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

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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 X Final Report

Name of Company: Momentum Energy Corporation	Contact: Dick Schmidt, c/o Viejo Energy Holdings, LLC
Address: 5410 Bee Caves Road, Austin, TX 78746	Telephone No.: 512-329-8700
Facility Name: State MTS No. 2	Facility Type: Oil & Gas

Surface Owner: New Mexico	Mineral Owner: State of New Mexico	Lease No.: N/A

LOCATION OF RELEASE

API No.: 30-025-28141

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	10	19S	35E	1980	FNL	510	FWL	Lea

Latitude N/A Longitude N/A NMRP NO.: IRP-09-10-2289

NATURE OF RELEASE

Type of Release: Hydrocarbon & Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Valves and lines on separator. Valves, lines and man-way entrance on oil tank. Also, discharges over time due to unknown causes that distributed contaminated liquids around facility unit area.	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 25 June 2009 0800 Hrs.
Was Immediate Notice Given? X Yes No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Cheryl Winkler	Date and Hour: 5 August 2009	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

New owner of company discovered reportable contamination in the area upon field inspection for property assumption. Hydrocarbon and produced water contaminated soils located in the area of location facilities were identified for removal to disposal at Lea Land Disposal. Samples were taken to verify reportable contaminant levels and delineation targets pursuant to NMOCD requirements for excavation purposes.

Describe Area Affected and Cleanup Action Taken.*

Affected areas included the pad around the oil tank, water tank and separator. Spills were delineated after shut in procedures were executed and the removal of each unit from its operating position. Contaminated soils were excavated to NMOCD standards of 250 mg/K or as directed by the Agency (See attached analytical results.) and, then backfilled with clean soil pursuant to NMOCD approval. Depth to groundwater in the area ranges from 15 to 25 feet, preventing the implementation of a risk-based closure option. Currently, the facility tanks have been restored as appropriate and returned to their operational positions. Refer to CAP/FRR report for further information.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Dick Schmidt	Approved by ~~District Supervisor~~: ENV ENGINEER Jeffrey Labine
Title: President, Momentum Energy Corporation	Approval Date: 10/01/09 Expiration Date: —
E-mail Address: dickschmidt@sbcglobal.net	Conditions of Approval: Attached ☐ IRP-09-10-2289
Date: 28 September 2009 Phone: 512-329-8700	

* Attach Additional Sheets If Necessary

fGRL0927456683

Momentum Energy Corporation

200 N. Loraine, Suite 610
Midland, TX 79701
Phone: (432) 682-0595

Mr. Larry Johnson

Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

September 28, 2009

RE: State MTS No. 2 Corrective Action Plan/Final Remediation Report (API No: 30-025-28141) U/L E S10 T19S, 198' FNL and 510' FWL NMOCD Spill Report No: _____

Dear Mr. Johnson:

Momentum Energy Corporation (Momentum) herewith submits the following information regarding hydrocarbon and produced water contamination discovered on 25 June 2009 on the State MTS No. 2 drilling pad, during a field inspection associated with a property transaction. Momentum determined this was reportable because the discharged volume exceeded the New Mexico Oil Conservation Division (NMOCD) standards.

The moist to wet contaminated soils were identified around the oil tank, water tank, and separator, and then sampled within 6" to 8" of the surface for contaminant background levels to ascertain definitive contaminant soil concentrations of sodium chloride, TPH (DRO/GRO), and BTEX, as required by the NMOCD. Analytical results provided by Trace Analysis, Inc. showed soil contaminant levels which exceeded standards in all categories analyzed, such as: (1) soil chlorides up to 78,000 mg/Kg, (2) DRO up to 48,000 mg/Kg, (3) GRO up to 58.8 mg/Kg and the BTEX components of (4) benzene up to 8.95 mg/Kg, (5) toluene up to 13.2 mg/Kg, (6) ethyl benzene up to 2.27 mg/Kg and xylene up 5.80 mg/Kg. (Detailed sample analyticals are attached for your files.)

Discharged volumes of said contaminants also exceeded NMOCD's immediate reporting requirements for discharges greater than 25 barrels and mandatory reporting for discharges greater than 5 barrels. NMOCD's requirements were triggered for (1) immediate verbal reporting, (2) filing an Initial C-141 and (3) filing a Corrective Action Plan for NMOCD review and approval to formally execute the excavation and removal process of these materials to a disposal facility. When NMOCD was consulted regarding the aforementioned documents, none were on file nor were they found imaged on the New Mexico Oil

Conservation Division's Web Site. Thus, the new owners of Momentum immediately began remediation in order to become compliant with the NMOCD standards and regulations.

Compliance was further complicated because of the shallow depth to groundwater in the area which ranges from 15 to 25 feet. This prevented the implementation of a risk-based closure option and exacerbated the probability of groundwater contamination due to the passage of time and frequency of previous release events. Therefore, a more extensive investigation to ascertain more accurately the probable discharge volumes for reporting requirements became necessary. Upon further delineation as to the depth of the contamination, it is estimated that the historical discharges exceeded an estimated 7,266 barrels over time. Unfortunately, it was not possible to accurately separate the targeted discharge that triggered this remediation from older spills since the subsurface had been saturated by the recent spill and was moist to wet depending on depth. However no groundwater contamination was found, principally because there was no groundwater evident within the excavated zones. The excavated depths were as follows: (1) oil tank area to 10.5', (2) water tank to 2.5' and the (3) separator area to 8'. At depth, the soil was dry.

Due to the situation, Momentum began infield operations before all of the paperwork could be filed but the NMOCD was intimately involved, allowing excavation to begin as soon as shut-in procedures were affected and equipment was relocated to the north side of the pad for temporary storage and restoration, when necessary. Contaminated soils were excavated to NMOCD standards for soil chlorides of equal to or less than 250 mg/K or as approved by the Agency. TPH and BTEX levels were taken to non-detect or as approved by the Agency. A total of 741 tons of contaminated soil was hauled to Lea Land Disposal and the excavated areas were backfilled with clean soil pursuant to NMOCD approval. Currently, facility tanks have been restored and returned to their operational positions.

Should you have questions, please phone (512-329-8700).

Sincerely,

Momentum Energy Corporation
Dick Schmidt
President
Enclosures: Laboratory analytical

Summary Report

Dick Schmidt
Viejo Holding Company
5410 Bee Caves Road
Austin, Tx 78746

Report Date: July 31, 2009

Work Order: 9072907

Project Location: MTS #2 Well Site
Project Name: MTS #2 Well Site Phase I Eval.
Project Number: MTS #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
203934	Tank N Side	soil	2009-07-27	15:00	2009-07-29
203935	Tank S Side	soil	2009-07-27	14:45	2009-07-29
203936	Loadline Side	soil	2009-07-27	15:20	2009-07-29
203937	Seperator N Side	soil	2009-07-27	15:40	2009-07-29
203938	Seperator S Side	soil	2009-07-27	16:00	2009-07-29

	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
203934 - Tank N Side	<0.100	**0.105**	<0.100	**0.673**		**25800**	**251**
203935 - Tank S Side	**8.95**	**13.2**	**2.27**	**5.80**		**48200**	**230**
203936 - Loadline Side	**0.348**	**1.15**	<0.100	**0.964**		**29400**	**55.5**
203937 - Seperator N Side	<0.100	<0.100	<0.100	<0.100		**16200**	**37.8**
203938 - Seperator S Side	<0.100	<0.100	<0.100	<0.100		**20300**	**58.8**

Sample: 203934 - Tank N Side

Param	Flag	Result	Units	RL
Chloride		**4260**	mg/Kg	3.25

Sample: 203935 - Tank S Side

Param	Flag	Result	Units	RL
Chloride		**4400**	mg/Kg	3.25

Sample: 203936 - Loadline Side

Param	Flag	Result	Units	RL
Chloride		**2220**	mg/Kg	3.25

Sample: 203937 - Seperator N Side

Param	Flag	Result	Units	RL
Chloride		**58300**	mg/Kg	10.0

Sample: 203938 - Seperator S Side

Param	Flag	Result	Units	RL
Chloride		**78000**	mg/Kg	10.0

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
3015 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

Dick Schmidt
Viejo Holding Company
5410 Bee Caves Road
Austin, Tx, 78746

Report Date: July 31, 2009

Work Order: 9072907

Project Location: MTS #2 Well Site
Project Name: MTS #2 Well Site Phase I Eval.
Project Number: MTS #2

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
203934	Tank N Side	soil	2009-07-27	15:00	2009-07-29
203935	Tank S Side	soil	2009-07-27	14:45	2009-07-29
203936	Loadline Side	soil	2009-07-27	15:20	2009-07-29
203937	Seperator N Side	soil	2009-07-27	15:40	2009-07-29
203938	Seperator S Side	soil	2009-07-27	16:00	2009-07-29

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.

TraceAnalysis, Inc.

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 MTS #2 Well Site Phase I Eval. were received by TraceAnalysis, Inc. on 2009-07-29 and assigned to work order 9072907. Samples for work order 9072907 were received intact at a temperature of 25.8 deg. C (no ice).

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	52849	2009-07-29 at 15:46	61952	2009-07-29 at 15:46
BTEX	S 8021B	52901	2009-07-30 at 15:53	62016	2009-07-30 at 15:53
Chloride (IC)	E 300.0	52927	2009-07-30 at 14:13	62046	2009-07-31 at 01:53
Chloride (Titration)	SM 4500-Cl B	52852	2009-07-29 at 16:00	61956	2009-07-29 at 16:22
TPH DRO	Mod. 8015B	52856	2009-07-29 at 15:00	61960	2009-07-29 at 19:00
TPH GRO	S 8015B	52849	2009-07-29 at 15:46	61953	2009-07-29 at 15:46
TPH GRO	S 8015B	52901	2009-07-30 at 15:53	62017	2009-07-30 at 15:53

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 9072907 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: 203934 - Tank N Side

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	61952	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	[1]	<0.100	mg/Kg	5	0.0200
Toluene		**0.105**	mg/Kg	5	0.0200
Ethylbenzene		<0.100	mg/Kg	5	0.0200
Xylene		**0.673**	mg/Kg	5	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.66	mg/Kg	5	2.00	83	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[2]	2.68	mg/Kg	5	2.00	134	72.8 - 115

Sample: 203934 - Tank N Side

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	61956	Date Analyzed:	2009-07-29	Analyzed By:	KV
Prep Batch:	52852	Sample Preparation:	2009-07-29	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4260**	mg/Kg	100	3.25

Sample: 203934 - Tank N Side

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	61960	Date Analyzed:	2009-07-29	Analyzed By:	
Prep Batch:	52856	Sample Preparation:	2009-07-29	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**25800**	mg/Kg	10	50.0

[1]Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.
[2]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	1180	mg/Kg	10	100	1180	46.6 - 172

Sample: 203934 - Tank N Side

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	61953	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**251**	mg/Kg	5	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.75	mg/Kg	5	2.00	88	86.9 - 113
4-Bromofluorobenzene (4-BFB)	[4]	7.11	mg/Kg	5	2.00	356	56.2 - 130

Sample: 203935 - Tank S Side

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	61952	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**8.95**	mg/Kg	10	0.0200
Toluene		**13.2**	mg/Kg	10	0.0200
Ethylbenzene		**2.27**	mg/Kg	10	0.0200
Xylene		**5.80**	mg/Kg	10	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.60	mg/Kg	10	2.00	80	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[5]	2.47	mg/Kg	10	2.00	124	72.8 - 115

Sample: 203935 - Tank S Side

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	61956	Date Analyzed:	2009-07-29	Analyzed By:	KV
Prep Batch:	52852	Sample Preparation:	2009-07-29	Prepared By:	KV

[3]High surrogate recovery due to peak interference.
[4]High surrogate recovery due to peak interference.
[5]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4400**	mg/Kg	100	3.25

Sample: 203935 - Tank S Side

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	61960	Date Analyzed:	2009-07-29	Analyzed By:	
Prep Batch:	52856	Sample Preparation:	2009-07-29	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**48200**	mg/Kg	40	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[6]	2980	mg/Kg	40	100	2980	46.6 - 172

Sample: 203935 - Tank S Side

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	61953	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**230**	mg/Kg	10	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[7]	1.04	mg/Kg	10	2.00	52	86.9 - 113
4-Bromofluorobenzene (4-BFB)	[8]	3.36	mg/Kg	10	2.00	168	56.2 - 130

Sample: 203936 - Loadline Side

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	61952	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

[6]High surrogate recovery due to peak interference.
[7]Surrogate recovery out due to dilution caused by hydrocarbons in the sample.
[8]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.348**	mg/Kg	5	0.0200
Toluene		**1.15**	mg/Kg	5	0.0200
Ethylbenzene		<0.100	mg/Kg	5	0.0200
Xylene		**0.964**	mg/Kg	5	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.74	mg/Kg	5	2.00	87	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[9]	2.34	mg/Kg	5	2.00	117	72.8 - 115

Sample: 203936 - Loadline Side

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	61956	Date Analyzed:	2009-07-29	Analyzed By:	KV
Prep Batch:	52852	Sample Preparation:	2009-07-29	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2220**	mg/Kg	100	3.25

Sample: 203936 - Loadline Side

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	61960	Date Analyzed:	2009-07-29	Analyzed By:	
Prep Batch:	52856	Sample Preparation:	2009-07-29	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**29400**	mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[10]	2630	mg/Kg	20	100	2630	46.6 - 172

Sample: 203936 - Loadline Side

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	61953	Date Analyzed:	2009-07-29	Analyzed By:	ER
Prep Batch:	52849	Sample Preparation:	2009-07-29	Prepared By:	ER

[9]High surrogate recovery due to peak interference.
[10]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**55.5**	mg/Kg	5	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[11]	1.49	mg/Kg	5	2.00	74	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.22	mg/Kg	5	2.00	111	56.2 - 130

Sample: 203937 - Seperator N Side

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62016	Date Analyzed:	2009-07-30	Analyzed By:	ER
Prep Batch:	52901	Sample Preparation:	2009-07-30	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	[12]	<0.100	mg/Kg	5	0.0200
Toluene		<0.100	mg/Kg	5	0.0200
Ethylbenzene		<0.100	mg/Kg	5	0.0200
Xylene		<0.100	mg/Kg	5	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.78	mg/Kg	5	2.00	89	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.79	mg/Kg	5	2.00	90	72.8 - 115

Sample: 203937 - Seperator N Side

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	62046	Date Analyzed:	2009-07-31	Analyzed By:	SS
Prep Batch:	52927	Sample Preparation:	2009-07-30	Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**58300**	mg/Kg	500	10.0

Sample: 203937 - Seperator N Side

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	61960	Date Analyzed:	2009-07-29	Analyzed By:	
Prep Batch:	52856	Sample Preparation:	2009-07-29	Prepared By:	

[11] Surrogate recovery out due to dilution caused by hydrocarbons in the sample.
[12] Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**16200**		mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[13]	1570	mg/Kg	20	100	1570	46.6 - 172

Sample: 203937 - Seperator N Side

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62017	Date Analyzed:	2009-07-30	Analyzed By:	ER
Prep Batch:	52901	Sample Preparation:	2009-07-30	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**37.8**		mg/Kg	5	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.91	mg/Kg	5	2.00	96	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.05	mg/Kg	5	2.00	102	56.2 - 130

Sample: 203938 - Seperator S Side

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62016	Date Analyzed:	2009-07-30	Analyzed By:	ER
Prep Batch:	52901	Sample Preparation:	2009-07-30	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene	[14]	<0.100		mg/Kg	5	0.0200
Toluene		<0.100		mg/Kg	5	0.0200
Ethylbenzene		<0.100		mg/Kg	5	0.0200
Xylene		<0.100		mg/Kg	5	0.0200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[15]	1.42	mg/Kg	5	2.00	71	71.8 - 112

continued ...

[13]High surrogate recovery due to peak interference.
[14]Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.
[15]Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	5	2.00	83	72.8 - 115

Sample: 203938 - Seperator S Side

Laboratory:	Lubbock				
Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	62046	Date Analyzed:	2009-07-31	Analyzed By:	SS
Prep Batch:	52927	Sample Preparation:	2009-07-30	Prepared By:	SS

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**78000**		mg/Kg	500	10.0

Sample: 203938 - Seperator S Side

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	61960	Date Analyzed:	2009-07-29	Analyzed By:	
Prep Batch:	52856	Sample Preparation:	2009-07-29	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**20300**		mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[16]	1780	mg/Kg	20	100	1780	46.6 - 172

Sample: 203938 - Seperator S Side

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62017	Date Analyzed:	2009-07-30	Analyzed By:	ER
Prep Batch:	52901	Sample Preparation:	2009-07-30	Prepared By:	ER

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**58.8**		mg/Kg	5	2.00

[16] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[17]	1.56	mg/Kg	5	2.00	78	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.39	mg/Kg	5	2.00	70	56.2 - 130

Method Blank (1) QC Batch: 61952

QC Batch: 61952 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00505	mg/Kg	0.02
Toluene		<0.00611	mg/Kg	0.02
Ethylbenzene		<0.00630	mg/Kg	0.02
Xylene		<0.00673	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.86	mg/Kg	1	2.00	93	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	72.8 - 115

Method Blank (1) QC Batch: 61953

QC Batch: 61953 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
GRO		<0.403	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.99	mg/Kg	1	2.00	100	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	56.2 - 130

Method Blank (1) QC Batch: 61956

QC Batch: 61956 | Date Analyzed: 2009-07-29 | Analyzed By: KV
Prep Batch: 52852 | QC Preparation: 2009-07-29 | Prepared By: KV

[17] Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Method Blank (1) QC Batch: 61960

QC Batch: 61960 Date Analyzed: 2009-07-29 Analyzed By:
Prep Batch: 52856 QC Preparation: 2009-07-29 Prepared By:

Parameter	Flag	MDL Result	Units	RL
DRO		<5.66	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		83.0	mg/Kg	1	100	83	46.6 - 172

Method Blank (1) QC Batch: 62016

QC Batch: 62016 Date Analyzed: 2009-07-30 Analyzed By: ER
Prep Batch: 52901 QC Preparation: 2009-07-30 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00505	mg/Kg	0.02
Toluene		<0.00611	mg/Kg	0.02
Ethylbenzene		<0.00630	mg/Kg	0.02
Xylene		<0.00673	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.88	mg/Kg	1	2.00	94	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.78	mg/Kg	1	2.00	89	72.8 - 115

Method Blank (1) QC Batch: 62017

QC Batch: 62017 Date Analyzed: 2009-07-30 Analyzed By: ER
Prep Batch: 52901 QC Preparation: 2009-07-30 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
GRO		<0.403	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.64	mg/Kg	1	2.00	82	56.2 - 130

Method Blank (1) QC Batch: 62046

QC Batch: 62046 | Date Analyzed: 2009-07-31 | Analyzed By: SS
Prep Batch: 52927 | QC Preparation: 2009-07-30 | Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.74	mg/Kg	10

Laboratory Control Spike (LCS-1)

QC Batch: 61952 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.95	mg/Kg	1	2.00	<0.00505	98	78.9 - 113
Toluene	1.92	mg/Kg	1	2.00	<0.00611	96	78.3 - 116
Ethylbenzene	1.87	mg/Kg	1	2.00	<0.00630	94	79.1 - 117
Xylene	5.79	mg/Kg	1	6.00	<0.00673	96	79.6 - 116

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	1.92	mg/Kg	1	2.00	<0.00505	96	78.9 - 113	2	20
Toluene	1.90	mg/Kg	1	2.00	<0.00611	95	78.3 - 116	1	20
Ethylbenzene	1.85	mg/Kg	1	2.00	<0.00630	92	79.1 - 117	1	20
Xylene	5.72	mg/Kg	1	6.00	<0.00673	95	79.6 - 116	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.89	1.83	mg/Kg	1	2.00	94	92	70.8 - 111
4-Bromofluorobenzene (4-BFB)	1.87	1.85	mg/Kg	1	2.00	94	92	68.3 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 61953 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	18.7	mg/Kg	1	20.0	<0.403	94	72.6 - 121

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	19.2	mg/Kg	1	20.0	<0.403	96	72.6 - 121	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.01	1.90	mg/Kg	1	2.00	100	95	75.2 - 112
4-Bromofluorobenzene (4-BFB)	1.80	1.78	mg/Kg	1	2.00	90	89	54.9 - 133

Laboratory Control Spike (LCS-1)

QC Batch: 61960 | Date Analyzed: 2009-07-29 | Analyzed By:
Prep Batch: 52856 | QC Preparation: 2009-07-29 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	260	mg/Kg	1	250	<5.66	104	71.2 - 159

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	257	mg/Kg	1	250	<5.66	103	71.2 - 159	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	95.5	96.1	mg/Kg	1	100	96	96	46.6 - 172

Laboratory Control Spike (LCS-1)

QC Batch: 62016 | Date Analyzed: 2009-07-30 | Analyzed By: ER
Prep Batch: 52901 | QC Preparation: 2009-07-30 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.83	mg/Kg	1	2.00	<0.00505	92	78.9 - 113

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	1.87	mg/Kg	1	2.00	<0.00611	94	78.3 - 116
Ethylbenzene	1.83	mg/Kg	1	2.00	<0.00630	92	79.1 - 117
Xylene	5.63	mg/Kg	1	6.00	<0.00673	94	79.6 - 116

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	1.95	mg/Kg	1	2.00	<0.00505	98	78.9 - 113	6	20
Toluene	1.92	mg/Kg	1	2.00	<0.00611	96	78.3 - 116	3	20
Ethylbenzene	1.86	mg/Kg	1	2.00	<0.00630	93	79.1 - 117	2	20
Xylene	5.76	mg/Kg	1	6.00	<0.00673	96	79.6 - 116	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)	1.85	1.96	mg/Kg	1	2.00	92	98	70.8 - 111
4-Bromofluorobenzene (4-BFB)	1.80	1.88	mg/Kg	1	2.00	90	94	68.3 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 62017 | Date Analyzed: 2009-07-30 | Analyzed By: ER
Prep Batch: 52901 | QC Preparation: 2009-07-30 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	19.7	mg/Kg	1	20.0	<0.403	98	72.6 - 121

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	19.5	mg/Kg	1	20.0	<0.403	98	72.6 - 121	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)	2.08	1.87	mg/Kg	1	2.00	104	94	75.2 - 112
4-Bromofluorobenzene (4-BFB)	1.72	1.66	mg/Kg	1	2.00	86	83	54.9 - 133

Laboratory Control Spike (LCS-1)

QC Batch: 62046 | Date Analyzed: 2009-07-31 | Analyzed By: SS
Prep Batch: 52927 | QC Preparation: 2009-07-30 | Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	233	mg/Kg	1	250	<1.74	93	90 - 110

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	235	mg/Kg	1	250	<1.74	94	90 - 110	1	20

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

Matrix Spike (MS-1) Spiked Sample: 203958

QC Batch: 61952 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.65	mg/Kg	1	2.00	<0.00505	82	61.5 - 134
Toluene	1.77	mg/Kg	1	2.00	<0.00611	88	64.2 - 143
Ethylbenzene	1.85	mg/Kg	1	2.00	<0.00630	92	67.7 - 152
Xylene	5.68	mg/Kg	1	6.00	<0.00673	95	67.8 - 152

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	1.73	mg/Kg	1	2.00	<0.00505	86	61.5 - 134	5	20
Toluene	1.83	mg/Kg	1	2.00	<0.00611	92	64.2 - 143	3	20
Ethylbenzene	1.95	mg/Kg	1	2.00	<0.00630	98	67.7 - 152	5	20
Xylene	5.90	mg/Kg	1	6.00	<0.00673	98	67.8 - 152	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.85	1.92	mg/Kg	1	2	92	96	65.3 - 134
4-Bromofluorobenzene (4-BFB)	1.98	2.01	mg/Kg	1	2	99	100	61.9 - 143

Matrix Spike (MS-1) Spiked Sample: 203937

QC Batch: 61953 | Date Analyzed: 2009-07-29 | Analyzed By: ER
Prep Batch: 52849 | QC Preparation: 2009-07-29 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	20.6	mg/Kg	20	20.0	12.4326	41	34.1 - 160

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 [18]	18.9	mg/Kg	20	20.0	12.4326	32	34.1 - 160	9	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.85	1.96	mg/Kg	20	2	92	98	56.9 - 137
4-Bromofluorobenzene (4-BFB)	1.60	1.52	mg/Kg	20	2	80	76	42.1 - 171

Matrix Spike (MS-1) Spiked Sample: 203934

QC Batch: 61956 | Date Analyzed: 2009-07-29 | Analyzed By: KV
Prep Batch: 52852 | QC Preparation: 2009-07-29 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [19]	8900	mg/Kg	100	500	4260	928	80 - 120

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 [20]	<180	mg/Kg	100	500	4260	0	80 - 120	200	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: 203937

QC Batch: 61960 | Date Analyzed: 2009-07-29 | Analyzed By:
Prep Batch: 52856 | QC Preparation: 2009-07-29 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [21]	18100	mg/Kg	20	250	16200	760	10 - 218

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 [22]	16800	mg/Kg	20	250	16200	240	10 - 218	7	20

[18]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[19]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[20]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[21]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[22]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

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 [23] [24]	1650	1540	mg/Kg	20	100	1650	1540	46.6 - 172

Matrix Spike (MS-1) Spiked Sample: 204184

QC Batch: 62016 | Date Analyzed: 2009-07-30 | Analyzed By: ER
Prep Batch: 52901 | QC Preparation: 2009-07-30 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.06	mg/Kg	1	2.00	<0.00505	103	61.5 - 134
Toluene	2.15	mg/Kg	1	2.00	<0.00611	108	64.2 - 143
Ethylbenzene	2.22	mg/Kg	1	2.00	<0.00630	111	67.7 - 152
Xylene	6.86	mg/Kg	1	6.00	<0.00673	114	67.8 - 152

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	2.06	mg/Kg	1	2.00	<0.00505	103	61.5 - 134	0	20
Toluene	2.15	mg/Kg	1	2.00	<0.00611	108	64.2 - 143	0	20
Ethylbenzene	2.30	mg/Kg	1	2.00	<0.00630	115	67.7 - 152	4	20
Xylene	6.95	mg/Kg	1	6.00	<0.00673	116	67.8 - 152	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)	2.17	2.30	mg/Kg	1	2	108	115	65.3 - 134
4-Bromofluorobenzene (4-BFB)	2.28	2.38	mg/Kg	1	2	114	119	61.9 - 143

Matrix Spike (MS-1) Spiked Sample: 203937

QC Batch: 62017 | Date Analyzed: 2009-07-30 | Analyzed By: ER
Prep Batch: 52901 | QC Preparation: 2009-07-30 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	47.0	mg/Kg	5	20.0	37.8	46	34.1 - 160

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

[23] High surrogate recovery due to peak interference.
[24] High surrogate recovery due to peak interference.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	[25]	34.9	mg/Kg	5	20.0	37.8	-14	34.1 - 160	30	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)	1.63	1.67	mg/Kg	5	2	82	84	56.9 - 137
4-Bromofluorobenzene (4-BFB)	2.14	1.98	mg/Kg	5	2	107	99	42.1 - 171

Matrix Spike (MS-1) Spiked Sample: 204122

QC Batch: 62046 | Date Analyzed: 2009-07-31 | Analyzed By: SS
Prep Batch: 52927 | QC Preparation: 2009-07-30 | Prepared By: SS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[26]	364	mg/Kg	1	250	<1.74	146	90 - 110

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	[27]	368	mg/Kg	1	250	<1.74	147	90 - 110	1	20

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

Standard (CCV-1)

QC Batch: 61952 | Date Analyzed: 2009-07-29 | Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0962	96	80 - 120	2009-07-29
Toluene		mg/Kg	0.100	0.0946	95	80 - 120	2009-07-29
Ethylbenzene		mg/Kg	0.100	0.0925	92	80 - 120	2009-07-29
Xylene		mg/Kg	0.300	0.286	95	80 - 120	2009-07-29

Standard (CCV-2)

QC Batch: 61952 | Date Analyzed: 2009-07-29 | Analyzed By: ER

[25] Matrix spike recovery and RPD outside control limits. Use LCS/LCSD to demonstrate analysis is under control.
[26] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[27] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0934	93	80 - 120	2009-07-29
Toluene		mg/Kg	0.100	0.0911	91	80 - 120	2009-07-29
Ethylbenzene		mg/Kg	0.100	0.0881	88	80 - 120	2009-07-29
Xylene		mg/Kg	0.300	0.273	91	80 - 120	2009-07-29

Standard (CCV-1)

QC Batch: 61953 Date Analyzed: 2009-07-29 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.942	94	80 - 120	2009-07-29

Standard (CCV-2)

QC Batch: 61953 Date Analyzed: 2009-07-29 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.869	87	80 - 120	2009-07-29

Standard (ICV-1)

QC Batch: 61956 Date Analyzed: 2009-07-29 Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2009-07-29

Standard (CCV-1)

QC Batch: 61956 Date Analyzed: 2009-07-29 Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2009-07-29

Standard (CCV-1)

QC Batch: 61960 Date Analyzed: 2009-07-29 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	245	98	80 - 120	2009-07-29

Standard (CCV-2)

QC Batch: 61960 Date Analyzed: 2009-07-29 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	231	92	80 - 120	2009-07-29

Standard (CCV-2)

QC Batch: 62016 Date Analyzed: 2009-07-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0919	92	80 - 120	2009-07-30
Toluene		mg/Kg	0.100	0.0895	90	80 - 120	2009-07-30
Ethylbenzene		mg/Kg	0.100	0.0863	86	80 - 120	2009-07-30
Xylene		mg/Kg	0.300	0.267	89	80 - 120	2009-07-30

Standard (CCV-3)

QC Batch: 62016 Date Analyzed: 2009-07-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0940	94	80 - 120	2009-07-30
Toluene		mg/Kg	0.100	0.0912	91	80 - 120	2009-07-30
Ethylbenzene		mg/Kg	0.100	0.0880	88	80 - 120	2009-07-30
Xylene		mg/Kg	0.300	0.270	90	80 - 120	2009-07-30

Standard (CCV-2)

QC Batch: 62017 Date Analyzed: 2009-07-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.911	91	80 - 120	2009-07-30

Standard (CCV-3)

QC Batch: 62017 Date Analyzed: 2009-07-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.909	91	80 - 120	2009-07-30

Standard (CCV-1)

QC Batch: 62046 Date Analyzed: 2009-07-31 Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.5	94	90 - 110	2009-07-31

Standard (CCV-2)

QC Batch: 62046 Date Analyzed: 2009-07-31 Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	25.0	23.1	92	90 - 110	2009-07-31

LAB Order ID # 4072907

Page 1 of 1

TraceAnalysis, Inc.

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Company Name: Victo Holding Company — Phone #: 512-329-8700

Address: (Street, City, Zip) 5410 Bee Caves Road, Austin, TX 78746 — Fax #: 512.329-8748

Contact Person: Dick Schmidt — E-mail: dickschmidt@sbcglobal.net

Invoice to: (If different from above)

Project #: MTS #2 — Project Name: MTS#2 Wellsite Phase I Eval.

Project Location (including state): As below - MTS#2 Wellsite — 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
	Tank														
203934	N side	1			X							X		7/27/09	1500
935	S side	1			X							X			1445
936	Load line side	1			X							X			1520
	Seperator														
937	N side	1			X							X			1540
938	S side	1			X							X		↓	1600

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	Turn Around Time if different from standard	Hold
		BTEX, TPH (DRO, GRO), Cl2 on all samples															X	

Email results to:
dickschmidt@sbcglobal.net
TLarson@cravworld.com
Cmwink@mac.com

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Tony Funkhouser	Agent	7/27/09	1800					INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by: Carol Fox	Company: Trace	Date: 7-29-09	Time: 9:50 AM	INST P OBS 26.0 °C COR ~~26.5~~ 25.8 °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

CF 7-29

Log-in-Review

REMARKS:

ASAP

No ice

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

Carrier # LS 25462185

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

ORIGINAL COPY

Summary Report

Dick Schmidt
Viejo Holding Company
5410 Bee Caves Road
Austin, Tx 78746

Report Date: August 11, 2009

Work Order: 9081008

Project Location: State MTS #2 Wellsite, NM
Project Name: State MTS #2 Well Site
Project Number: State MTS #2 Remediation

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205254	Oil Tank Area Remediation @ 5'	soil	2009-08-07	16:00	2009-08-10
205255	Oil Tank Area Remediation @ 10.5'	soil	2009-08-07	18:10	2009-08-10
205256	Seperator Area Remediation @ 4'	soil	2009-08-07	16:20	2009-08-10
205257	Seperator Area Remediation @ 8'	soil	2009-08-07	17:30	2009-08-10
205258	Background For All	soil	2009-08-07	18:40	2009-08-10
205259	Water Tank Area Remediation @ 1'	soil	2009-08-07	16:10	2009-08-10
205260	Water Tank Area Remediation @ 2.5'	soil	2009-08-07	18:20	2009-08-10

	BTEX				MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
205254 - Oil Tank Area Remediation @ 5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205255 - Oil Tank Area Remediation @ 10.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205256 - Seperator Area Remediation @ 4'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205257 - Seperator Area Remediation @ 8'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205258 - Background For All	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205259 - Water Tank Area Remediation @ 1'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00
205260 - Water Tank Area Remediation @ 2.5'	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<2.00

Sample: 205254 - Oil Tank Area Remediation @ 5'

Param	Flag	Result	Units	RL
Chloride		**1330**	mg/Kg	3.25

Sample: 205255 - Oil Tank Area Remediation @ 10.5'

Param	Flag	Result	Units	RL
Chloride		**377**	mg/Kg	3.25

Sample: 205256 - Seperator Area Remediation @ 4'

Param	Flag	Result	Units	RL
Chloride		**2000**	mg/Kg	3.25

Sample: 205257 - Seperator Area Remediation @ 8'

Param	Flag	Result	Units	RL
Chloride		**377**	mg/Kg	3.25

Sample: 205258 - Background For All

Param	Flag	Result	Units	RL
Chloride		**396**	mg/Kg	3.25

Sample: 205259 - Water Tank Area Remediation @ 1'

Param	Flag	Result	Units	RL
Chloride		**2810**	mg/Kg	3.25

Sample: 205260 - Water Tank Area Remediation @ 2.5'

Param	Flag	Result	Units	RL
Chloride		**430**	mg/Kg	3.25

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

Dick Schmidt
Viejo Holding Company
5410 Bee Caves Road
Austin, Tx, 78746

Report Date: August 11, 2009

Work Order: 9081008

Project Location: State MTS #2 Wellsite, NM
Project Name: State MTS #2 Well Site
Project Number: State MTS #2 Remediation

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
205254	Oil Tank Area Remediation @ 5'	soil	2009-08-07	16:00	2009-08-10
205255	Oil Tank Area Remediation @ 10.5'	soil	2009-08-07	18:10	2009-08-10
205256	Seperator Area Remediation @ 4'	soil	2009-08-07	16:20	2009-08-10
205257	Seperator Area Remediation @ 8'	soil	2009-08-07	17:30	2009-08-10
205258	Background For All	soil	2009-08-07	18:40	2009-08-10
205259	Water Tank Area Remediation @ 1'	soil	2009-08-07	16:10	2009-08-10
205260	Water Tank Area Remediation @ 2.5'	soil	2009-08-07	18:20	2009-08-10

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

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 State MTS #2 Well Site were received by TraceAnalysis, Inc. on 2009-08-10 and assigned to work order 9081008. Samples for work order 9081008 were received intact at a temperature of 13.3 deg. C (on ice).

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	53150	2009-08-10 at 11:19	62301	2009-08-10 at 11:19
Chloride (Titration)	SM 4500-Cl B	53143	2009-08-10 at 12:29	62294	2009-08-10 at 12:30
TPH DRO	Mod. 8015B	53154	2009-08-10 at 15:00	62311	2009-08-10 at 16:00
TPH GRO	S 8015B	53150	2009-08-10 at 11:19	62302	2009-08-10 at 11:19

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 9081008 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: 205254 - Oil Tank Area Remediation @ 5'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

Parameter	Flag	Result	RL	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)	[1]	2.31	mg/Kg	1	2.00	116	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[2]	2.48	mg/Kg	1	2.00	124	72.8 - 115

Sample: 205254 - Oil Tank Area Remediation @ 5'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1330**		mg/Kg	10	3.25

Sample: 205254 - Oil Tank Area Remediation @ 5'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	Prepared By:	

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		94.6	mg/Kg	1	100	95	46.6 - 172

Sample: 205254 - Oil Tank Area Remediation @ 5'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[3]	2.34	mg/Kg	1	2.00	117	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.13	mg/Kg	1	2.00	106	56.2 - 130

Sample: 205255 - Oil Tank Area Remediation @ 10.5'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[4]	2.29	mg/Kg	1	2.00	114	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[5]	2.50	mg/Kg	1	2.00	125	72.8 - 115

Sample: 205255 - Oil Tank Area Remediation @ 10.5'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

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

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**377**		mg/Kg	10	3.25

Sample: 205255 - Oil Tank Area Remediation @ 10.5'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	Prepared By:	

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		93.5	mg/Kg	1	100	94	46.6 - 172

Sample: 205255 - Oil Tank Area Remediation @ 10.5'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[6]	2.34	mg/Kg	1	2.00	117	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.14	mg/Kg	1	2.00	107	56.2 - 130

Sample: 205256 - Seperator Area Remediation @ 4'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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

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)		2.24	mg/Kg	1	2.00	112	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[7]	2.41	mg/Kg	1	2.00	120	72.8 - 115

Sample: 205256 - Seperator Area Remediation @ 4'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2000**	mg/Kg	100	3.25

Sample: 205256 - Seperator Area Remediation @ 4'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	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		93.1	mg/Kg	1	100	93	46.6 - 172

Sample: 205256 - Seperator Area Remediation @ 4'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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

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)	[8]	2.27	mg/Kg	1	2.00	114	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.06	mg/Kg	1	2.00	103	56.2 - 130

Sample: 205257 - Seperator Area Remediation @ 8'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[9]	2.36	mg/Kg	1	2.00	118	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[10]	2.52	mg/Kg	1	2.00	126	72.8 - 115

Sample: 205257 - Seperator Area Remediation @ 8'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**377**	mg/Kg	10	3.25

Sample: 205257 - Seperator Area Remediation @ 8'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	Prepared By:	

[8]High surrogate recovery. Sample non-detect, result bias high.
[9]High surrogate recovery. Sample non-detect, result bias high.
[10]High surrogate recovery. Sample non-detect, result bias high.

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		102	mg/Kg	1	100	102	46.6 - 172

Sample: 205257 - Seperator Area Remediation @ 8'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[11]	2.43	mg/Kg	1	2.00	122	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.17	mg/Kg	1	2.00	108	56.2 - 130

Sample: 205258 - Background For All

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)		2.20	mg/Kg	1	2.00	110	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[12]	2.37	mg/Kg	1	2.00	118	72.8 - 115

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

Sample: 205258 - Background For All

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**396**		mg/Kg	10	3.25

Sample: 205258 - Background For All

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	Prepared By:	

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[13]	184	mg/Kg	1	100	184	46.6 - 172

Sample: 205258 - Background For All

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[14]	2.28	mg/Kg	1	2.00	114	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	56.2 - 130

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

Sample: 205259 - Water Tank Area Remediation @ 1'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

Parameter	Flag	Result	RL	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)		2.18	mg/Kg	1	2.00	109	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[15]	2.36	mg/Kg	1	2.00	118	72.8 - 115

Sample: 205259 - Water Tank Area Remediation @ 1'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**2810**		mg/Kg	100	3.25

Sample: 205259 - Water Tank Area Remediation @ 1'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	Prepared By:	

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		97.5	mg/Kg	1	100	98	46.6 - 172

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

Sample: 205259 - Water Tank Area Remediation @ 1'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)		2.24	mg/Kg	1	2.00	112	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	56.2 - 130

Sample: 205260 - Water Tank Area Remediation @ 2.5'

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	62301	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[16]	2.41	mg/Kg	1	2.00	120	71.8 - 112
4-Bromofluorobenzene (4-BFB)	[17]	2.53	mg/Kg	1	2.00	126	72.8 - 115

Sample: 205260 - Water Tank Area Remediation @ 2.5'

Laboratory:	Lubbock				
Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	Sample Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**430**	mg/Kg	10	3.25

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

Sample: 205260 - Water Tank Area Remediation @ 2.5'

Laboratory:	Lubbock				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62311	Date Analyzed:	2009-08-10	Analyzed By:	
Prep Batch:	53154	Sample Preparation:	2009-08-10	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		99.7	mg/Kg	1	100	100	46.6 - 172

Sample: 205260 - Water Tank Area Remediation @ 2.5'

Laboratory:	Lubbock				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	62302	Date Analyzed:	2009-08-10	Analyzed By:	MT
Prep Batch:	53150	Sample Preparation:	2009-08-10	Prepared By:	MT

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)	[18]	2.49	mg/Kg	1	2.00	124	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.16	mg/Kg	1	2.00	108	56.2 - 130

Method Blank (1) QC Batch: 62294

QC Batch:	62294	Date Analyzed:	2009-08-10	Analyzed By:	KV
Prep Batch:	53143	QC Preparation:	2009-08-10	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

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

Method Blank (1) QC Batch: 62301

QC Batch: 62301 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00331	mg/Kg	0.02
Toluene		<0.00528	mg/Kg	0.02
Ethylbenzene		<0.00448	mg/Kg	0.02
Xylene		<0.00456	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.24	mg/Kg	1	2.00	112	71.8 - 112
4-Bromofluorobenzene (4-BFB)		2.14	mg/Kg	1	2.00	107	72.8 - 115

Method Blank (1) QC Batch: 62302

QC Batch: 62302 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.403	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.23	mg/Kg	1	2.00	112	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	56.2 - 130

Method Blank (1) QC Batch: 62311

QC Batch: 62311 | Date Analyzed: 2009-08-10 | Analyzed By:
Prep Batch: 53154 | QC Preparation: 2009-08-10 | Prepared By:

Parameter	Flag	MDL Result	Units	RL
DRO		<5.66	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		87.0	mg/Kg	1	100	87	46.6 - 172

Laboratory Control Spike (LCS-1)

QC Batch: 62301 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.08	mg/Kg	1	2.00	<0.00331	104	78.9 - 113
Toluene	2.09	mg/Kg	1	2.00	<0.00528	104	78.3 - 116
Ethylbenzene	2.06	mg/Kg	1	2.00	<0.00448	103	79.1 - 117
Xylene	6.36	mg/Kg	1	6.00	<0.00456	106	79.6 - 116

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	2.04	mg/Kg	1	2.00	<0.00331	102	78.9 - 113	2	20
Toluene	2.04	mg/Kg	1	2.00	<0.00528	102	78.3 - 116	2	20
Ethylbenzene	2.08	mg/Kg	1	2.00	<0.00448	104	79.1 - 117	1	20
Xylene	6.26	mg/Kg	1	6.00	<0.00456	104	79.6 - 116	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)	2.14	2.13	mg/Kg	1	2.00	107	106	70.8 - 111
4-Bromofluorobenzene (4-BFB)	2.05	2.05	mg/Kg	1	2.00	102	102	68.3 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 62302 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	20.0	mg/Kg	1	20.0	<0.403	100	72.6 - 121

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	19.7	mg/Kg	1	20.0	<0.403	98	72.6 - 121	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)	2.03	1.98	mg/Kg	1	2.00	102	99	75.2 - 112
4-Bromofluorobenzene (4-BFB)	1.86	1.84	mg/Kg	1	2.00	93	92	54.9 - 133

Laboratory Control Spike (LCS-1)

QC Batch: 62311 | Date Analyzed: 2009-08-10 | Analyzed By:
Prep Batch: 53154 | QC Preparation: 2009-08-10 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	262	mg/Kg	1	250	<5.66	105	71.2 - 159

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	243	mg/Kg	1	250	<5.66	97	71.2 - 159	8	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	96.1	92.3	mg/Kg	1	100	96	92	46.6 - 172

Matrix Spike (MS-1) Spiked Sample: 205260

QC Batch: 62294 | Date Analyzed: 2009-08-10 | Analyzed By: KV
Prep Batch: 53143 | QC Preparation: 2009-08-10 | Prepared By: KV

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[19]	2200	mg/Kg	10	500	<18.0	440	80 - 120

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	[20]	2210	mg/Kg	10	500	<18.0	442	80 - 120	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: 205135

QC Batch: 62301 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

continued ...

[19]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[20]Matrix spike recovery out of control limits due to matrix 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
Benzene	2.35	mg/Kg	1	2.00	<0.00331	118	61.5 - 134
Toluene	2.52	mg/Kg	1	2.00	<0.00528	126	64.2 - 143
Ethylbenzene	2.76	mg/Kg	1	2.00	<0.00448	138	67.7 - 152
Xylene	8.31	mg/Kg	1	6.00	0.0188	138	67.8 - 152

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	2.10	mg/Kg	1	2.00	<0.00331	105	61.5 - 134	11	20
Toluene	2.24	mg/Kg	1	2.00	<0.00528	112	64.2 - 143	12	20
Ethylbenzene	2.43	mg/Kg	1	2.00	<0.00448	122	67.7 - 152	13	20
Xylene	7.33	mg/Kg	1	6.00	0.0188	122	67.8 - 152	12	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)	2.67	2.29	mg/Kg	1	2	134	114	65.3 - 134
4-Bromofluorobenzene (4-BFB)	2.71	2.45	mg/Kg	1	2	136	122	61.9 - 143

Matrix Spike (MS-1) Spiked Sample: 205254

QC Batch: 62302 | Date Analyzed: 2009-08-10 | Analyzed By: MT
Prep Batch: 53150 | QC Preparation: 2009-08-10 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	21.3	mg/Kg	1	20.0	<0.403	106	34.1 - 160

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	20.4	mg/Kg	1	20.0	<0.403	102	34.1 - 160	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.19	2.10	mg/Kg	1	2	110	105	56.9 - 137
4-Bromofluorobenzene (4-BFB)	2.24	2.20	mg/Kg	1	2	112	110	42.1 - 171

Matrix Spike (MS-1) Spiked Sample: 205256

QC Batch: 62311 | Date Analyzed: 2009-08-10 | Analyzed By:
Prep Batch: 53154 | QC Preparation: 2009-08-10 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	248	mg/Kg	1	250	<5.66	99	10 - 218

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	243	mg/Kg	1	250	<5.66	97	10 - 218	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	92.4	93.8	mg/Kg	1	100	92	94	46.6 - 172

Standard (ICV-1)

QC Batch: 62294 | Date Analyzed: 2009-08-10 | Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2009-08-10

Standard (CCV-1)

QC Batch: 62294 | Date Analyzed: 2009-08-10 | Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2009-08-10

Standard (CCV-1)

QC Batch: 62301 | Date Analyzed: 2009-08-10 | 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	0.0986	99	80 - 120	2009-08-10

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/Kg	0.100	0.0983	98	80 - 120	2009-08-10
Ethylbenzene		mg/Kg	0.100	0.0999	100	80 - 120	2009-08-10
Xylene		mg/Kg	0.300	0.301	100	80 - 120	2009-08-10

Standard (CCV-2)

QC Batch: 62301 Date Analyzed: 2009-08-10 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	0.102	102	80 - 120	2009-08-10
Toluene		mg/Kg	0.100	0.102	102	80 - 120	2009-08-10
Ethylbenzene		mg/Kg	0.100	0.100	100	80 - 120	2009-08-10
Xylene		mg/Kg	0.300	0.309	103	80 - 120	2009-08-10

Standard (CCV-1)

QC Batch: 62302 Date Analyzed: 2009-08-10 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.07	107	80 - 120	2009-08-10

Standard (CCV-2)

QC Batch: 62302 Date Analyzed: 2009-08-10 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.970	97	80 - 120	2009-08-10

Standard (CCV-1)

QC Batch: 62311 Date Analyzed: 2009-08-10 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	80 - 120	2009-08-10

Standard (CCV-2)

QC Batch: 62311 Date Analyzed: 2009-08-10 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	292	117	80 - 120	2009-08-10

LAB Order ID # 9081008

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Invoice to: (If different from above)
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Project Name: State NTS #2 Well Site
Project Location (including state): As below on State NTS #2 Well Site, NM
Sampler Signature: [signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE: HCl	HNO$_3$	H$_2$SO$_4$	NaOH	ICE	NONE	SAMPLING: DATE	TIME	Analysis Request	Turn Around Time	Hold
	Oil Tank Area															Soil Cl$_2$, BTEX, TPH (DRO, GRO)	X	
205254	Remediation @ 5'	1			X							X		8/7/09	1600			
255	Remediation @ 10.5'	1			X							X		8/7/09	1810	All samples are composite.		
	Seperator Area															Email results to:		
256	Remediation @ 4'	1			X							X		8/7/09	1620	dschmidt@sbcglobal.net		
257	Remediation @ 8'	1			X							X		8/7/09	1720	tlarsen@craworld.com		
258	Background for all	1			X							X		8/7/09	1840	cmwink@mac.com		
	Water Tank Area															larry.johnson@state.nm.us		
259	Remediation @ 1'	1			X							X		8/7/09	1610			
260	Remediation @ 2.5'	1			X							X		8/7/09	1820			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp
[signature]	Agent	8/8/09	2000	Carol Fox	Trace	8-10-09	11:00 AM	INST IR; OBS 12.8 °C; COR 13.3 °C
								INST; OBS °C; COR °C
								INST; OBS °C; COR °C

LAB USE ONLY
Intact (Y) / N
Headspace Y / N / (NA)
Log-in-Review [initials]

REMARKS: ASAP
Same day Cl
24 hr BTEX / TPH
Per Cheryl
8-10-09
11:00 AM

☐ 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 # GLI 305393966 9, on ice

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