SITE CLOSURE REPORT

SUNOCO DENTON/LOVINGTON STATION
UNIT B, SECTION 9, TOWNSHIP 16 SOUTH, RANGE 37 EAST
EAST OF LOVINGTON
LEA COUNTY, NEW MEXICO

RECEIVED
OCT 22 2010
HOBBSOCD

Prepared for:

Sunoco, Inc.
401 Cypress, Ste 610
Abilene, Texas 79601

NOVA
safety and environmental

Prepared by:

NOVA Safety and Environmental
2057 Commerce Drive
Midland, Texas 79703

October 2010

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

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NMOCD-Hobbs
11/05/10

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 NMOCD SITE CLASSIFICATION 1

3.0 SUMMARY OF FIELD ACTIVITIES 1

3.1 Impacted Soil Removal 1
3.2 Excavated Soil Remediation 2
3.3 Confirmation Soil Sampling and Analytical Results 2
3.4 Backfilling and Surface Restoration 2

4.0 SUMMARY AND REQUEST FOR CLOSURE 3

5.0 LIMITATIONS 3

6.0 DISTRIBUTION LIST 4

FIGURES

Figure 1: Site Location Map
Figure 2: Site Details and Confirmation Soil Sample Locations Map

TABLES

Table 1: Confirmation Soil Sample Analytical Results

APPENDICES

Appendix A: Laboratory Reports
Appendix B: NMOCD C-141 Form

1.0 INTRODUCTION

NOVA Safety and Environmental (NOVA), is pleased to submit to Sunoco, Inc (Sunoco) this Site Closure Report (SCR) for the former tank battery site known as Sunoco Denton/Lovington Station. The Sunoco Denton/Lovington Station site is a former tank battery location and was decommissioned in 2006 with the removal of the tanks and all ancillary equipment. The former tank battery site is located in Unit B, Section 9, Township 16 South, Range 37 East, Lea County, New Mexico. A Site Location Map is provided as Figure 1.

2.0 NMOCD SITE CLASSIFICATION

Groundwater in the vicinity of this site occurs at approximately fifty (50) feet 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 Sunoco Denton/Lovington Station site has a ranking score of 20 points. The soil cleanup levels for a site with a ranking score greater than 19 require benzene concentrations below 10 parts per million (ppm), total BTEX concentrations below 50 ppm and TPH-GRO/DRO concentrations below 100 ppm.

CLs?

3.0 SUMMARY OF FIELD ACTIVITIES

3.1 Impacted Soil Removal

In 2006, the Denton/Lovington Tank Battery was dismantled and all tanks and ancillary equipment were removed from the site. Following the removal of the battery equipment, the soils underlying the tanks, firewall berms and sidewalls were excavated to a depth of approximately two feet below ground surface (bgs). Impacted soils excavated from within the former battery were transported to the J&L Landfarm facility in Eunice, New Mexico for disposal. Clean, non-impacted material from a nearby source was used to backfill the excavation area.

On August 16, 2010, NOVA Safety and Environmental (NOVA) mobilized equipment to the site to over-excavate the former tank battery area and collect confirmation soil samples from the battery floor and side walls to determine that soil concentrations underneath the former battery were below NMOCD regulatory standards.

Based on visual and olfactory observations, excavation activities were suspended pending the analytical results of confirmation soil samples collected at locations within the excavation area. The final excavation measured approximately 50 feet in length by 27 feet in width and averaged approximately 2-½ feet in depth. Figure 2 is a Site Details and Confirmation Soil Sample Locations Map displaying the tank battery, excavation areas and other site details.

3.2 Excavated Soil Remediation

Impacted soil from the 2006 excavation activity was transported to the J&L Landfarm facility in Eunice, New Mexico for disposal. Clean, non-impacted material from a nearby source was used to backfill the excavation area.

3.3 Confirmation Soil Sampling and Analytical Results

On August 16, 2010, following excavation activities, six confirmation soil samples were collected from the excavation sidewalls and floor area beneath each former tank. All samples were collected utilizing standard soil sampling protocol as stated in NMOCD guidelines. Laboratory submitted samples were placed in sterile glass containers, equipped with a Teflon-lined lid furnished by the laboratory. The samples were labeled, placed on ice, chilled to a temperature of approximately 4°C and transported to Trace Analysis, Inc in Midland, Texas for analysis of Benzene, Toluene, Ethyl-benzene and Xylenes (BTEX) by EPA method 8021B, Total Petroleum Hydrocarbons (TPH) by EPA method 8015 and Chlorides by EPA method SM 4500-C1B. Appropriate chain-of-custody documentation and shipping protocols were followed. The laboratory analytical reports are provided in Appendix A. For reference, Figure 2 displays the locations of the confirmation soil samples and Table 1 presents the analytical results for the laboratory analyzed soil samples.

The analytical results of these six samples indicated TPH and BTEX concentrations were below the NMOCD regulatory standards of 100 mg/Kg and 50 mg/Kg, respectively, with the exception of three soil samples collected from the excavation sidewalls identified as South Side Wall, East Side Wall and West Side Wall. The analytical results for samples collected from the excavation sidewalls exhibited total petroleum hydrocarbon (TPH) concentrations ranging from 88.5 mg/Kg to 181 mg/Kg. Analytical results for chlorides on the six soil samples exhibited concentrations below 200 mg/Kg.

On August 31 and September 27, 2010, upon receipt of initial analytical results, the area surrounding the impacted South, West and East Side Walls were excavated further to the south, west and east approximately 1-2 feet. Confirmation soil sample were collected from the walls and submitted for laboratory analysis. The analytical results of the three soil samples indicated TPH and BTEX concentrations were below the NMOCD regulatory standards of 100 mg/Kg and 50 mg/Kg, respectively.

3.4 Backfilling and Surface Restoration

The entire excavation area was backfilled following receipt of the confirmation analytical results and the site was restored to original grade. Caliche material from the driveway was removed and clean top soil was placed down and reseeded with a mixture required by the New Mexico State Land Office.

4.0 SUMMARY AND REQUEST FOR CLOSURE

Based on the analytical results of laboratory analyzed confirmation soil samples obtained from the excavation floor and side walls, the area below the former tank battery are below applicable NMOCD clean up levels. NOVA on behalf of Sunoco, Inc. respectfully requests that the NMOCD grant closure to the Sunoco Denton/Lovington Station site.

5.0 LIMITATIONS

NOVA has prepared this Site Closure Report 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 on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Sunoco, Inc. 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 Sunoco, Inc.

6.0 DISTRIBUTION

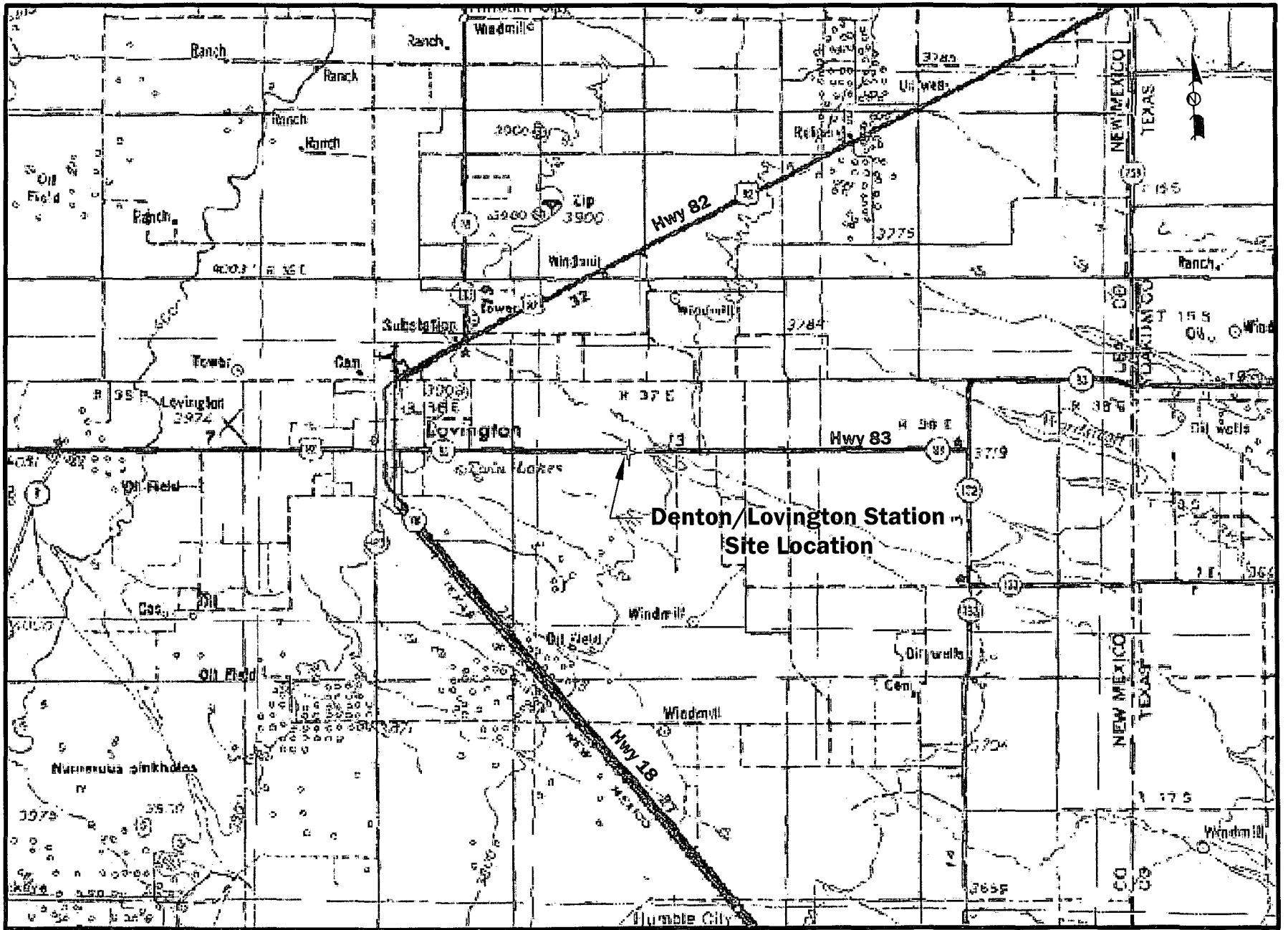
Sunoco, Inc.
Denton/Lovington Station, Crude Oil Tank Battery
Site Closure Report

Copy 1, 2 & 3: Craig Rutland
Sunoco, Inc
401 Cypress, Suite 610
Abilene, Texas 79601

Copy 4: Geoffrey Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240

Copy 5: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
rrounsaville@novatraining.cc

FIGURES



4 Miles 2 Mile 0 2 Mile 4 Miles

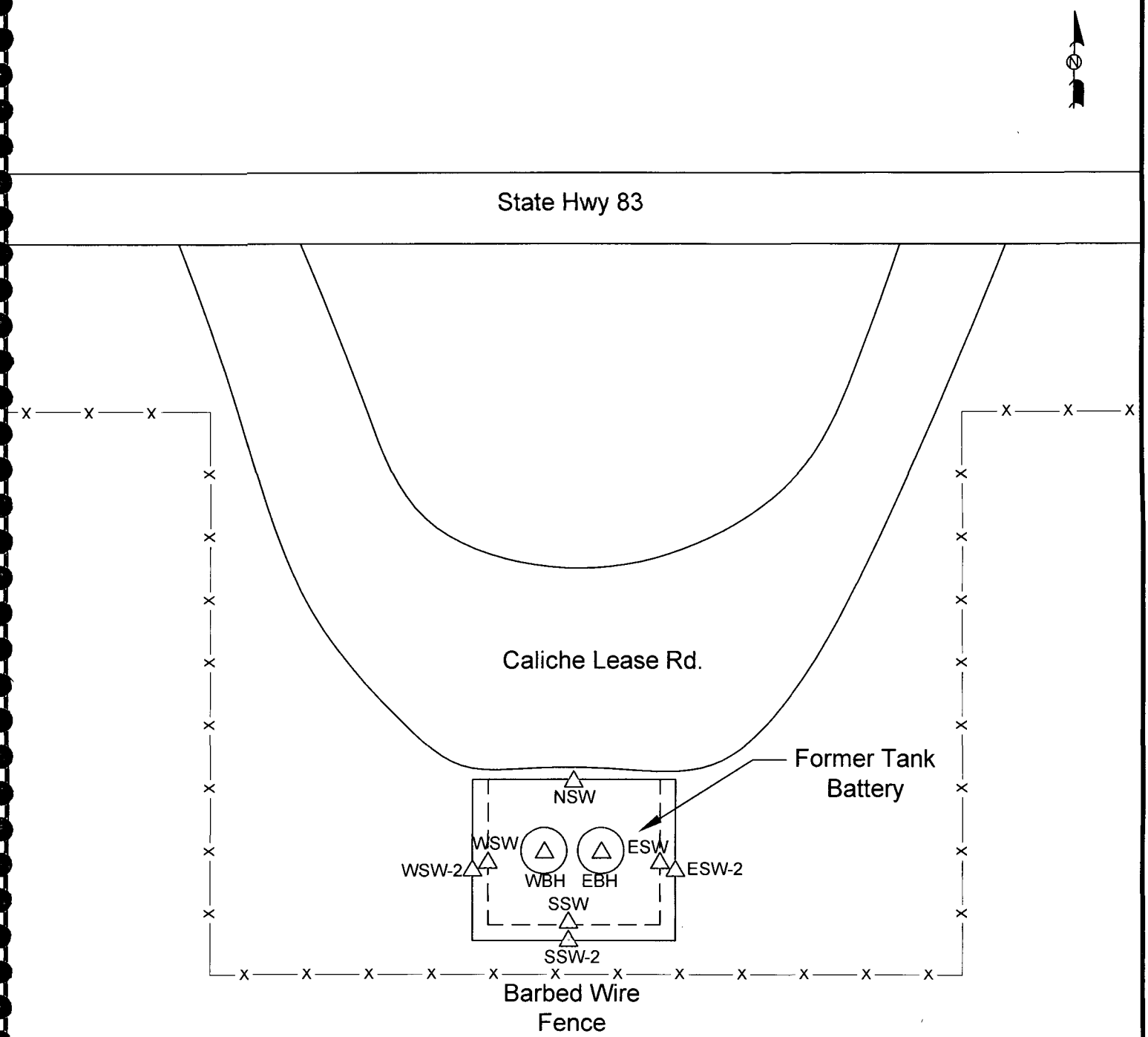
Figure 1

Site Location Map
Sunoco, Inc.
Denton / Lovington Station
Lea County, Nm

NOVA
safety and environmental

2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 21120'	Cad By: TA	Checked By: RR
August 25, 2010	Location: NW1/4,NE1/4,Sect 9, T16S, R37E. N 32° 56.611', W 103° 15.204'	



LEGEND:

△ Soil Sample Locations

Figure 2
Site Details and Confirmation Soil Sample Locations
Sunoco, Inc.
Denton / Lovington Station
Lea County, NM

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

NW1/4 SE1/4 Sec 24 T16S R33E		N 32° 56.611' W 103° 15.204'
Scale: NTS	CAD By: TA	Checked By: RKR
June 26, 2010		

TABLES

TABLE 1

Analytical Results - Confirmation Soil Samples
Sunoco Denton/Lovington Station
Lea County, New Mexico
Sunoco, Inc.

SAMPLE DATE	SAMPLE IDENTIFICATION	SAMPLE DEPTH	SOIL STATUS	Laboratory Analyzed By Method 8015B			SW 846-8021B, 5030					
				TPH (GRO) C_6-C_{12}	TPH (DRO) >C_{12}-C_{35}	TOTAL TPH C_6-C_{35}	Benzene	Toluene	Ethyl-Benzene	Xylene	Total BTEX	Chlorides
08/16/10	North Side Wall	2'	In-Situ	<2.00	<50.0	<50.0						<200
08/16/10	South Side Wall	2'	Excavated	<2.00	**181**	**181**						<200
08/16/10	East Side Wall	2'	Excavated	<2.00	**88.5**	**88.5**	<0.020	<0.020	<0.020	<0.020	<0.020	<200
08/16/10	West Side Wall	2'	Excavated	<2.00	**105**	**105**	<0.020	<0.020	<0.020	<0.020	<0.020	<200
08/16/10	East Bottom Hole	3'	In-Situ	<2.00	<50.0	<50.0						<200
08/16/10	West Bottom Hole	3'	In-Situ	<2.00	<50.0	<50.0						<200
08/31/10	East Side Wall-2	2'	In-Situ	<2.00	<50.0	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	
08/31/10	West Side Wall-2	2'	In-Situ	<2.00	<50.0	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	
09/27/10	South Side Wall-2	2'	In-Situ	<1.00	<50.0	<50.0	<0.010	<0.010	<0.010	<0.010	<0.010	

APPENDICES

APPENDIX A
Laboratory Analytical 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
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

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

Report Date: August 26, 2010

Work Order: 10081723

Project Location: Lovington, NM
Project Name: Sunoco Denton/Lovington Station
Project Number: BL-1214

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
241587	North Side Wall	soil	2010-08-16	14:15	2010-08-17
241588	South Side Wall	soil	2010-08-16	14:25	2010-08-17
241589	East Side Wall	soil	2010-08-16	14:40	2010-08-17
241590	West Side Wall	soil	2010-08-16	14:20	2010-08-17
241591	East Bottom Hole	soil	2010-08-16	14:30	2010-08-17
241592	West Bottom Hole	soil	2010-08-16	14:35	2010-08-17

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

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:
For inorganic analyses, the term MQL should actually read PQL.

Standard Flags

U - Not detected. The analyte is not detected above the SDL.
J - Estimated. The analyte is positively identified and the value is approximated between the SDL and MQL.
B - The sample contains less than ten times the concentration found in the method blank.
JB - The analyte is positively identified and the value is approximated between the SDL and MQL.
The sample contains less than ten times the concentration found in the method blank.
The result should be considered non-detect to the SDL.

Michael Abel

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

Case Narrative

Samples for project Sunoco Denton/Lovington Station were received by TraceAnalysis, Inc. on 2010-08-17 and assigned to work order 10081723. Samples for work order 10081723 were received intact at a temperature of 3.9 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	62423	2010-08-21 at 17:00	72813	2010-08-22 at 10:38
BTEX	S 8021B	62544	2010-08-25 at 11:00	72948	2010-08-25 at 15:27
TPH DRO - NEW	S 8015 D	62428	2010-08-20 at 13:56	72812	2010-08-20 at 13:56
TPH GRO	S 8015 D	62423	2010-08-21 at 17:00	72815	2010-08-22 at 11:05

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10081723 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 241587 - North Side Wall

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	72812	Date Analyzed:	2010-08-20	Analyzed By:	kg
Prep Batch:	62428	Sample Preparation:	2010-08-20	Prepared By:	kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO	U	<14.5	<50.0	<14.5	mg/Kg	1	14.5	50	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		104	mg/Kg	1	100	104	70 - 130

Sample: 241587 - North Side Wall

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	72815	Date Analyzed:	2010-08-22	Analyzed By:	AG
Prep Batch:	62423	Sample Preparation:	2010-08-21	Prepared By:	AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.27	mg/Kg	1	2.00	64	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	2.00	56	42 - 159

Sample: 241588 - South Side Wall

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	72812	Date Analyzed:	2010-08-20	Analyzed By:	kg
Prep Batch:	62428	Sample Preparation:	2010-08-20	Prepared By:	kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO	J	**181**	<250	<72.5	mg/Kg	5	72.5	50	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	[1]	188	mg/Kg	5	100	188	70 - 130

Sample: 241588 - South Side Wall

Laboratory: Midland
Analysis: TPH GRO | Analytical Method: S 8015 D | Prep Method: S 5035
QC Batch: 72815 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | Sample Preparation: 2010-08-21 | Prepared By: AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.34	mg/Kg	1	2.00	67	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	2.00	59	42 - 159

Sample: 241589 - East Side Wall

Laboratory: Midland
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 72948 | Date Analyzed: 2010-08-25 | Analyzed By: AG
Prep Batch: 62544 | Sample Preparation: 2010-08-25 | Prepared By: AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.0150	<0.0200	<0.0150	mg/Kg	1	0.0150	0.02	0.015
Toluene	U	<0.00950	<0.0200	<0.00950	mg/Kg	1	0.00950	0.02	0.0095
Ethylbenzene	U	<0.0106	<0.0200	<0.0106	mg/Kg	1	0.0106	0.02	0.0106
Xylene	U	<0.00930	<0.0200	<0.00930	mg/Kg	1	0.00930	0.02	0.0093

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.10	mg/Kg	1	2.00	105	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.59	mg/Kg	1	2.00	80	38.4 - 157

Sample: 241589 - East Side Wall

Laboratory: Midland
Analysis: TPH DRO - NEW | Analytical Method: S 8015 D | Prep Method: N/A

[1]High surrogate recovery due to peak interference.

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg
Prep Batch: 62428 | Sample Preparation: 2010-08-20 | Prepared By: kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO		**88.5**	**88.5**	<14.5	mg/Kg	1	14.5	50	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		122	mg/Kg	1	100	122	70 - 130

Sample: 241589 - East Side Wall

Laboratory: Midland
Analysis: TPH GRO | Analytical Method: S 8015 D | Prep Method: S 5035
QC Batch: 72815 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | Sample Preparation: 2010-08-21 | Prepared By: AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	2.00	51	48.5 - 152
4-Bromofluorobenzene (4-BFB)		0.845	mg/Kg	1	2.00	42	42 - 159

Sample: 241590 - West Side Wall

Laboratory: Midland
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5035
QC Batch: 72813 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | Sample Preparation: 2010-08-21 | Prepared By: AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	<0.0150	<0.0200	<0.0150	mg/Kg	1	0.0150	0.02	0.015
Toluene	U	<0.00950	<0.0200	<0.00950	mg/Kg	1	0.00950	0.02	0.0095
Ethylbenzene	U	<0.0106	<0.0200	<0.0106	mg/Kg	1	0.0106	0.02	0.0106
Xylene	U	<0.00930	<0.0200	<0.00930	mg/Kg	1	0.00930	0.02	0.0093

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.44	mg/Kg	1	2.00	72	52.8 - 137
4-Bromofluorobenzene (4-BFB)		1.23	mg/Kg	1	2.00	62	38.4 - 157

Sample: 241590 - West Side Wall

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	72812	Date Analyzed:	2010-08-20	Analyzed By:	kg
Prep Batch:	62428	Sample Preparation:	2010-08-20	Prepared By:	kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO		**105**	**105**	<14.5	mg/Kg	1	14.5	50	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	[2]	134	mg/Kg	1	100	134	70 - 130

Sample: 241590 - West Side Wall

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	72815	Date Analyzed:	2010-08-22	Analyzed By:	AG
Prep Batch:	62423	Sample Preparation:	2010-08-21	Prepared By:	AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.60	mg/Kg	1	2.00	80	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	2.00	66	42 - 159

Sample: 241591 - East Bottom Hole

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	72812	Date Analyzed:	2010-08-20	Analyzed By:	kg
Prep Batch:	62428	Sample Preparation:	2010-08-20	Prepared By:	kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO	J	**24.2**	<50.0	<14.5	mg/Kg	1	14.5	50	14.5

[2]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		112	mg/Kg	1	100	112	70 - 130

Sample: 241591 - East Bottom Hole

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	72815	Date Analyzed:	2010-08-22	Analyzed By:	AG
Prep Batch:	62423	Sample Preparation:	2010-08-21	Prepared By:	AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	2.00	52	48.5 - 152
4-Bromofluorobenzene (4-BFB)		0.838	mg/Kg	1	2.00	42	42 - 159

Sample: 241592 - West Bottom Hole

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	72812	Date Analyzed:	2010-08-20	Analyzed By:	kg
Prep Batch:	62428	Sample Preparation:	2010-08-20	Prepared By:	kg

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
DRO	J	**40.2**	<50.0	<14.5	mg/Kg	1	14.5	50	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		124	mg/Kg	1	100	124	70 - 130

Sample: 241592 - West Bottom Hole

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	72815	Date Analyzed:	2010-08-22	Analyzed By:	AG
Prep Batch:	62423	Sample Preparation:	2010-08-21	Prepared By:	AG

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
GRO	U	<1.65	<2.00	<1.65	mg/Kg	1	1.65	2	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.77	mg/Kg	1	2.00	88	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.43	mg/Kg	1	2.00	72	42 - 159

Method Blank (1)

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg
Prep Batch: 62428 | QC Preparation: 2010-08-20 | Prepared By: kg

Parameter	Flag	Result	Units	Reporting Limits
DRO		<14.5	mg/Kg	14.5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.6	mg/Kg	1	100	99	70 - 130

Method Blank (1)

QC Batch: 72813 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Parameter	Flag	Result	Units	Reporting Limits
Benzene		<0.0150	mg/Kg	0.015
Toluene		<0.00950	mg/Kg	0.0095
Ethylbenzene		<0.0106	mg/Kg	0.0106
Xylene		<0.00930	mg/Kg	0.0093

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.83	mg/Kg	1	2.00	92	66.6 - 122
4-Bromofluorobenzene (4-BFB)		1.32	mg/Kg	1	2.00	66	55.4 - 132

Method Blank (1)

QC Batch: 72815 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Parameter	Flag	Result	Units	Reporting Limits
GRO		<1.65	mg/Kg	1.65

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	1	2.00	104	67.6 - 150
4-Bromofluorobenzene (4-BFB)		1.43	mg/Kg	1	2.00	72	52.4 - 130

Method Blank (1)

QC Batch: 72948 | Date Analyzed: 2010-08-25 | Analyzed By: AG
Prep Batch: 62544 | QC Preparation: 2010-08-25 | Prepared By: AG

Parameter	Flag	Result	Units	Reporting Limits
Benzene		<0.0150	mg/Kg	0.015
Toluene		<0.00950	mg/Kg	0.0095
Ethylbenzene		<0.0106	mg/Kg	0.0106
Xylene		<0.00930	mg/Kg	0.0093

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.04	mg/Kg	1	2.00	102	66.6 - 122
4-Bromofluorobenzene (4-BFB)		1.23	mg/Kg	1	2.00	62	55.4 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg
Prep Batch: 62428 | QC Preparation: 2010-08-20 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	241	mg/Kg	1	250	<14.5	96	57.4 - 133.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	234	mg/Kg	1	250	<14.5	94	57.4 - 133.4	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	110	108	mg/Kg	1	100	110	108	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 72813 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.98	mg/Kg	1	2.00	<0.0150	99	81.9 - 108
Toluene	1.87	mg/Kg	1	2.00	<0.00950	94	81.9 - 107
Ethylbenzene	1.69	mg/Kg	1	2.00	<0.0106	84	78.4 - 107
Xylene	5.09	mg/Kg	1	6.00	<0.00930	85	79.1 - 107

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.06	mg/Kg	1	2.00	<0.0150	103	81.9 - 108	4	20
Toluene	1.95	mg/Kg	1	2.00	<0.00950	98	81.9 - 107	4	20
Ethylbenzene	1.81	mg/Kg	1	2.00	<0.0106	90	78.4 - 107	7	20
Xylene	5.43	mg/Kg	1	6.00	<0.00930	90	79.1 - 107	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.66	1.61	mg/Kg	1	2.00	83	80	70.2 - 114
4-Bromofluorobenzene (4-BFB)	1.49	1.43	mg/Kg	1	2.00	74	72	69.8 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 72815 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	14.3	mg/Kg	1	20.0	<1.65	72	69.9 - 95.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	14.2	mg/Kg	1	20.0	<1.65	71	69.9 - 95.4	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.05	1.86	mg/Kg	1	2.00	102	93	61.9 - 142
4-Bromofluorobenzene (4-BFB)	1.64	1.51	mg/Kg	1	2.00	82	76	68.2 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 72948 | Date Analyzed: 2010-08-25 | Analyzed By: AG
Prep Batch: 62544 | QC Preparation: 2010-08-25 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.04	mg/Kg	1	2.00	<0.0150	102	81.9 - 108
Toluene	1.93	mg/Kg	1	2.00	<0.00950	96	81.9 - 107
Ethylbenzene	1.77	mg/Kg	1	2.00	<0.0106	88	78.4 - 107
Xylene	5.25	mg/Kg	1	6.00	<0.00930	88	79.1 - 107

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.07	mg/Kg	1	2.00	<0.0150	104	81.9 - 108	1	20
Toluene	1.96	mg/Kg	1	2.00	<0.00950	98	81.9 - 107	2	20
Ethylbenzene	1.81	mg/Kg	1	2.00	<0.0106	90	78.4 - 107	2	20
Xylene	5.38	mg/Kg	1	6.00	<0.00930	90	79.1 - 107	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.95	1.93	mg/Kg	1	2.00	98	96	70.2 - 114
4-Bromofluorobenzene (4-BFB)	1.53	1.51	mg/Kg	1	2.00	76	76	69.8 - 121

Matrix Spike (MS-1) Spiked Sample: 241463

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg
Prep Batch: 62428 | QC Preparation: 2010-08-20 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	216	mg/Kg	1	250	<14.5	86	35.2 - 167.1

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	226	mg/Kg	1	250	<14.5	90	35.2 - 167.1	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	98.4	104	mg/Kg	1	100	98	104	70 - 130

Matrix Spike (MS-1) Spiked Sample: 241471

QC Batch: 72813 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[3]	2.38	mg/Kg	1	2.00	<0.0150	119	80.5 - 112
Toluene	[4]	2.32	mg/Kg	1	2.00	<0.00950	116	82.4 - 113
Ethylbenzene		2.27	mg/Kg	1	2.00	<0.0106	114	83.9 - 114
Xylene		6.80	mg/Kg	1	6.00	<0.00930	113	84 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.16	mg/Kg	1	2.00	<0.0150	108	80.5 - 112	10	20
Toluene	2.13	mg/Kg	1	2.00	<0.00950	106	82.4 - 113	8	20
Ethylbenzene	2.10	mg/Kg	1	2.00	<0.0106	105	83.9 - 114	8	20
Xylene	6.31	mg/Kg	1	6.00	<0.00930	105	84 - 114	8	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.68	1.43	mg/Kg	1	2	84	72	41.3 - 117
4-Bromofluorobenzene (4-BFB)	1.57	1.28	mg/Kg	1	2	78	64	35.5 - 129

Matrix Spike (MS-1) Spiked Sample: 241593

QC Batch: 72815 | Date Analyzed: 2010-08-22 | Analyzed By: AG
Prep Batch: 62423 | QC Preparation: 2010-08-21 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	16.6	mg/Kg	1	20.0	<1.65	83	61.8 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	16.4	mg/Kg	1	20.0	<1.65	82	61.8 - 114	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.70	2.03	mg/Kg	1	2	85	102	50 - 162
4-Bromofluorobenzene (4-BFB)	1.54	1.80	mg/Kg	1	2	77	90	50 - 162

[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.

Matrix Spike (MS-1) Spiked Sample: 242010

QC Batch: 72948 | Date Analyzed: 2010-08-25 | Analyzed By: AG
Prep Batch: 62544 | QC Preparation: 2010-08-25 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene [5]	2.31	mg/Kg	1	2.00	<0.0150	116	80.5 - 112
Toluene	2.25	mg/Kg	1	2.00	<0.00950	112	82.4 - 113
Ethylbenzene	2.18	mg/Kg	1	2.00	<0.0106	109	83.9 - 114
Xylene	6.44	mg/Kg	1	6.00	<0.00930	107	84 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.18	mg/Kg	1	2.00	<0.0150	109	80.5 - 112	6	20
Toluene	2.13	mg/Kg	1	2.00	<0.00950	106	82.4 - 113	6	20
Ethylbenzene	2.08	mg/Kg	1	2.00	<0.0106	104	83.9 - 114	5	20
Xylene	6.14	mg/Kg	1	6.00	<0.00930	102	84 - 114	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.21	2.06	mg/Kg	1	2	110	103	41.3 - 117
4-Bromofluorobenzene (4-BFB)	1.76	1.64	mg/Kg	1	2	88	82	35.5 - 129

Standard (CCV-2)

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	80 - 120	2010-08-20

Standard (CCV-3)

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	239	96	80 - 120	2010-08-20

Standard (CCV-4)

QC Batch: 72812 | Date Analyzed: 2010-08-20 | Analyzed By: kg

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	228	91	80 - 120	2010-08-20

Standard (CCV-2)

QC Batch: 72813 Date Analyzed: 2010-08-22 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	0.105	105	80 - 120	2010-08-22
Toluene		mg/Kg	0.100	0.0994	99	80 - 120	2010-08-22
Ethylbenzene		mg/Kg	0.100	0.0915	92	80 - 120	2010-08-22
Xylene		mg/Kg	0.300	0.274	91	80 - 120	2010-08-22

Standard (CCV-3)

QC Batch: 72813 Date Analyzed: 2010-08-22 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	0.103	103	80 - 120	2010-08-22
Toluene		mg/Kg	0.100	0.0972	97	80 - 120	2010-08-22
Ethylbenzene		mg/Kg	0.100	0.0878	88	80 - 120	2010-08-22
Xylene		mg/Kg	0.300	0.264	88	80 - 120	2010-08-22

Standard (CCV-1)

QC Batch: 72815 Date Analyzed: 2010-08-22 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	0.892	89	80 - 120	2010-08-22

Standard (CCV-2)

QC Batch: 72815 Date Analyzed: 2010-08-22 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	0.860	86	80 - 120	2010-08-22

Standard (CCV-3)

QC Batch: 72815 | Date Analyzed: 2010-08-22 | 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	0.931	93	80 - 120	2010-08-22

Standard (CCV-1)

QC Batch: 72948 | Date Analyzed: 2010-08-25 | 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	0.100	100	80 - 120	2010-08-25
Toluene		mg/Kg	0.100	0.0945	94	80 - 120	2010-08-25
Ethylbenzene		mg/Kg	0.100	0.0846	85	80 - 120	2010-08-25
Xylene		mg/Kg	0.300	0.254	85	80 - 120	2010-08-25

Standard (CCV-2)

QC Batch: 72948 | Date Analyzed: 2010-08-25 | 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	0.104	104	80 - 120	2010-08-25
Toluene		mg/Kg	0.100	0.0988	99	80 - 120	2010-08-25
Ethylbenzene		mg/Kg	0.100	0.0906	91	80 - 120	2010-08-25
Xylene		mg/Kg	0.300	0.266	89	80 - 120	2010-08-25

LAB Order ID # 10081723

Page 1 of

TraceAnalysis, Inc.

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Contact Person: Ron Lounsaville
E-mail:
Invoice to: (If different from above) Blagg Eng. NOVA
Project #: BL-1214
Project Name: Sunoco DENTON/LOVINGTON STATION
Project Location (including state): Lea Co. NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
24587	NORTH Sidewall	1	402		X							X		5/16/10	1415
588	South Sidewall	1			X							X			1425
589	EAST Sidewall	1			X							X			1440
590	WEST Sidewall	1			X							X			1420
591	EAST Bottomhole	1			X							X			1430
592	WEST Bottomhole	1			X							X			1435

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
		5/17/10	1110		Traco	5/17/10	11:10	INST OBS 3.9 °C COR °C
								INST OBS °C COR °C
								INST OBS °C COR °C

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

REMARKS:
all tests - Midland

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

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

Carrier #

ORIGINAL COPY

TRACEANALYSIS, INC.

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Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

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

Report Date: September 14, 2010

Work Order: 10081723

Project Location: Lovington, NM
Project Name: Sunoco Denton/Lovington Station
Project Number: BL-1214

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
241587	North Side Wall	soil	2010-08-16	14:15	2010-08-17
241588	South Side Wall	soil	2010-08-16	14:25	2010-08-17
241589	East Side Wall	soil	2010-08-16	14:40	2010-08-17
241590	West Side Wall	soil	2010-08-16	14:20	2010-08-17
241591	East Bottom Hole	soil	2010-08-16	14:30	2010-08-17
241592	West Bottom Hole	soil	2010-08-16	14:35	2010-08-17

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

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

Standard Flags

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

Case Narrative

Samples for project Sunoco Denton/Lovington Station were received by TraceAnalysis, Inc. on 2010-08-17 and assigned to work order 10081723. Samples for work order 10081723 were received intact at a temperature of 3.9 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	62931	2010-09-09 at 09:22	73396	2010-09-10 at 11:24

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10081723 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 241587 - North Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

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

Sample: 241588 - South Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

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

Sample: 241589 - East Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

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

Sample: 241590 - West Side Wall

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

continued ...

sample 241590 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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

Sample: 241591 - East Bottom Hole

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

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

Sample: 241592 - West Bottom Hole

Laboratory:	Midland				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	Sample Preparation:	2010-09-09	Prepared By:	AR

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

Method Blank (1) QC Batch: 73396

QC Batch:	73396	Date Analyzed:	2010-09-10	Analyzed By:	AR
Prep Batch:	62931	QC Preparation:	2010-09-09	Prepared By:	AR

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

Laboratory Control Spike (LCS-1)

QC Batch: 73396 | Date Analyzed: 2010-09-10 | Analyzed By: AR
Prep Batch: 62931 | QC Preparation: 2010-09-09 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	96.0	mg/Kg	1	100	<2.18	96	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	101	mg/Kg	1	100	<2.18	101	85 - 115	5	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: 241596

QC Batch: 73396 | Date Analyzed: 2010-09-10 | Analyzed By: AR
Prep Batch: 62931 | QC Preparation: 2010-09-09 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9970	mg/Kg	100	10000	<218	100	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10200	mg/Kg	100	10000	<218	102	85 - 115	2	20

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

Standard (ICV-1)

QC Batch: 73396 | Date Analyzed: 2010-09-10 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2010-09-10

Standard (CCV-1)

QC Batch: 73396 | Date Analyzed: 2010-09-10 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2010-09-10

LAB Order ID # 10081723

Page 1 of

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: NOVA — **Phone #:**

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

Contact Person: Ron Rounsaville — **E-mail:**

Invoice to: (If different from above) Blagg Engineering, NOVA

Project #: BL-1214 — **Project Name:** Sunoco DENTON/LOVINGTON STATION

Project Location (including state): Lea Co. NM — **Sampler Signature:** Ron Rounsaville

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
24587	NORTH SIDEWALL	1	402		X							X		8/16/10	1415
588	South Sidewall	1			X							X			1425
589	EAST Sidewall	1			X							X			1440
590	WEST Sidewall	1			X							X			1420
591	EAST Bottomhole	1			X							X			1430
592	WEST Bottomhole	1			X							X			1435

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

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
		8/17/10	1110		Trace	8/17/10	11:10	INST OBS 3.9 °C COR °C
								INST OBS °C COR °C
								INST OBS °C COR °C

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

REMARKS: all tests - Midland

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

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

Carrier # Carrizo

ORIGINAL COPY

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

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

NELAP Certifications

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

Analytical and Quality Control Report

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

Report Date: September 3, 2010

Work Order: 10090128

Project Location: Lovington, NM
Project Name: Sunoco Denton/Lovington Station
Project Number: BL-1214

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
243259	South Side Wall-2	soil	2010-08-31	13:20	2010-09-01
243260	West Side Wall-2	soil	2010-08-31	13:40	2010-09-01

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

Michael Abel

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

Standard Flags

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

Case Narrative

Samples for project Sunoco Denton/Lovington Station were received by TraceAnalysis, Inc. on 2010-09-01 and assigned to work order 10090128. Samples for work order 10090128 were received intact at a temperature of 4.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	62762	2010-09-01 at 12:00	73174	2010-09-01 at 09:52
TPH DRO - NEW	S 8015 D	62781	2010-09-02 at 10:12	73210	2010-09-02 at 10:12
TPH GRO	S 8015 D	62762	2010-09-01 at 12:00	73175	2010-09-01 at 10:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10090128 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 243259 - South Side Wall-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	73174	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	Sample Preparation:	2010-09-01	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.17	mg/Kg	1	2.00	108	52.8 - 137
4-Bromofluorobenzene (4-BFB)		2.22	mg/Kg	1	2.00	111	38.4 - 157

Sample: 243259 - South Side Wall-2

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	73210	Date Analyzed:	2010-09-02	Analyzed By:	kg
Prep Batch:	62781	Sample Preparation:	2010-09-02	Prepared By:	kg

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		99.4	mg/Kg	1	100	99	70 - 130

Sample: 243259 - South Side Wall-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	73175	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	Sample Preparation:	2010-09-01	Prepared By:	AG

continued ...

sample 243259 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.16	mg/Kg	1	2.00	108	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.94	mg/Kg	1	2.00	97	42 - 159

Sample: 243260 - West Side Wall-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	73174	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	Sample Preparation:	2010-09-01	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.23	mg/Kg	1	2.00	112	52.8 - 137
4-Bromofluorobenzene (4-BFB)		2.20	mg/Kg	1	2.00	110	38.4 - 157

Sample: 243260 - West Side Wall-2

Laboratory:	Midland				
Analysis:	TPH DRO - NEW	Analytical Method:	S 8015 D	Prep Method:	N/A
QC Batch:	73210	Date Analyzed:	2010-09-02	Analyzed By:	kg
Prep Batch:	62781	Sample Preparation:	2010-09-02	Prepared By:	kg

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		94.6	mg/Kg	1	100	95	70 - 130

Sample: 243260 - West Side Wall-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015 D	Prep Method:	S 5035
QC Batch:	73175	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	Sample Preparation:	2010-09-01	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.19	mg/Kg	1	2.00	110	48.5 - 152
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	42 - 159

Method Blank (1) QC Batch: 73174

QC Batch:	73174	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	QC Preparation:	2010-09-01	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.05	mg/Kg	1	2.00	102	66.6 - 122
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	55.4 - 132

Method Blank (1) QC Batch: 73175

QC Batch:	73175	Date Analyzed:	2010-09-01	Analyzed By:	AG
Prep Batch:	62762	QC Preparation:	2010-09-01	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	67.6 - 150
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	52.4 - 130

Method Blank (1) QC Batch: 73210

QC Batch: 73210 | Date Analyzed: 2010-09-02 | Analyzed By: kg
Prep Batch: 62781 | QC Preparation: 2010-09-02 | Prepared By: kg

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		96.7	mg/Kg	1	100	97	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 73174 | Date Analyzed: 2010-09-01 | Analyzed By: AG
Prep Batch: 62762 | QC Preparation: 2010-09-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.12	mg/Kg	1	2.00	<0.0150	106	81.9 - 108
Toluene	2.10	mg/Kg	1	2.00	<0.00950	105	81.9 - 107
Ethylbenzene	2.14	mg/Kg	1	2.00	<0.0106	107	78.4 - 107
Xylene	6.38	mg/Kg	1	6.00	<0.00930	106	79.1 - 107

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.11	mg/Kg	1	2.00	<0.0150	106	81.9 - 108	0	20
Toluene	2.10	mg/Kg	1	2.00	<0.00950	105	81.9 - 107	0	20
Ethylbenzene	2.14	mg/Kg	1	2.00	<0.0106	107	78.4 - 107	0	20
Xylene	6.41	mg/Kg	1	6.00	<0.00930	107	79.1 - 107	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)	1.97	2.02	mg/Kg	1	2.00	98	101	70.2 - 114
4-Bromofluorobenzene (4-BFB)	2.18	2.23	mg/Kg	1	2.00	109	112	69.8 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 73175 | Date Analyzed: 2010-09-01 | Analyzed By: AG
Prep Batch: 62762 | QC Preparation: 2010-09-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	16.7	mg/Kg	1	20.0	<1.65	84	69.9 - 95.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	17.6	mg/Kg	1	20.0	<1.65	88	69.9 - 95.4	5	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.05	2.04	mg/Kg	1	2.00	102	102	61.9 - 142
4-Bromofluorobenzene (4-BFB)	1.86	1.81	mg/Kg	1	2.00	93	90	68.2 - 132

Laboratory Control Spike (LCS-1)

QC Batch: 73210 | Date Analyzed: 2010-09-02 | Analyzed By: kg
Prep Batch: 62781 | QC Preparation: 2010-09-02 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	224	mg/Kg	1	250	<14.5	90	57.4 - 133.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	220	mg/Kg	1	250	<14.5	88	57.4 - 133.4	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	107	105	mg/Kg	1	100	107	105	70 - 130

Matrix Spike (MS-1) Spiked Sample: 243259

QC Batch: 73174 | Date Analyzed: 2010-09-01 | Analyzed By: AG
Prep Batch: 62762 | QC Preparation: 2010-09-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.95	mg/Kg	1	2.00	<0.0150	98	80.5 - 112
Toluene	2.01	mg/Kg	1	2.00	<0.00950	100	82.4 - 113
Ethylbenzene	2.17	mg/Kg	1	2.00	<0.0106	108	83.9 - 114
Xylene	6.38	mg/Kg	1	6.00	<0.00930	106	84 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.92	mg/Kg	1	2.00	<0.0150	96	80.5 - 112	2	20
Toluene	2.00	mg/Kg	1	2.00	<0.00950	100	82.4 - 113	0	20
Ethylbenzene	2.18	mg/Kg	1	2.00	<0.0106	109	83.9 - 114	0	20
Xylene	6.42	mg/Kg	1	6.00	<0.00930	107	84 - 114	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)	2.10	2.11	mg/Kg	1	2	105	106	41.3 - 117
4-Bromofluorobenzene (4-BFB)	2.31	2.28	mg/Kg	1	2	116	114	35.5 - 129

Matrix Spike (MS-1) Spiked Sample: 243065

QC Batch: 73175 | Date Analyzed: 2010-09-01 | Analyzed By: AG
Prep Batch: 62762 | QC Preparation: 2010-09-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	18.9	mg/Kg	1	20.0	<1.65	94	61.8 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	20.2	mg/Kg	1	20.0	<1.65	101	61.8 - 114	7	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.10	2.19	mg/Kg	1	2	105	110	50 - 162
4-Bromofluorobenzene (4-BFB)	2.46	2.48	mg/Kg	1	2	123	124	50 - 162

Matrix Spike (MS-1) Spiked Sample: 243260

QC Batch: 73210 | Date Analyzed: 2010-09-02 | Analyzed By: kg
Prep Batch: 62781 | QC Preparation: 2010-09-02 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	187	mg/Kg	1	250	<14.5	75	35.2 - 167.1

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	197	mg/Kg	1	250	<14.5	79	35.2 - 167.1	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-Tricosane	89.1	86.6	mg/Kg	1	100	89	87	70 - 130

Standard (CCV-1)

QC Batch: 73174 | Date Analyzed: 2010-09-01 | 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	0.104	104	80 - 120	2010-09-01
Toluene		mg/Kg	0.100	0.102	102	80 - 120	2010-09-01
Ethylbenzene		mg/Kg	0.100	0.0992	99	80 - 120	2010-09-01
Xylene		mg/Kg	0.300	0.303	101	80 - 120	2010-09-01

Standard (CCV-2)

QC Batch: 73174 | Date Analyzed: 2010-09-01 | 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	0.103	103	80 - 120	2010-09-01
Toluene		mg/Kg	0.100	0.100	100	80 - 120	2010-09-01
Ethylbenzene		mg/Kg	0.100	0.0984	98	80 - 120	2010-09-01
Xylene		mg/Kg	0.300	0.291	97	80 - 120	2010-09-01

Standard (CCV-1)

QC Batch: 73175 | Date Analyzed: 2010-09-01 | 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	1.11	111	80 - 120	2010-09-01

Standard (CCV-2)

QC Batch: 73175 Date Analyzed: 2010-09-01 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	0.882	88	80 - 120	2010-09-01

Standard (CCV-1)

QC Batch: 73210 Date Analyzed: 2010-09-02 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	218	87	80 - 120	2010-09-02

Standard (CCV-2)

QC Batch: 73210 Date Analyzed: 2010-09-02 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	220	88	80 - 120	2010-09-02

LAB Order ID # 10090128

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: NOVA
Phone #:
Address: (Street, City, Zip)
Fax #:
Contact Person: Ron Rounsaville
E-mail:
Invoice to: (If different from above) NOVA
Project #: BL-1214
Project Name: Sunoco Denton/Lavington Station
Project Location (including state): Lea Co, NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
243259	South Sidewall-2	1	40z		X							X		8/31/10	1320
260	WEST Sidewall-2	1	"		X							X		"	1340

LAB # (LAB USE ONLY)	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time If different from standard	Hold
243259		X		X																					
260		X		X																					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
		09/01/10	1125		TRACE	9/1/10	11:25	INST OBS 4.0 °C COR 4.0 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C

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

REMARKS: All tests Midland

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

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

Carrier #

ORIGINAL COPY

APPENDIX B
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

RECEIVED
OCT 22 2010
HOBBSOCD

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 Sunoco, Inc.	Contact JEFF GREEN
Address 401 Cypress Avenue, Abilene, Texas 79601	Telephone No. 325-671-8050
Facility Name Sunoco Denton/Lovington Station	Facility Type TANK BATTERY

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	9	16 S	37 E					Lea

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Unknown	Volume of Release	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes X No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

In 2006, The Denton/Lovington station equipment was dismantled and removed. The soils underneath the tanks, including the berm walls, were excavated and blended with clean soil and placed back within the excavation.

Describe Area Affected and Cleanup Action Taken.*

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: Jeff Green

Printed Name: Jeff Green

Title: South Region Manager

E-mail Address: jdgreen@sunocologistics.com

Date: 09/20/2010 Phone: 325-671-8050

OIL CONSERVATION DIVISION

Approved by ~~District Supervisor~~ ENV ENGINEER: Bobby Johnson

Approval Date: 09/29/10 Expiration Date: — 10/29/10

Conditions of Approval: SUBMIT FINAL C-141 BY 11/29/10. DELINEATE TO CLEAN +1.

Attached ☐ IRP-10-9-2618

* Attach Additional Sheets If Necessary