38742 | Date Analyzed: 2007-07-03 | Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	226	90	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38742 | Date Analyzed: 2007-07-03 | Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	221	88	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 38762 | Date Analyzed: 2007-07-03 | Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0950	95	85 - 115	2007-07-03
Toluene		mg/Kg	0.100	0.0964	96	85 - 115	2007-07-03
Ethylbenzene		mg/Kg	0.100	0.0929	93	85 - 115	2007-07-03
Xylene		mg/Kg	0.300	0.281	94	85 - 115	2007-07-03

[1] Surrogate out due to peak interference.

Standard (CCV-1)

QC Batch: 38762 Date Analyzed: 2007-07-03 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0979	98	85 - 115	2007-07-03
Toluene		mg/Kg	0.100	0.101	101	85 - 115	2007-07-03
Ethylbenzene		mg/Kg	0.100	0.0955	96	85 - 115	2007-07-03
Xylene		mg/Kg	0.300	0.291	97	85 - 115	2007-07-03

Standard (ICV-1)

QC Batch: 38763 Date Analyzed: 2007-07-03 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.983	98	85 - 115	2007-07-03

Standard (CCV-1)

QC Batch: 38763 Date Analyzed: 2007-07-03 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.876	88	85 - 115	2007-07-03

LAB Order ID # 7070305 Page 1 of 1

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Contact Person: CURT STANLEY E-mail:

Invoice to: (if different from above) DCP-MIDLAND.

Project #: = LINE NEAR OIL CENTER BOOSTER Project Name: (SAME)

Project Location (including state): NW OF OIL CENTER, NM Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	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
19009	WSW-1	1	40z		X							X		7/2/2007	14:00		X		X														
001	SSW-1														14:05																		
002	SSW-2														14:10																		
003	ESW-1														14:15																		
004	NSW-1														14:20																		
005	F-2														14:25																		

Relinquished by: Date: 7/3/07 Time: 8:14 Received by: Date: 7/3/07 Time: 8:14

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
Temp 4 °C
Log-in-Review

REMARKS:

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

Carrier #

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

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 11, 2007

Work Order: 7070608

Project Location: NW of Oil Center, NM
Project Name: "E" Line Oil Booster
Project Number: "E" Line Oil Booster

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
129158	FPF-1	soil	2007-07-05	11:00	2007-07-06
129159	FPNW-1	soil	2007-07-05	11:05	2007-07-06
129160	FPSW-1	soil	2007-07-05	11:10	2007-07-06
129161	FPF-2	soil	2007-07-05	11:25	2007-07-06
129162	FPF-3	soil	2007-07-05	11:30	2007-07-06

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: 129158 - FPF-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38930	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33694	Sample Preparation:	2007-07-10	Prepared By:	TG

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		225	mg/Kg	1	150	150	62.5 - 164

Sample: 129158 - FPF-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38854	Date Analyzed:	2007-07-06	Analyzed By:	AG
Prep Batch:	33628	Sample Preparation:	2007-07-06	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.25**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.681	mg/Kg	1	1.00	68	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.923	mg/Kg	1	1.00	92	67.5 - 140.3

Sample: 129159 - FPNW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38930	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33694	Sample Preparation:	2007-07-10	Prepared By:	TG

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		221	mg/Kg	1	150	147	62.5 - 164

Sample: 129159 - FPNW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38854	Date Analyzed:	2007-07-06	Analyzed By:	AG
Prep Batch:	33628	Sample Preparation:	2007-07-06	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.24**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.689	mg/Kg	1	1.00	69	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.835	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 129160 - FPSW-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38930	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33694	Sample Preparation:	2007-07-10	Prepared By:	TG

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		217	mg/Kg	1	150	145	62.5 - 164

Sample: 129160 - FPSW-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38854	Date Analyzed:	2007-07-06	Analyzed By:	AG
Prep Batch:	33628	Sample Preparation:	2007-07-06	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.687	mg/Kg	1	1.00	69	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.866	mg/Kg	1	1.00	87	67.5 - 140.3

Sample: 129161 - FPF-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38913	Date Analyzed:	2007-07-10	Analyzed By:	MT
Prep Batch:	33679	Sample Preparation:	2007-07-10	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.0286**	mg/Kg	1	0.0100
Ethylbenzene		**0.422**	mg/Kg	1	0.0100
Xylene		**1.49**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.871	mg/Kg	1	1.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)	[1]	1.50	mg/Kg	1	1.00	150	70 - 130

Sample: 129161 - FPF-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38930	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33694	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<250	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	454	mg/Kg	5	150	303	62.5 - 164

Sample: 129161 - FPF-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38855	Date Analyzed:	2007-07-07	Analyzed By:	AG
Prep Batch:	33629	Sample Preparation:	2007-07-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**213**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		7.16	mg/Kg	10	10.0	72	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		12.0	mg/Kg	10	10.0	120	67.5 - 140.3

Sample: 129162 - FPF-3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38930	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33694	Sample Preparation:	2007-07-10	Prepared By:	TG

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		214	mg/Kg	1	150	143	62.5 - 164

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

Sample: 129162 - FPF-3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38855	Date Analyzed:	2007-07-07	Analyzed By:	AG
Prep Batch:	33629	Sample Preparation:	2007-07-07	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.706	mg/Kg	1	1.00	71	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.864	mg/Kg	1	1.00	86	67.5 - 140.3

Method Blank (1) QC Batch: 38854

QC Batch:	38854	Date Analyzed:	2007-07-06	Analyzed By:	AG
Prep Batch:	33628	QC Preparation:	2007-07-06	Prepared By:	AG

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)		0.764	mg/Kg	1	1.00	76	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.714	mg/Kg	1	1.00	71	67.5 - 140.3

Method Blank (1) QC Batch: 38855

QC Batch:	38855	Date Analyzed:	2007-07-07	Analyzed By:	AG
Prep Batch:	33629	QC Preparation:	2007-07-07	Prepared By:	AG

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)		0.776	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.765	mg/Kg	1	1.00	76	67.5 - 140.3

Method Blank (1) QC Batch: 38913

QC Batch:	38913	Date Analyzed:	2007-07-10	Analyzed By:	MT
Prep Batch:	33679	QC Preparation:	2007-07-10	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000860	mg/Kg	0.01
Toluene		<0.00210	mg/Kg	0.01
Ethylbenzene		<0.00988	mg/Kg	0.01
Xylene		<0.00163	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.845	mg/Kg	1	1.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)		0.783	mg/Kg	1	1.00	78	70 - 130

Method Blank (1) QC Batch: 38930

QC Batch: 38930 Date Analyzed: 2007-07-11 Analyzed By: TG
Prep Batch: 33694 QC Preparation: 2007-07-10 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38854 Date Analyzed: 2007-07-06 Analyzed By: AG
Prep Batch: 33628 QC Preparation: 2007-07-06 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.17	mg/Kg	1	10.0	<0.739	82	57.7 - 102.5

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	8.53	mg/Kg	1	10.0	<0.739	85	57.7 - 102.5	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	0.919	mg/Kg	1	1.00	103	92	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.808	0.807	mg/Kg	1	1.00	81	81	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38855 Date Analyzed: 2007-07-07 Analyzed By: AG
Prep Batch: 33629 QC Preparation: 2007-07-07 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.67	mg/Kg	1	10.0	<0.739	97	57.7 - 102.5

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	8.49	mg/Kg	1	10.0	<0.739	85	57.7 - 102.5	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
Trifluorotoluene (TFT)	1.03	0.940	mg/Kg	1	1.00	103	94	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.872	0.777	mg/Kg	1	1.00	87	78	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38913 | Date Analyzed: 2007-07-10 | Analyzed By: MT
Prep Batch: 33679 | QC Preparation: 2007-07-10 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.876	mg/Kg	1	1.00	<0.000860	88	76.9 - 114.7
Toluene	0.859	mg/Kg	1	1.00	<0.00211	86	77.3 - 113.7
Ethylbenzene	0.833	mg/Kg	1	1.00	<0.000988	83	79.5 - 112.5
Xylene	2.48	mg/Kg	1	3.00	<0.00163	83	81.8 - 111.8

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	0.914	mg/Kg	1	1.00	<0.000860	91	76.9 - 114.7	4	20
Toluene	0.893	mg/Kg	1	1.00	<0.00211	89	77.3 - 113.7	4	20
Ethylbenzene	0.870	mg/Kg	1	1.00	<0.000988	87	79.5 - 112.5	4	20
Xylene	2.61	mg/Kg	1	3.00	<0.00163	87	81.8 - 111.8	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)	0.898	0.859	mg/Kg	1	1.00	90	86	70 - 130
4-Bromofluorobenzene (4-BFB)	0.822	0.861	mg/Kg	1	1.00	82	86	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38930 | Date Analyzed: 2007-07-11 | Analyzed By: TG
Prep Batch: 33694 | QC Preparation: 2007-07-10 | Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	274	mg/Kg	1	250	<10.7	110	64.1 - 124

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	275	mg/Kg	1	250	<10.7	110	64.1 - 124	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	212	214	mg/Kg	1	150	141	143	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 129124

QC Batch: 38854
Prep Batch: 33628

Date Analyzed: 2007-07-06
QC Preparation: 2007-07-06

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.17	mg/Kg	1	10.0	4.52	36	10 - 141.5

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
GRO	8.38	mg/Kg	1	10.0	4.52	39	10 - 141.5	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)	0.593	0.543	mg/Kg	1	1	59	54	40 - 125.3
4-Bromofluorobenzene (4-BFB)	1.09	1.03	mg/Kg	1	1	109	103	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 129162

QC Batch: 38855
Prep Batch: 33629

Date Analyzed: 2007-07-07
QC Preparation: 2007-07-07

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.46	mg/Kg	1	10.0	<0.739	75	10 - 141.5

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
GRO	7.52	mg/Kg	1	10.0	<0.739	75	10 - 141.5	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
Trifluorotoluene (TFT)	0.559	0.564	mg/Kg	1	1	56	56	40 - 125.3
4-Bromofluorobenzene (4-BFB) [3]	0.871	0.863	mg/Kg	1	1	87	86	86.7 - 144.5

[3]Surrogate out due to peak interference.

Matrix Spike (MS-1) Spiked Sample: 129346

QC Batch: 38913 | Date Analyzed: 2007-07-10 | Analyzed By: MT
Prep Batch: 33679 | QC Preparation: 2007-07-10 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.711	mg/Kg	1	1.00	<0.000860	71	55.7 - 117
Toluene	0.717	mg/Kg	1	1.00	<0.000211	72	58.3 - 134
Ethylbenzene	0.738	mg/Kg	1	1.00	<0.000988	74	58.8 - 146
Xylene	2.25	mg/Kg	1	3.00	<0.00163	75	59.3 - 148

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	0.674	mg/Kg	1	1.00	<0.000860	67	55.7 - 117	5	20
Toluene	0.676	mg/Kg	1	1.00	<0.000211	68	58.3 - 134	6	20
Ethylbenzene	0.716	mg/Kg	1	1.00	<0.000988	72	58.8 - 146	3	20
Xylene	2.18	mg/Kg	1	3.00	<0.00163	73	59.3 - 148	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.900	0.802	mg/Kg	1	1	90	80	70 - 130
4-Bromofluorobenzene (4-BFB)	0.977	0.899	mg/Kg	1	1	98	90	70 - 130

Matrix Spike (MS-1) Spiked Sample: 129159

QC Batch: 38930 | Date Analyzed: 2007-07-11 | Analyzed By: TG
Prep Batch: 33694 | QC Preparation: 2007-07-10 | Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	248	mg/Kg	1	250	<10.7	99	47.5 - 127

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	233	mg/Kg	1	250	<10.7	93	47.5 - 127	6	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	215	214	mg/Kg	1	150	143	143	62.5 - 164

Standard (ICV-1)

QC Batch: 38854 | Date Analyzed: 2007-07-06 | Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.884	88	85 - 115	2007-07-06

Standard (CCV-1)

QC Batch: 38854 Date Analyzed: 2007-07-06 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	1.06	106	85 - 115	2007-07-06

Standard (ICV-1)

QC Batch: 38855 Date Analyzed: 2007-07-07 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	1.05	105	85 - 115	2007-07-07

Standard (CCV-1)

QC Batch: 38855 Date Analyzed: 2007-07-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.894	89	85 - 115	2007-07-07

Standard (ICV-1)

QC Batch: 38913 Date Analyzed: 2007-07-10 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	0.0907	91	85 - 115	2007-07-10
Toluene		mg/Kg	0.100	0.0887	89	85 - 115	2007-07-10
Ethylbenzene		mg/Kg	0.100	0.0872	87	85 - 115	2007-07-10
Xylene		mg/Kg	0.300	0.262	87	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38913 Date Analyzed: 2007-07-10 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	0.0906	91	85 - 115	2007-07-10
Toluene		mg/Kg	0.100	0.0882	88	85 - 115	2007-07-10
Ethylbenzene		mg/Kg	0.100	0.0867	87	85 - 115	2007-07-10
Xylene		mg/Kg	0.300	0.259	86	85 - 115	2007-07-10

Standard (ICV-1)

QC Batch: 38930 Date Analyzed: 2007-07-11 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	285	114	85 - 115	2007-07-11

Standard (CCV-1)

QC Batch: 38930 Date Analyzed: 2007-07-11 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	245	98	85 - 115	2007-07-11

LAB Order ID # 7070608 Page 1 of 1

TraceAnalysis, Inc.

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

Company Name: NOVA SAFETY & ENVIRONMENTAL Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 COMMERCE, MIDLAND Fax #: 432-520-7701

Contact Person: URT STANLEY E-mail: jkoonce.novatraining@

Invoice to: (if different from above) DCP - MIDLAND

Project #: 8" LINE NEAR OIL CENTER BOOSTER Project Name: (SAME)

Project Location (including state): NW OF OIL CENTER, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
9158	FPF - 1	1	40z		X							X		7/5/2007	11:00
159	FPNW-1														11:05
160	FPSW-1														11:10
161	FPF - 2														11:25
162	FPF - 3														11:30

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																				

See Pg MM4

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	7/6/07	10:16			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				7/6/07	10:16

LAB USE ONLY: Intact (Y) N; Headspace Y / N; Temp 3.0 °; Log-In-Review

REMARKS: RUN 8021b (BTEX) ON Highest GRO Concentration.

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

Carrier #

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

ORIGINAL COPY

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 19, 2007

Work Order: 7071325

Project Location: NW of Oil Center, NM
Project Name: E Line Oil Booster
Project Number: E Line Oil Booster

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
129912	SB-1 @ 20'	soil	2007-07-12	09:50	2007-07-13
129918	SB-1 @ 50'	soil	2007-07-12	10:20	2007-07-13
129924	SB-2 @ 25'	soil	2007-07-12	11:45	2007-07-13
129929	SB-3 @ 25'	soil	2007-07-12	13:25	2007-07-13
129930	NSP	soil	2007-07-12	14:00	2007-07-13
129931	WSP	soil	2007-07-12	14:05	2007-07-13
129932	ESP	soil	2007-07-12	14:10	2007-07-13
129933	SSP	soil	2007-07-12	14:15	2007-07-13

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.

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: 129912 - SB-1 @ 20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

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		187	mg/Kg	1	150	125	61.7 - 143.2

Sample: 129912 - SB-1 @ 20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

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)		0.679	mg/Kg	1	1.00	68	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.796	mg/Kg	1	1.00	80	67.5 - 140.3

Sample: 129918 - SB-1 @ 50'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	39140	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

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		**0.0267**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	51.1 - 119.1

Sample: 129918 - SB-1 @ 50'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

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		169	mg/Kg	1	150	113	61.7 - 143.2

Sample: 129918 - SB-1 @ 50'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

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)		0.657	mg/Kg	1	1.00	66	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.804	mg/Kg	1	1.00	80	67.5 - 140.3

Sample: 129924 - SB-2 @ 25'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

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		188	mg/Kg	1	150	125	61.7 - 143.2

Sample: 129924 - SB-2 @ 25'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

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)		0.667	mg/Kg	1	1.00	67	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.792	mg/Kg	1	1.00	79	67.5 - 140.3

Sample: 129929 - SB-3 @ 25'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

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		167	mg/Kg	1	150	111	61.7 - 143.2

Sample: 129929 - SB-3 @ 25'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

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)		0.676	mg/Kg	1	1.00	68	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.793	mg/Kg	1	1.00	79	67.5 - 140.3

Sample: 129930 - NSP

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	39140	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.0258**	mg/Kg	1	0.0100
Ethylbenzene		**0.104**	mg/Kg	1	0.0100
Xylene		**1.47**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.868	mg/Kg	1	1.00	87	26 - 117.8
4-Bromofluorobenzene (4-BFB)	[1]	1.54	mg/Kg	1	1.00	154	51.1 - 119.1

Sample: 129930 - NSP

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**277**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		198	mg/Kg	1	150	132	61.7 - 143.2

Sample: 129930 - NSP

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**62.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.571	mg/Kg	1	1.00	57	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[2]	3.08	mg/Kg	1	1.00	308	67.5 - 140.3

Sample: 129931 - WSP

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	39105	Date Analyzed:	2007-07-16	Analyzed By:	AR
Prep Batch:	33847	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 129931 - WSP

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

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

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**53.8**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		196	mg/Kg	1	150	131	61.7 - 143.2

Sample: 129931 - WSP

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**7.94**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.665	mg/Kg	1	1.00	66	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.837	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 129932 - ESP

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**205**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		190	mg/Kg	1	150	127	61.7 - 143.2

Sample: 129932 - ESP

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.90**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.678	mg/Kg	1	1.00	68	52.4 - 123.7

continued ...

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.941	mg/Kg	1	1.00	94	67.5 - 140.3

Sample: 129933 - SSP

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	Sample Preparation:	2007-07-17	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**56.9**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		127	mg/Kg	1	150	85	61.7 - 143.2

Sample: 129933 - SSP

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39142	Date Analyzed:	2007-07-16	Analyzed By:	
Prep Batch:	33877	Sample Preparation:	2007-07-16	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.41**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.661	mg/Kg	1	1.00	66	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.955	mg/Kg	1	1.00	96	67.5 - 140.3

Method Blank (1) QC Batch: 39105

QC Batch:	39105	Date Analyzed:	2007-07-16	Analyzed By:	AR
Prep Batch:	33847	QC Preparation:	2007-07-16	Prepared By:	AR

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

Method Blank (1) QC Batch: 39131

QC Batch:	39131	Date Analyzed:	2007-07-17	Analyzed By:	
Prep Batch:	33871	QC Preparation:	2007-07-17	Prepared By:	

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		186	mg/Kg	1	150	124	61.7 - 143.2

Method Blank (1) QC Batch: 39140

QC Batch: 39140 Date Analyzed: 2007-07-16 Analyzed By:
Prep Batch: 33877 QC Preparation: 2007-07-16 Prepared By:

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)		1.08	mg/Kg	1	1.00	108	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	53.9 - 125.1

Method Blank (1) QC Batch: 39142

QC Batch: 39142 Date Analyzed: 2007-07-16 Analyzed By:
Prep Batch: 33877 QC Preparation: 2007-07-16 Prepared By:

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)		0.754	mg/Kg	1	1.00	75	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.700	mg/Kg	1	1.00	70	67.5 - 140.3

Laboratory Control Spike (LCS-1)

QC Batch: 39105 Date Analyzed: 2007-07-16 Analyzed By: AR
Prep Batch: 33847 QC Preparation: 2007-07-16 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<0.500	101	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	102	mg/Kg	1	100	<0.500	102	85 - 115	1	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: 39131
Prep Batch: 33871

Date Analyzed: 2007-07-17
QC Preparation: 2007-07-17

Analyzed By:
Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	221	mg/Kg	1	250	<13.4	88	62.5 - 135.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	210	mg/Kg	1	250	<13.4	84	62.5 - 135.4	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
n-Triacontane	162	200	mg/Kg	1	150	108	133	66.6 - 140.9

Laboratory Control Spike (LCS-1)

QC Batch: 39140
Prep Batch: 33877

Date Analyzed: 2007-07-16
QC Preparation: 2007-07-16

Analyzed By:
Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.02	mg/Kg	1	1.00	<0.00110	102	68.6 - 123.4
Toluene	1.03	mg/Kg	1	1.00	<0.00150	103	74.6 - 119.3
Ethylbenzene	1.03	mg/Kg	1	1.00	<0.00160	103	72.3 - 126.2
Xylene	3.09	mg/Kg	1	3.00	<0.00410	103	76.5 - 121.6

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.03	mg/Kg	1	1.00	<0.00110	103	68.6 - 123.4	1	20
Toluene	1.04	mg/Kg	1	1.00	<0.00150	104	74.6 - 119.3	1	20
Ethylbenzene	1.04	mg/Kg	1	1.00	<0.00160	104	72.3 - 126.2	1	20
Xylene	3.13	mg/Kg	1	3.00	<0.00410	104	76.5 - 121.6	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)	0.976	0.948	mg/Kg	1	1.00	98	95	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	1.08	1.08	mg/Kg	1	1.00	108	108	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 39142
Prep Batch: 33877

Date Analyzed: 2007-07-16
QC Preparation: 2007-07-16

Analyzed By:
Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.47	mg/Kg	1	10.0	<0.739	85	57.7 - 102.5

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	8.10	mg/Kg	1	10.0	<0.739	81	57.7 - 102.5	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.968	0.952	mg/Kg	1	1.00	97	95	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.842	0.817	mg/Kg	1	1.00	84	82	70 - 130

Matrix Spike (MS-1) Spiked Sample: 129936

QC Batch: 39105
Prep Batch: 33847

Date Analyzed: 2007-07-16
QC Preparation: 2007-07-16

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6130	mg/Kg	25	2500	3440.83	108	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	6150	mg/Kg	25	2500	3440.83	108	85 - 115	0	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: 129918

QC Batch: 39131
Prep Batch: 33871

Date Analyzed: 2007-07-17
QC Preparation: 2007-07-17

Analyzed By:
Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	202	mg/Kg	1	250	<13.4	81	29.7 - 168.6

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
DRO	244	mg/Kg	1	250	<13.4	98	29.7 - 168.6	19	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	193	183	mg/Kg	1	150	129	122	43.4 - 193.9

Matrix Spike (MS-1) Spiked Sample: 129776

QC Batch: 39140
Prep Batch: 33877

Date Analyzed: 2007-07-16
QC Preparation: 2007-07-16

Analyzed By:
Prepared By:

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[3]	1.68	mg/Kg	1	1.00	<0.00110	168	64.4 - 115.7
Toluene	[4]	1.69	mg/Kg	1	1.00	<0.00150	169	57.8 - 124.4
Ethylbenzene	[5]	1.76	mg/Kg	1	1.00	<0.00160	176	64.8 - 125.8
Xylene	[6]	5.29	mg/Kg	1	3.00	0.0087	176	65.2 - 121.8

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	[7]	1.69	mg/Kg	1	1.00	<0.00110	169	64.4 - 115.7	1	20
Toluene	[8]	1.72	mg/Kg	1	1.00	<0.00150	172	57.8 - 124.4	2	20
Ethylbenzene	[9]	1.81	mg/Kg	1	1.00	<0.00160	181	64.8 - 125.8	3	20
Xylene	[10]	5.44	mg/Kg	1	3.00	0.0087	181	65.2 - 121.8	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.973	0.968	mg/Kg	1	1	97	97	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	1.15	1.13	mg/Kg	1	1	115	113	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 129912

QC Batch: 39142
Prep Batch: 33877

Date Analyzed: 2007-07-16
QC Preparation: 2007-07-16

Analyzed By:
Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	6.49	mg/Kg	1	10.0	<0.739	65	10 - 141.5

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

continued ...

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

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO [11]	14.9	mg/Kg	1	10.0	<0.739	149	10 - 141.5	79	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)	0.553	0.453	mg/Kg	1	1	55	45	40 - 125.3
4-Bromofluorobenzene (4-BFB) [12]	0.840	0.922	mg/Kg	1	1	84	92	86.7 - 144.5

Standard (ICV-1)

QC Batch: 39105 Date Analyzed: 2007-07-16 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.4	97	85 - 115	2007-07-16

Standard (CCV-1)

QC Batch: 39105 Date Analyzed: 2007-07-16 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2007-07-16

Standard (ICV-1)

QC Batch: 39131 Date Analyzed: 2007-07-17 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	224	90	85 - 115	2007-07-17

Standard (CCV-1)

QC Batch: 39131 Date Analyzed: 2007-07-17 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	258	103	85 - 115	2007-07-17

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

Standard (CCV-2)

QC Batch: 39131 Date Analyzed: 2007-07-17 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	255	102	85 - 115	2007-07-17

Standard (ICV-1)

QC Batch: 39140 Date Analyzed: 2007-07-16 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	85 - 115	2007-07-16
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2007-07-16
Ethylbenzene		mg/Kg	0.100	0.102	102	85 - 115	2007-07-16
Xylene		mg/Kg	0.300	0.305	102	85 - 115	2007-07-16

Standard (CCV-1)

QC Batch: 39140 Date Analyzed: 2007-07-16 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0997	100	85 - 115	2007-07-16
Toluene		mg/Kg	0.100	0.0999	100	85 - 115	2007-07-16
Ethylbenzene		mg/Kg	0.100	0.0982	98	85 - 115	2007-07-16
Xylene		mg/Kg	0.300	0.293	98	85 - 115	2007-07-16

Standard (ICV-1)

QC Batch: 39142 Date Analyzed: 2007-07-16 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.05	105	85 - 115	2007-07-16

Standard (CCV-1)

QC Batch: 39142 Date Analyzed: 2007-07-16 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.07	107	85 - 115	2007-07-16

LAB Order ID # 7071325 Page 1 of 34

TraceAnalysis, Inc.

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Company Name: NOVA SAFETY & ENVIRONMENTAL Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701

Contact Person: CURT STANLEY E-mail: JKOONCE@NOVATRAINING.COM

Invoice to: (If different from above) DCP - MIDLAND

Project #: "E" LINE NEAR OIL CENTER Project Name: BOOSTER (SAME)

Project Location (including state): NW OF OIL CENTER, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
129909	SB-1@5'	1	4oz		X							X		7/12/2007	9:35
910	SB-1@10'														9:40
911	SB-1@15'														9:45
912	SB-1@20'														9:50
913	SB-1@25'														9:55
914	SB-1@30'														10:00
915	SB-1@35'														10:05
916	SB-1@40'														10:10
917	SB-1@45'														10:15
918	SB-1@50'														10:20
919	SB-1@55'														10:25

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: 7/13/07 Time: 13:20 Received by: Date: Time:

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

Relinquished by: Date: Time: Received at Laboratory by: Date: 7/13/07 Time: 13:20

LAB USE ONLY

Intact (Y) N

Headspace Y / N

Temp 2.6

Log-in-Review DC

REMARKS:

* RUN 8021B on highest SB-X GRO CONCENTRATION

** RUN 8021B on highest GRO conc

☐ Dry Weight Basis Required OF NSP

☐ TRRP Report Required WSP

☐ Check If Special Reporting Limits Are Needed ESP SSP

all tests - Midland

7-18 - Kendal GRO DRO, Chlorides

Carrier # Carry - in

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LAB Order ID # 7071325 Page 2 of 84

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 SAFETY & ENVIRONMENTAL Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701
Contact Person: CURT STANLEY E-mail: JKOONCE@NOVATRAINING.COM
Invoice to: (If different from above) DCP - MIDLAND
Project #: "E" LINE NEAR OIL CENTER BOOSTER Project Name: (SAME)
Project Location (including state): NW OF OIL CENTER, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
129920	SB-2@5'	1	40z		X							X		7/12	11:30
921	SB-2@10'														11:35
922	SB-2@15'														11:40
923	SB-2@20'														11:50
924	SB-2@25'														11:45
925	SB-3@5'														13:05
926	SB-3@10'														13:10
927	SB-3@15'														13:15
928	SB-3@20'														13:20
929	SB-3@25'														13:25
930	NSP														14:00

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: 7/13/07 Time: 13:20 Received by: Date: Time:
Relinquished by: Date: Time: Received by: Date: Time:
Relinquished by: Date: Time: Received at Laboratory by: Date: 7/13/07 Time: 13:20

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 2.6 °C
Log-in-Review DC

REMARKS:
* RUN 8021B ON highest SB-X GRO CONCENTRATION
* RUN 8021B ON highest GRO CON OF NSP
Dry Weight Basis Required WSP
TRRP Report Required ESP
Check If Special Reporting Limits Are Needed SSP
all tests - Midland

Carrier # Carry-in

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LAB Order ID # 7071325 Page 3 of 34

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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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 SAFETY & ENVIRONMENTAL Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701

Contact Person: CURT STANLEY E-mail: JKOONCE@NOVATRAININC.com

Invoice to: (If different from above) DCP - MIDLAND

Project #: "F" LINE NEAR OIL CENTER BOOSTER Project Name: (SAME)

Project Location (including state): NW OF OIL CENTER, NM Sampler Signature: Curt Stanley

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
129931	WSP	1	4oz		X							X		7/12/2007	14:05
932	ESP	↓	↓		↓							↓		↓	14:10
933	SSP	↓	↓		↓							↓		↓	14:15

	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
129931				X															
932				X															
933				X															

Relinquished by:	Date:	Time:	Received by: Date: Time:
Curt Stanley	7/13/07	13:20	
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Date: Time:
			7/13/07 1320

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LAB USE ONLY

Intact (Y) N *

Headspace Y / N *

Temp 2.6°

Log-in-Review DC

Carrier # Courier

REMARKS:

RUN 8021B ON highest SB-X GRO CONC.

RUN 8021B ON highest GRO CONC. OF

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

NSP
WSP
ESP
SSP

* all tests - Midland

LAB Order ID # 7071325 Page 4 of 4

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Tel (817) 201-5260

Company Name: NOVA SAFETY & ENVIRONMENTAL Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701

Contact Person: CURT STANLEY E-mail: JKOONCE@NOVATRAINING.COM

Invoice to: (If different from above) DCP-MIDLAND

Project #: Project Name:

"E" LINE NEAR OIL CENTER BOOSTER (SAME)

Project Location (including state): NW OF CENTER, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
129931	WSP	1	4oz		X							X		7/12/2007	14:05

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 (1H02103S)		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	7/13/07	13:20			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				7/13/07	13:20

LAB USE ONLY

Intact (Y) N

Headspace Y / N

Temp 2.6 °C

Log-in-Review CA

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Midland

all tests - Midland Basis

Carrier # Courier

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TRACEANALYSIS, INC.

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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: ab@traceanalysis.com

Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 23, 2007

Work Order: 7071833

Project Location: NW of Oil Center, NM
Project Name: E Line Oil Booster
Project Number: E Line Oil Booster

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
130329	F-1A @ 25'	soil	2007-07-18	11:00	2007-07-18
130330	F-2A @ 18'	soil	2007-07-18	11:45	2007-07-18
130331	FPF-2A @ 18'	soil	2007-07-18	12:21	2007-07-18

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

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 130329 - F-1A @ 25'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	39262	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33985	Sample Preparation:	2007-07-19	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		**0.0110**	mg/Kg	1	0.0100
Xylene		**0.0385**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.12	mg/Kg	1	1.00	112	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.19	mg/Kg	1	1.00	119	51.1 - 119.1

Sample: 130329 - F-1A @ 25'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39226	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33947	Sample Preparation:	2007-07-19	Prepared By:	

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		148	mg/Kg	1	150	99	32.9 - 167

Sample: 130329 - F-1A @ 25'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39265	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33985	Sample Preparation:	2007-07-19	Prepared By:	

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)		0.704	mg/Kg	1	1.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.836	mg/Kg	1	1.00	84	67.5 - 140.3

Sample: 130330 - F-2A @ 18'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39226	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33947	Sample Preparation:	2007-07-19	Prepared By:	

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		153	mg/Kg	1	150	102	32.9 - 167

Sample: 130330 - F-2A @ 18'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39265	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33985	Sample Preparation:	2007-07-19	Prepared By:	

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)		0.694	mg/Kg	1	1.00	69	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.793	mg/Kg	1	1.00	79	67.5 - 140.3

Sample: 130331 - FPF-2A @ 18'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39226	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33947	Sample Preparation:	2007-07-19	Prepared By:	

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		142	mg/Kg	1	150	95	32.9 - 167

Sample: 130331 - FPF-2A @ 18'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	39265	Date Analyzed:	2007-07-19	Analyzed By:	
Prep Batch:	33985	Sample Preparation:	2007-07-19	Prepared By:	

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)		0.696	mg/Kg	1	1.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.800	mg/Kg	1	1.00	80	67.5 - 140.3

Method Blank (1) QC Batch: 39226

QC Batch: 39226 Date Analyzed: 2007-07-19 Analyzed By:
Prep Batch: 33947 QC Preparation: 2007-07-19 Prepared By:

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	150	90	44.7 - 133.6

Method Blank (1) QC Batch: 39262

QC Batch: 39262 Date Analyzed: 2007-07-19 Analyzed By:
Prep Batch: 33985 QC Preparation: 2007-07-19 Prepared By:

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)		1.05	mg/Kg	1	1.00	105	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.947	mg/Kg	1	1.00	95	53.9 - 125.1

Method Blank (1) QC Batch: 39265

QC Batch: 39265 Date Analyzed: 2007-07-19 Analyzed By:
Prep Batch: 33985 QC Preparation: 2007-07-19 Prepared By:

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)		0.776	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.696	mg/Kg	1	1.00	70	67.5 - 140.3

Laboratory Control Spike (LCS-1)

QC Batch: 39226 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33947 | QC Preparation: 2007-07-19 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	177	mg/Kg	1	250	<14.6	71	47.5 - 144.1

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	180	mg/Kg	1	250	<14.6	72	47.5 - 144.1	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	113	121	mg/Kg	1	150	75	81	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 39262 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33985 | QC Preparation: 2007-07-19 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00110	101	68.6 - 123.4
Toluene	1.00	mg/Kg	1	1.00	<0.00150	100	74.6 - 119.3
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	72.3 - 126.2
Xylene	3.01	mg/Kg	1	3.00	<0.00410	100	76.5 - 121.6

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.993	mg/Kg	1	1.00	<0.00110	99	68.6 - 123.4	2	20
Toluene	1.00	mg/Kg	1	1.00	<0.00150	100	74.6 - 119.3	0	20
Ethylbenzene	0.995	mg/Kg	1	1.00	<0.00160	100	72.3 - 126.2	2	20
Xylene	2.99	mg/Kg	1	3.00	<0.00410	100	76.5 - 121.6	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)	0.974	0.911	mg/Kg	1	1.00	97	91	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	1.02	1.02	mg/Kg	1	1.00	102	102	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 39265 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33985 | QC Preparation: 2007-07-19 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.75	mg/Kg	1	10.0	<0.739	88	57.7 - 102.5

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	8.73	mg/Kg	1	10.0	<0.739	87	57.7 - 102.5	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)	1.16	1.01	mg/Kg	1	1.00	116	101	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.803	0.814	mg/Kg	1	1.00	80	81	70 - 130

Matrix Spike (MS-1) Spiked Sample: 130329

QC Batch: 39226 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33947 | QC Preparation: 2007-07-19 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	153	mg/Kg	1	250	<14.6	61	11.7 - 152.3

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
DRO	186	mg/Kg	1	250	<14.6	74	11.7 - 152.3	20	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	135	136	mg/Kg	1	150	90	91	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 130329

QC Batch: 39262 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33985 | QC Preparation: 2007-07-19 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene [1]	2.06	mg/Kg	1	1.00	<0.00110	206	64.4 - 115.7

continued ...

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

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	[2]	2.12	mg/Kg	1	1.00	<0.00150	212	57.8 - 124.4
Ethylbenzene	[3]	2.22	mg/Kg	1	1.00	<0.00160	222	64.8 - 125.8
Xylene	[4]	6.70	mg/Kg	1	3.00	<0.00410	223	65.2 - 121.8

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	[5]	1.64	mg/Kg	1	1.00	<0.00110	164	64.4 - 115.7	23	20
Toluene	[6]	1.70	mg/Kg	1	1.00	<0.00150	170	57.8 - 124.4	22	20
Ethylbenzene	[7]	1.79	mg/Kg	1	1.00	<0.00160	179	64.8 - 125.8	21	20
Xylene	[8]	5.42	mg/Kg	1	3.00	<0.00410	181	65.2 - 121.8	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)	0.910	0.959	mg/Kg	1	1	91	96	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	1.14	1.10	mg/Kg	1	1	114	110	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 130329

QC Batch: 39265 | Date Analyzed: 2007-07-19 | Analyzed By:
Prep Batch: 33985 | QC Preparation: 2007-07-19 | Prepared By:

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	[9]	18.4	mg/Kg	1	10.0	<0.739	184	10 - 141.5

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
GRO	[10]	6.89	mg/Kg	1	10.0	<0.739	69	10 - 141.5	91	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)		0.532	0.589	mg/Kg	1	1	53	59	40 - 125.3
4-Bromofluorobenzene (4-BFB)	[11]	0.999	0.830	mg/Kg	1	1	100	83	86.7 - 144.5

[2]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[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]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[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]RPD out of control limits due to extraction process. Use LCS/LCSD to demonstrate method is under control. •
[11]Surrogate out due to peak interference.

Standard (ICV-1)

QC Batch: 39226 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	240	96	85 - 115	2007-07-19

Standard (CCV-1)

QC Batch: 39226 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	229	92	85 - 115	2007-07-19

Standard (ICV-1)

QC Batch: 39262 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.110	110	85 - 115	2007-07-19
Toluene		mg/Kg	0.100	0.111	111	85 - 115	2007-07-19
Ethylbenzene		mg/Kg	0.100	0.113	113	85 - 115	2007-07-19
Xylene		mg/Kg	0.300	0.341	114	85 - 115	2007-07-19

Standard (CCV-1)

QC Batch: 39262 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0993	99	85 - 115	2007-07-19
Toluene		mg/Kg	0.100	0.0995	100	85 - 115	2007-07-19
Ethylbenzene		mg/Kg	0.100	0.0983	98	85 - 115	2007-07-19
Xylene		mg/Kg	0.300	0.294	98	85 - 115	2007-07-19

Standard (ICV-1)

QC Batch: 39265 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.10	110	85 - 115	2007-07-19

Standard (CCV-1)

QC Batch: 39265 Date Analyzed: 2007-07-19 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2007-07-19

LAB Order ID # 7071833 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
6015 Harris Pkwy, Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: NOVA SAFETY & ENVIRONMENTAL Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701

Contact Person: CURT STANLEY E-mail: JKOONCE@NOVATRAINING.COM

Invoice to: (If different from above) DCP - MIDLAND

Project #: "E" LINE NEAR OIL CENTER BOOSTER Project Name: (SAME)

Project Location (including state): NW OF OIL CENTER, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
30329	F-1A@25'	1	40z		X							X		7/12	11:00
30330	F-2A@18'		12												11:45
30331	FPF-2A@18'														12:21

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																					

8021B 8015 GRO/DRO

Relinquished by: Date: 7/18/07 Time: 14:05 Received by: Date: 7/18/07 Time: 14:05

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

Relinquished by: Date: 7/18/07 Time: 17:00 Received at Laboratory by: Date: 7/18/07 Time: 17:00

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

ORIGINAL COPY

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp 4.0 °C

Log-In-Review

Carrier #

REMARKS: all tests - Midland

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

Appendix C:
Release Notification and Corrective Action
Form C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised 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	DCP Midstream	Contact:	Lynn Ward
Address:	10 Desta Dr. Suite W400 Midland, TX 79705	Telephone No.	432-620-4207
Facility Name	"E"-Line Near Oil Center Booster	Facility Type:	8 Inch Steel Pipeline

Surface Owner:	Mineral Owner	Lease No.
Millard Deck Estate		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	29	20S	37E					Lea

Latitude 32 degrees, 32' 39.3" **Longitude** 103 degrees, 16' 09.8"

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: 10 BBL	Volume Recovered <1 BBL
Source of Release: 8" Steel Pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery May 27, 2007 / 13:19 hours
Was Immediate Notice Given? Yes ☐ No ☒ Not Required	If YES, To Whom? Gary Wink (NMOCD Hobbs District Office)	
By Whom? Doug Lowrie	Date and Hour May 27, 2007 / 15:05 hours	
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.*
Release was the result of internal corrosion of a low pressure 8 inch pipeline. The pipeline was shut-in, clamped and any recoverable hydrocarbons were recovered utilizing a vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 300 feet in length (east to west) and approximately 90 feet wide (north to south) at its widest extent. A water well search was performed and according to the NM Office of the State Engineer, depth to groundwater in the release area is 35 to 40' bgs. The depth to groundwater will require soil clean up levels not to exceed 100 mg/Kg TPH, 10 mg/Kg benzene and total BTEX not to exceed 50 mg/Kg. Horizontal and vertical delineation of site is pending.

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: Lynn Ward	OIL CONSERVATION DIVISION
Printed Name: Lynn Ward	Approved by District Supervisor: ENVIRONMENTAL ENGR
Title: Env. Specialist	Approval Date: 6.29.07 Expiration Date: 10.1.07
E-mail Address: lcward@dcpmidstream.com	Conditions of Approval: SUBMIT FINAL C-141 w/ DOCUMENTATION Attached ☐
Date: June 11, 2007 Phone: (432) 620-4207	

* Attach Additional Sheets If Necessary

RP#1472

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

State of New Mexico
Energy Minerals and Natural Resources

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

SEP 2007
Received
Hobbs
OCD

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	DCP Midstream	Contact:	Lynn Ward
Address:	10 Desta Dr. Suite W400 Midland, TX 79705	Telephone No.	432-620-4207
Facility Name	"E"-Line Near Oil Center Booster	Facility Type:	8 Inch Steel Pipeline

Surface Owner:	Mineral Owner	Lease No.
Millard Deck Estate		

LOCATION OF RELEASE

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Latitude 32 degrees, 32' 39.3" **Longitude** 103 degrees, 16' 09.8"

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By Whom? Doug Lowrie	Date and Hour May 27, 2007 / 15:05 hours	
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.*
Release was the result of internal corrosion of a low pressure 8 inch pipeline. The pipeline was shut-in, clamped and any recoverable hydrocarbons were recovered utilizing a vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 300 feet in length (east to west) and approximately 90 feet wide (north to south) at its widest extent. A total of three soil borings were advanced and groundwater was encountered at a depth of approximately 52 feet below ground surface. The depth to groundwater required soil clean up levels not to exceed 100 mg/Kg TPH, 10 mg/Kg benzene and total BTEX not to exceed 50 mg/Kg. The site was vertically and horizontally delineated through the advancement of soil borings and the excavation of impacted soil. Excavated soil was transported to a NMOCD licensed landfarm. A Site Closure Request has been submitted detailing additional remediation activities.

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: Lynn Ward	OIL CONSERVATION DIVISION
Printed Name: Lynn Ward	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: Env. Sp.	Approval Date: 9.21.07 Expiration Date: —
E-mail Address: lcward@dcpmidstream.com	Conditions of Approval: Attached ☐
Date: August 27, 2007 Phone: (432) 620-4207	

* Attach Additional Sheets If Necessary

IRP. 1472