



TETRA TECH

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NMOCD ARTESIA

February 20, 2012

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, NM 88210

**Re: Closure Report for the SM Energy Company
Parkway Delaware Unit #507 Flow Line Leak
Unit G, Section 35, Township 19 South, Range 29 East
Eddy County, New Mexico**

Mr. Bratcher:

Tetra Tech Inc. (Tetra Tech) was contacted by SM Energy Company to assess a flow line leak at the Parkway Delaware Unit #507, located in Unit G, Section 35, Township 19 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.61698°, W 104.04187°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on December 27, 2009. Approximately 35 barrels of produced water was released from a 1" line connecting the injection lateral line to the wellhead for injection. A total of 8 barrels of fluids were recovered. The final C-141 is enclosed in Appendix A.

Hydrology

The New Mexico State Engineers Well Report listed one well in Section 34 with an average depth of 60 feet and wells in Sections 35 and 36, with reported depths of 110 feet and 115 feet, respectively. The *Geology and Groundwater Resources of Eddy County, New Mexico (Report 3)* showed one well in Section 3 of Township 20 South and Range 29 East, with a reported depth to water of 91' bgs.

Previously, Tetra Tech personnel supervised the installation of a temporary well (TMW-1) in Section 35 to establish groundwater quality and depth in this section. During the installation, the well drilled dry. The well was drilled through fine grain sand with gypsum layers and red shale to a total depth of 140 feet, to the top of a black and gray shale formation (blue shale). The well was measured two days later and showed a depth to groundwater of approximately 122 feet. Additionally, the New Mexico Oil

Tetra Tech

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www.tetrattech.com



Conservation Division (OCD) regional groundwater gradient map for Eddy County shows the depth to groundwater in this section to be between 75 and 100 feet bgs.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the OCD Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Results

On January 25, 2010, Tetra Tech personnel inspected the site and installed a total of eighteen (18) auger holes to assess the spill area. The spill area is shown on the attached Figure 3. The auger holes were advanced to depths ranging from 1.5 to 6.5 feet below ground surface (bgs). Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix B. The results of the sampling are summarized in Table 1.

Referring to Table 1, all of the samples analyzed were below the RRAL for both BTEX and TPH. Chloride concentrations were defined or appeared to be close to definition based upon decline, in AH-4, AH-8, AH-9 and AH-16. In most cases, deeper samples could not be collected due to a hard caliche layer.

On May 26, 2010, Tetra Tech personnel were onsite to supervise the installation of nine (9) soil borings to further delineate chloride impact to subsurface soils. The soil borings were advanced to depths ranging from 25 to 40 feet bgs. Chloride concentrations declined with depth in all of the soil borings. Most of the chloride impact was confined to the first three (3) feet. The soil boring locations are shown on Figure 3 and the results of the sampling are included in Table 1.

Remediation and Closure Activities

A work plan dated May 5, 2011, was submitted to the OCD and approved. Tetra Tech personal was on site October 5, 2011 through October 18, 2011 to oversee the removal of impacted material as approved in the work plan. Approximately 2,500 cubic yards of impacted soils were excavated and hauled to Lea Land, Inc. of Hobbs, New Mexico. Based on the results, the areas of AH-1 through AH-7 had a 0.40 mil liner installed at 3' bgs and the areas of AH-10 and AH-11 had a 0.40 mil liner installed at 5' bgs. The excavated area in the pasture was brought back up the surface grade with clean material, then ripped and seeded with a BLM #3 seed mix. In addition the area on the pad was brought back up to surface grade with clean material and a 2.5' dike was constructed on the west and north side of the pad to prevent further impact of the native areas.



TETRA TECH

Based on the remediation performed, SM Energy requests closure of the site. If you have any questions or comments concerning the assessment or the remediation activities performed at the site, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH, INC.

Aaron M. Hale
Senior Project Manager

cc: Don Riggs – SM Energy Company
Mark Bondy – SM Energy Company
Chad McNeely – SM Energy Company
Jim Amos – BLM

FIGURES

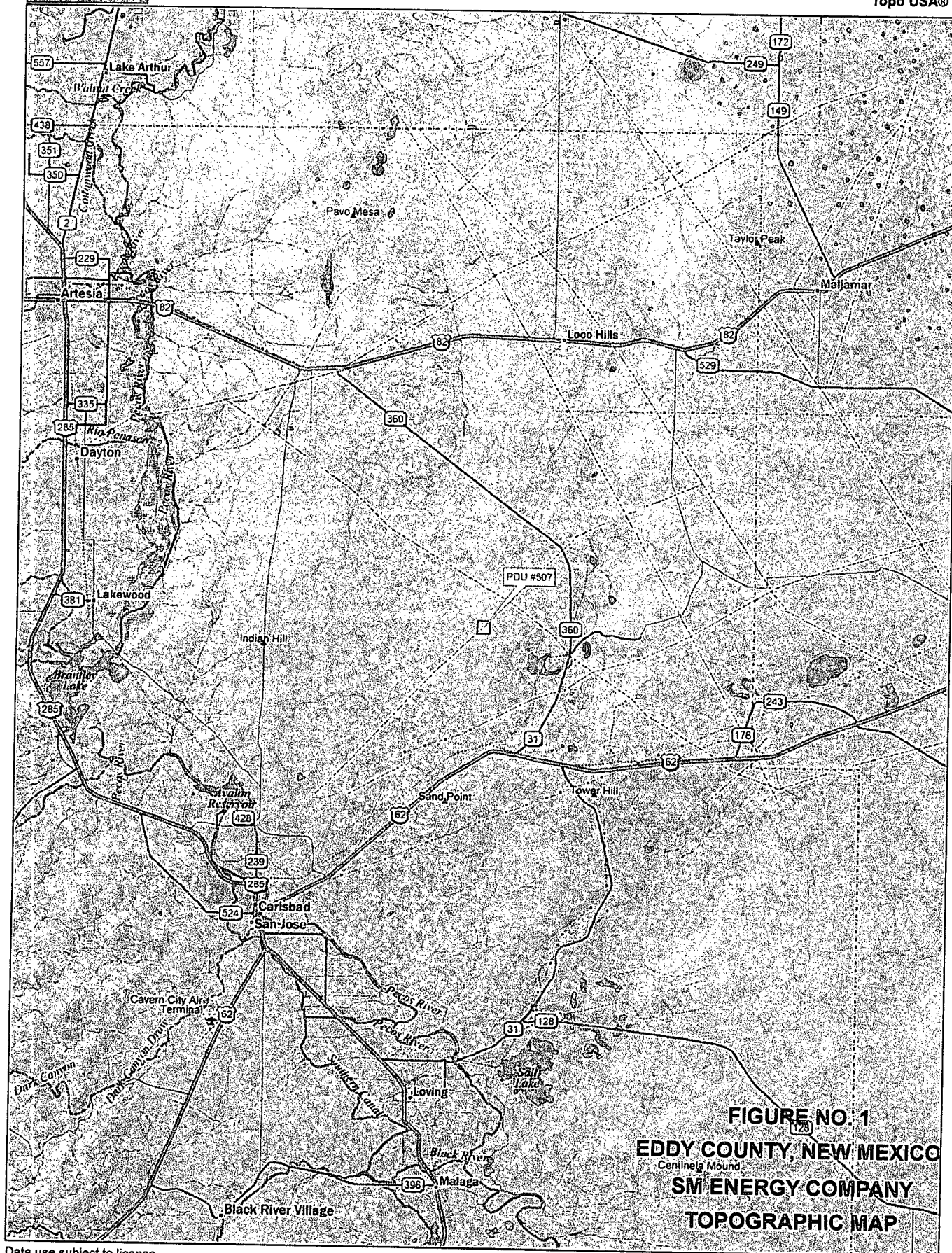
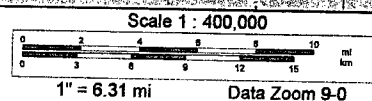


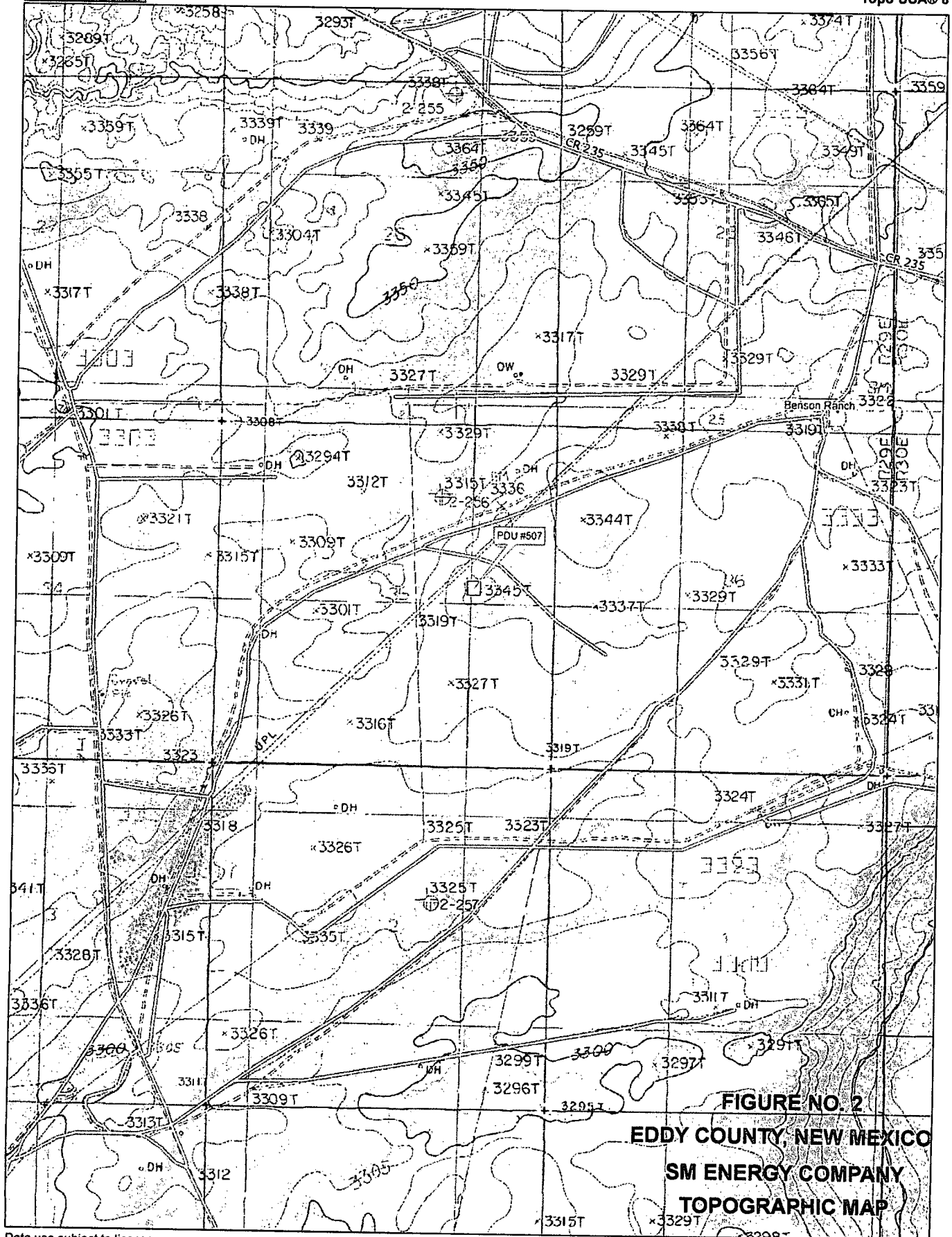
FIGURE NO. 1
 EDDY COUNTY, NEW MEXICO
 Centinela Mound
 SM ENERGY COMPANY
 TOPOGRAPHIC MAP

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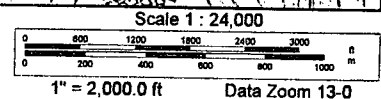


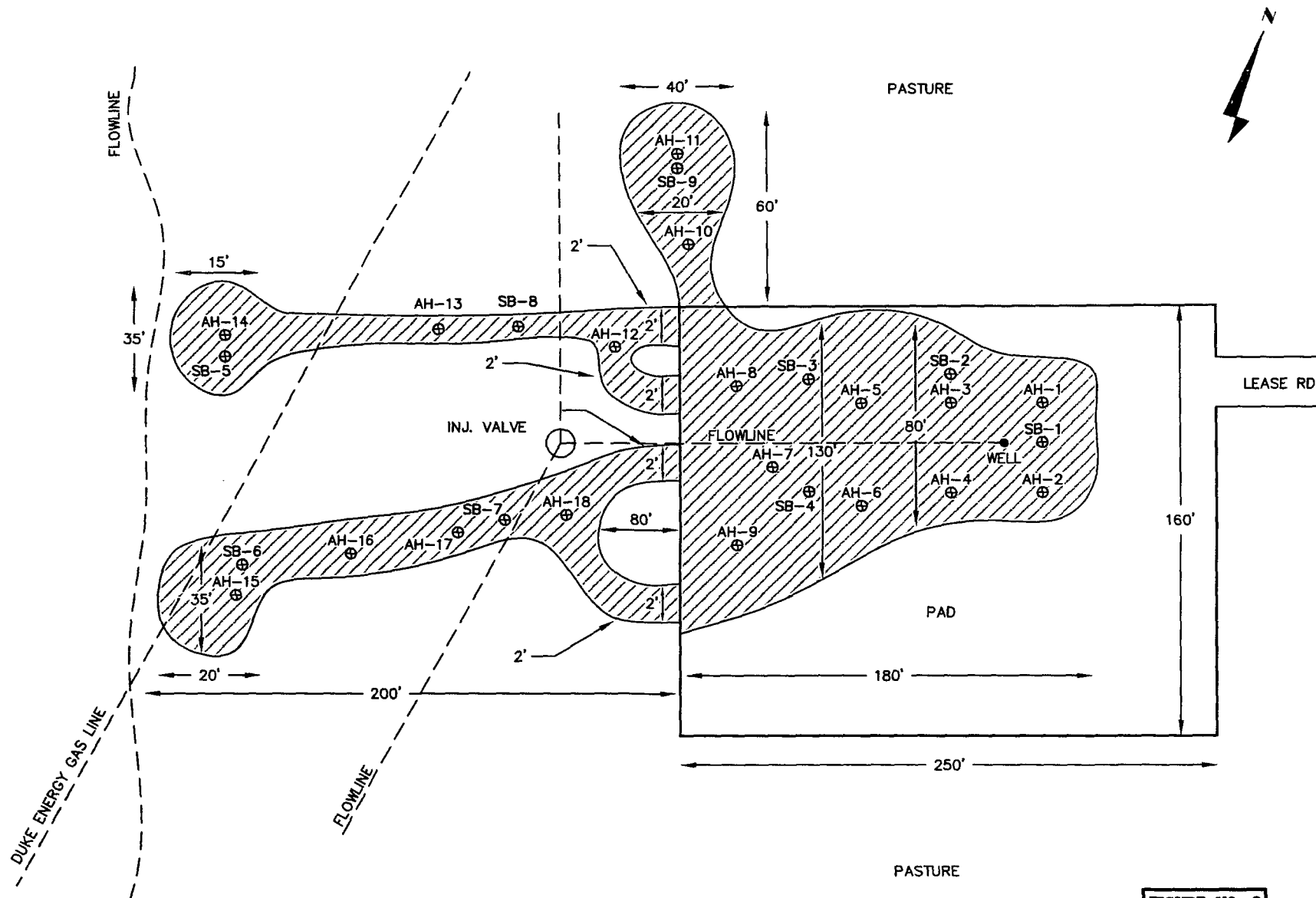


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- ▨ SPILL AREA
- ⊕ SAMPLE LOCATIONS
- ⊙ SOIL BORING LOCATIONS

NOT TO SCALE

DATE:
2/11/10
DWN. BY:
JJ
FILE:
H:\ST. MARY\0400419

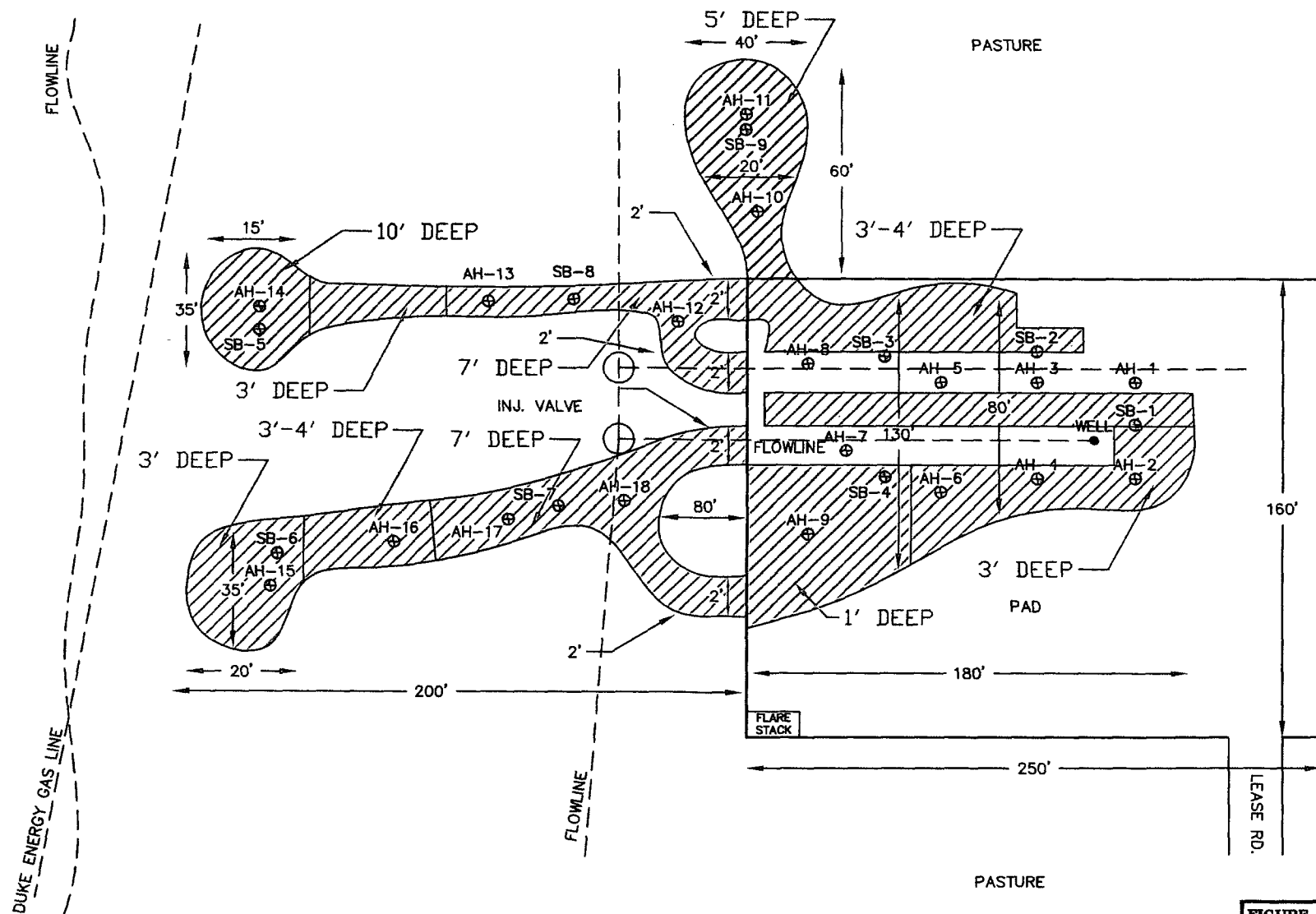
FIGURE NO. 3

EDDY COUNTY, NEW MEXICO

SM ENERGY COMPANY

PDU #507

TETRA TECH, INC.
MIDLAND, TEXAS



- ☐ EXCAVATED AREA
- ⊕ SAMPLE LOCATIONS
- ⊕ SOIL BORING LOCATIONS

NOT TO SCALE

DATE:
12/6/2011
DWN. BY:
IM
FILE:
HIST. MARY/0400418

FIGURE NO. 4

EDDY COUNTY, NEW MEXICO

SM ENERGY COMPANY

PDU #507

TETRA TECH, INC.
MIDLAND, TEXAS

TABLES

Table 1
SM Energy Company
Parkway Delaware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	1/25/2010	0-1'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	4720
		1-1.5'			X								1460
AH-2	1/25/2010	0-1'			X	<50.0	<1.00	<50.0					618
		1'-1.5'			X								608
		2'-2.5'			X								1190
SB-1	5/26/2010	1'			X								1500
		3'			X								4970
		5'		X		-	-	-	-	-	-	-	359
		7'		X		-	-	-	-	-	-	-	243
		10'		X		-	-	-	-	-	-	-	<200
		15'		X		-	-	-	-	-	-	-	<200
		20'		X		-	-	-	-	-	-	-	<200
		25'		X		-	-	-	-	-	-	-	<200

Table 1
SM Energy Company
Parkway Deleware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-3	1/25/2010	0-1'			X	<<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	5,650
		1'-1.5'			X								3,840
		2'-2.5'			X								3,260
SB-2	5/26/2010	1'			X								4,320
		3'			X								2,500
		5'		X		-	-	-	-	-	-	-	1,410
		7'		X		-	-	-	-	-	-	-	332
		10'		X		-	-	-	-	-	-	-	<200
		15'		X		-	-	-	-	-	-	-	<200
		20'		X		-	-	-	-	-	-	-	<200
		25'		X		-	-	-	-	-	-	-	<200
AH-4	1/25/2010	0-1'			X	<50.0	<1.00	<50.0					1,090
		1'-1.5'			X								<200
		1.5'-2'			X								<200

Table 1
SM Energy Company
Parkway Delaware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-5	1/25/2010	0-1'			X	<50.0	<1.00	<50.0	-	-	-	-	2,970
		1'-1.5'			X	-	-	-	-	-	-	-	2,260
		2'-2.5'			X	-	-	-	-	-	-	-	3,860
SB-3	5/26/2010	1'			X	-	-	-	-	-	-	-	5,680
		3'			X	-	-	-	-	-	-	-	1,780
		5'		X		-	-	-	-	-	-	-	1,180
		7'		X		-	-	-	-	-	-	-	1,480
		10'		X		-	-	-	-	-	-	-	308
		15'		X		-	-	-	-	-	-	-	3,120
		20'		X		-	-	-	-	-	-	-	1,380
		25'		X		-	-	-	-	-	-	-	227
		30'		X		-	-	-	-	-	-	-	290
		40'		X		-	-	-	-	-	-	-	<200
AH-6	1/25/2010	0-1'			X	<50.0	<1.00	<50.0	-	-	-	-	2,520
		1'-1.5'			X	-	-	-	-	-	-	-	2,880
		2'-2.5'			X	-	-	-	-	-	-	-	2,330
		3'-3.5'		X		-	-	-	-	-	-	-	1,820

Table 1
SM Energy Company
Parkway Delaware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-7	1/25/2010	0-1'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	4,260
		1'-1.5'			X								1,920
		2'-2.5'			X								2,680
		2.5'-3'			X								3,000
SB-4	5/26/2010	1'			X								5,200
		3'			X								6,110
		5'		X		-	-	-	-	-	-	-	1,810
		7'		X		-	-	-	-	-	-	-	1,470
		10'		X		-	-	-	-	-	-	-	420
		15'		X		-	-	-	-	-	-	-	222
		20'		X		-	-	-	-	-	-	-	241
		30'		X		-	-	-	-	-	-	-	<200
		40'		X		-	-	-	-	-	-	-	<200
AH-8	1/25/2010	0-1'			X	<50.0	<1.00	<50.0					3,540
		1'-1.5'			X	-	-	-	-	-	-	-	1,880
		2'-2.5'			X	-	-	-	-	-	-	-	603
AH-9	1/25/2010	0-1'			X	<<50.0	<1.00	<50.0					2,000
		1'-1.5'			X	-	-	-	-	-	-	-	377
		2'-2.5'			X	-	-	-	-	-	-	-	<200

Table 1
SM Energy Company
Parkway Deleware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-10	1/25/2010	0-1'		X		<50.0	<1.00	<50.0	-	-	-	-	3,680
		1'-1.5'		X		-	-	-	-	-	-	-	2,440
AH-11	1/25/2010	0-1'		X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	3,070
		1'-1.5'		X		-	-	-	-	-	-	-	2,930
		2'-2.5'		X		-	-	-	-	-	-	-	2,850
		3'-3.5'		X		-	-	-	-	-	-	-	3,880
SB-9	5/27/2010	1'		X		-	-	-	-	-	-	-	1,750
		3'		X		-	-	-	-	-	-	-	2,220
		5'		X		-	-	-	-	-	-	-	3,130
		7'		X		-	-	-	-	-	-	-	1,210
		10'		X		-	-	-	-	-	-	-	1,650
		15'		X		-	-	-	-	-	-	-	1,470
		20'		X		-	-	-	-	-	-	-	2,640
		25'		X		-	-	-	-	-	-	-	236
		30'		X		-	-	-	-	-	-	-	271
AH-12	1/25/2010	40'		X		-	-	-	-	-	-	-	281
		0-1'		x		<50.0	<1.00	<50.0	-	-	-	-	2,030
		1'-1.5'		x		-	-	-	-	-	-	-	<200
		2'-2.5'		x		-	-	-	-	-	-	-	1,490
		3'-3.5'		X		-	-	-	-	-	-	-	1,950
		4'-4.5'		X		-	-	-	-	-	-	-	2,460

Table 1
SM Energy Company
Parkway Deleware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-13	1/25/2010	0-1'		X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	2,390
		1'-1.5'		X		-	-	-	-	-	-	-	1,020
		2'-2.5'		X		-	-	-	-	-	-	-	2,540
		3'-3.5'		X		-	-	-	-	-	-	-	1,940
		4'-4.5'		X		-	-	-	-	-	-	-	3,060
		5'-5.5'		X		-	-	-	-	-	-	-	3,510
		6'-6.5'		X		-	-	-	-	-	-	-	2,960
SB-8	5/27/2010	1'		X		-	-	-	-	-	-	-	264
		3'		X		-	-	-	-	-	-	-	<200
		5'		X		-	-	-	-	-	-	-	3,000
		7'		X		-	-	-	-	-	-	-	2,950
		10'		X		-	-	-	-	-	-	-	1,360
		15'		X		-	-	-	-	-	-	-	742
		20'		X		-	-	-	-	-	-	-	498
		25'		X		-	-	-	-	-	-	-	<200
		30'		X		-	-	-	-	-	-	-	<200
		35'		X		-	-	-	-	-	-	-	<200
		40'		X		-	-	-	-	-	-	-	<200
AH-14	1/25/2010	0-1'		X		<50.0	<1.00	<50.0	-	-	-	-	889
		1'-1.5'		X		-	-	-	-	-	-	-	3,910
SB-5	5/26/2010	1'		X		-	-	-	-	-	-	-	<200
		3'		X		-	-	-	-	-	-	-	<200
		5'		X		-	-	-	-	-	-	-	2,520
		7'		X		-	-	-	-	-	-	-	3,600
		10'		X		-	-	-	-	-	-	-	3,150
		15'		X		-	-	-	-	-	-	-	1,440
		20'		X		-	-	-	-	-	-	-	767
		30'		X		-	-	-	-	-	-	-	452

Table 1
SM Energy Company
Parkway Delaware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-15	1/25/2010	0-1'		X		<50.0	<1.00	<50.0					<200
		1'-1.5'		X									2,170
		2'-2.5'		X									2,590
SB-6	5/27/2010	1'		X		-	-	-	-	-	-	-	<200
		3'		X		-	-	-	-	-	-	-	<200
		5'		X		-	-	-	-	-	-	-	337
		7'		X		-	-	-	-	-	-	-	902
		10'		X		-	-	-	-	-	-	-	<200
		15'		X		-	-	-	-	-	-	-	<200
		20'		X		-	-	-	-	-	-	-	<200
		25'		X		-	-	-	-	-	-	-	<200
		30'		X		-	-	-	-	-	-	-	<200
AH-16	1/25/2010	0-1'		X		<50.0	<1.00	<50.0					401
		1'-1.5'		X									2,020
		2'-2.5'		X									858
		3'-3.5'		X									359

Table 1
SM Energy Company
Parkway Deleware Unit # 507
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-17	1/25/2010	0-1'		X		<50.0	<1.00	<50.0					702
		1'-1.5'		X									3,900
		2'-2.5'		X									5,210
		3'-3.5'		X									2,120
AH-18	1/25/2010	0-1'		X		<50.0	<1.00	<50.0					<200
		1'-1.5'		X									<200
		2'-2.5'		X									1,180
SB-7	5/27/2010	1'		X									307
		3'		X									348
		5'		X									1,560
		7'		X									2,150
		10'		X		-	-	-	-	-	-	-	1,170
		15'		X		-	-	-	-	-	-	-	249
		20'		X		-	-	-	-	-	-	-	<200
		25'		X		-	-	-	-	-	-	-	<200
		30'		X		-	-	-	-	-	-	-	<200
		35'		X		-	-	-	-	-	-	-	<200
		40'		X		-	-	-	-	-	-	-	<200

(-) Not Analyzed

Liner installation

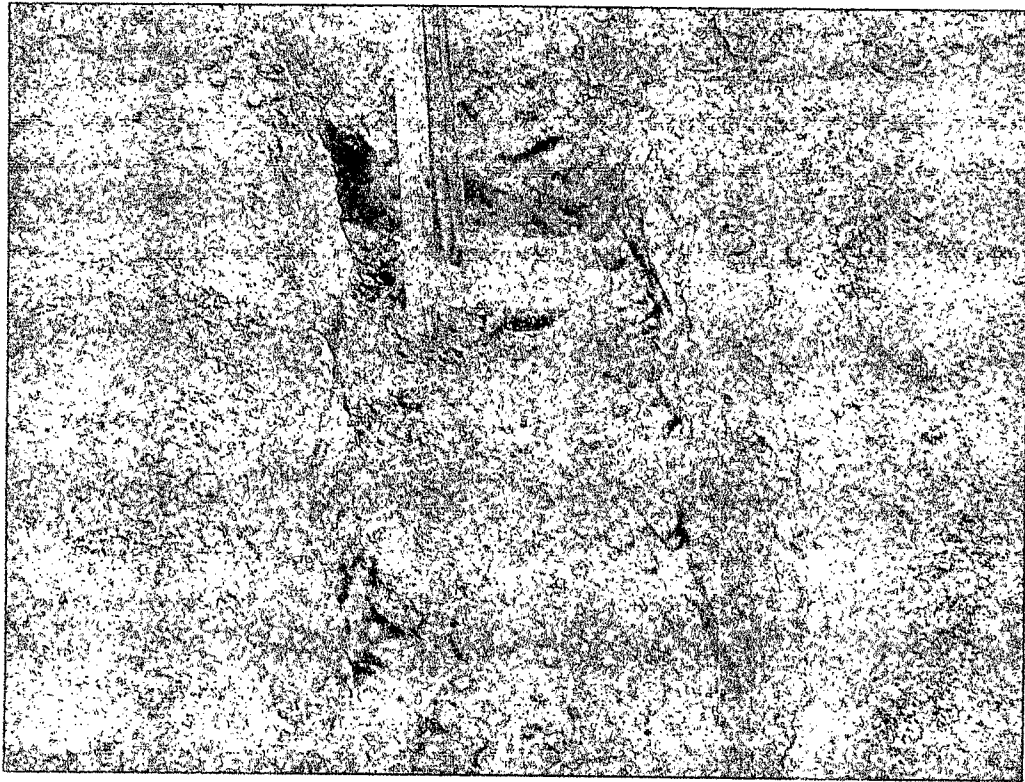
 Excavated Depths

PHOTOGRAPHS

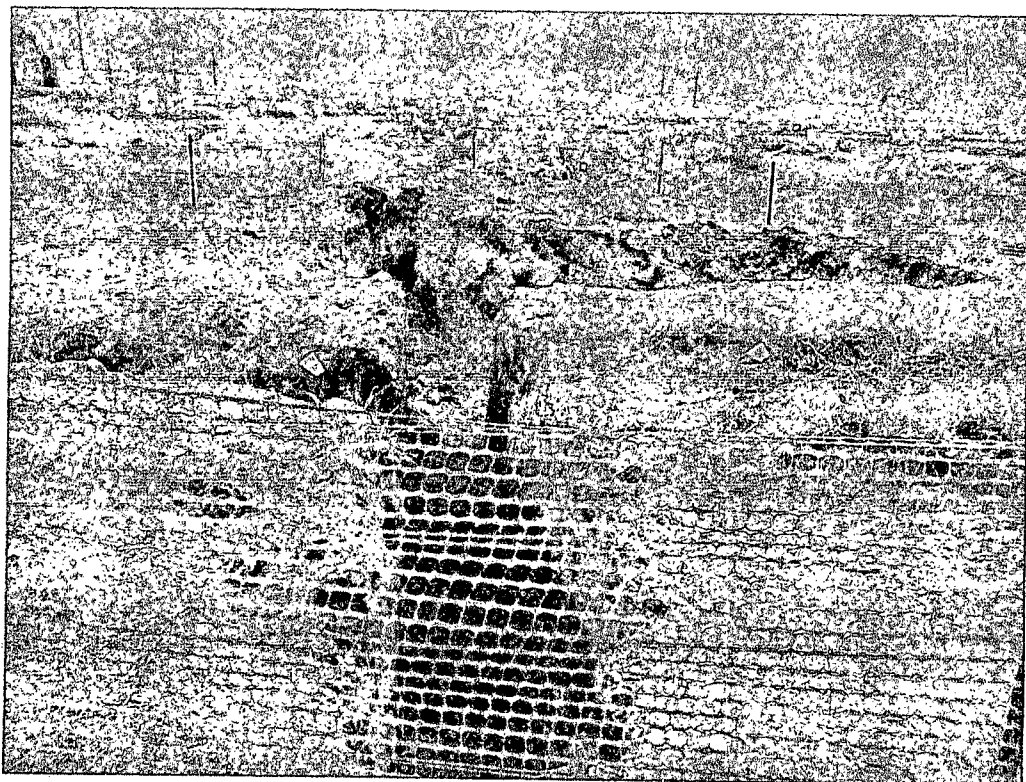
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH



Fiberglass Line



View West – AH-17 and AH-18

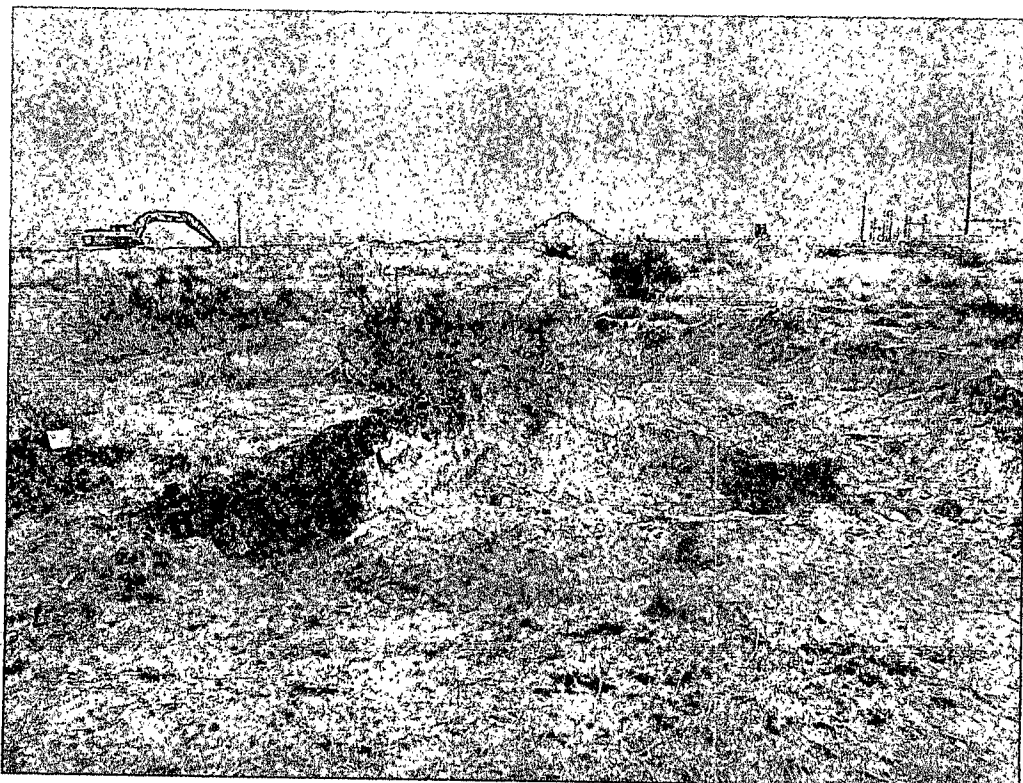
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



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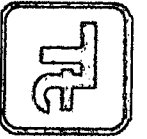


View South West – AH-16

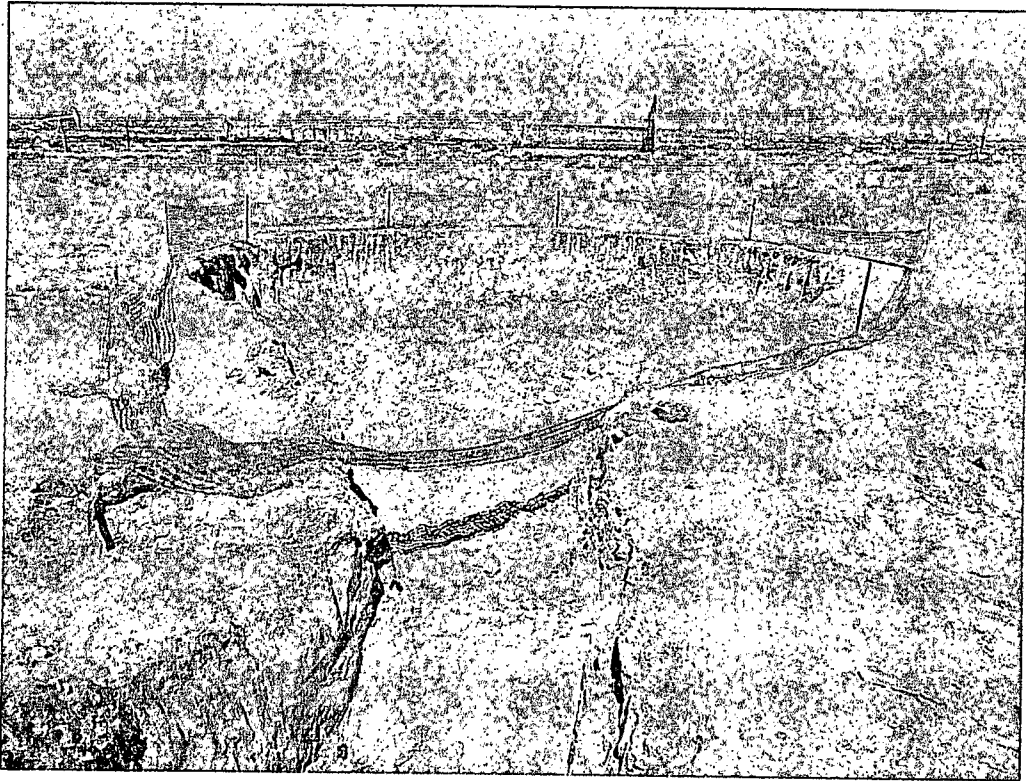


View East – AH-15

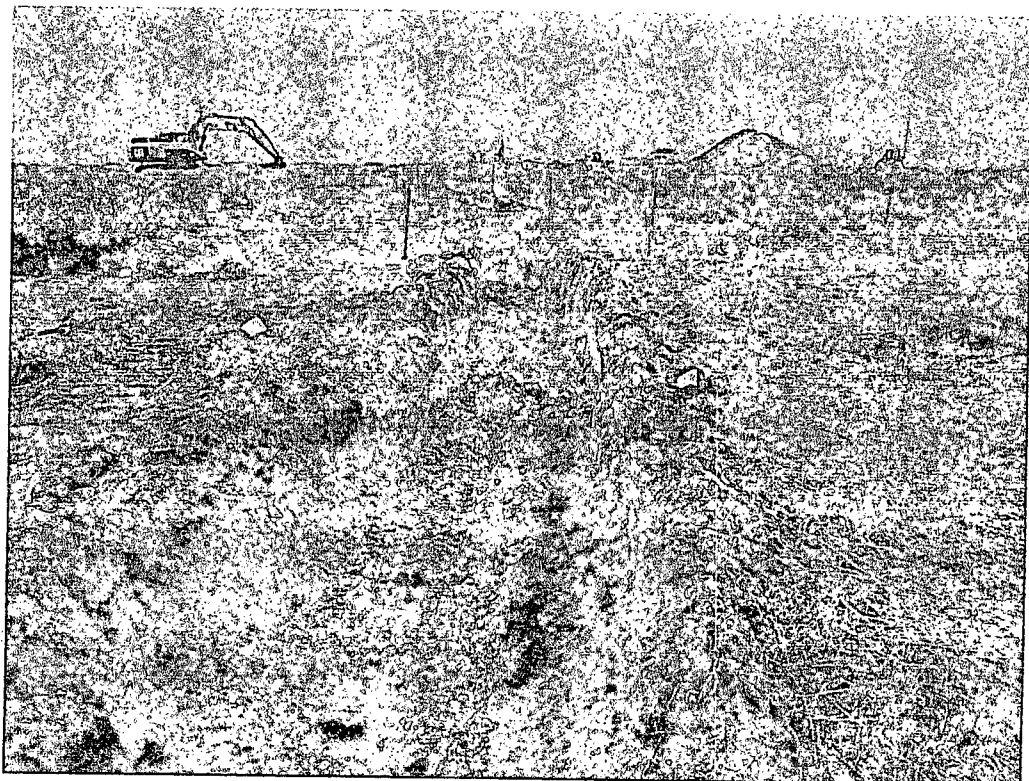
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH



View West – AH-14

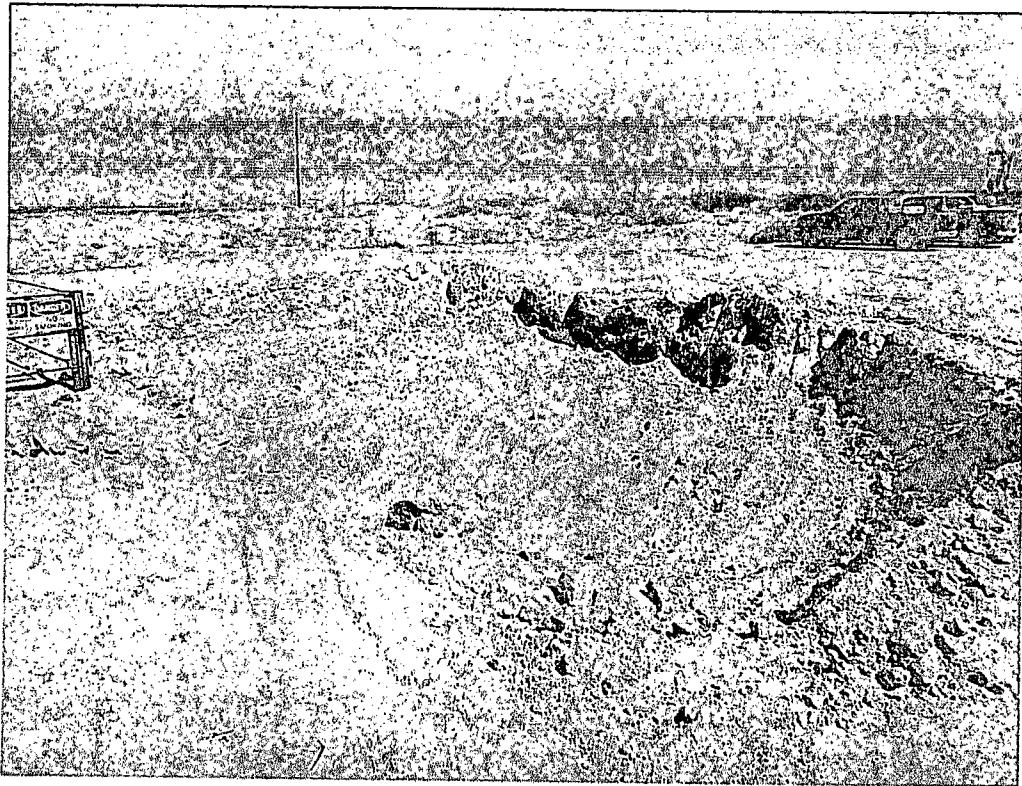


View East – AH-13

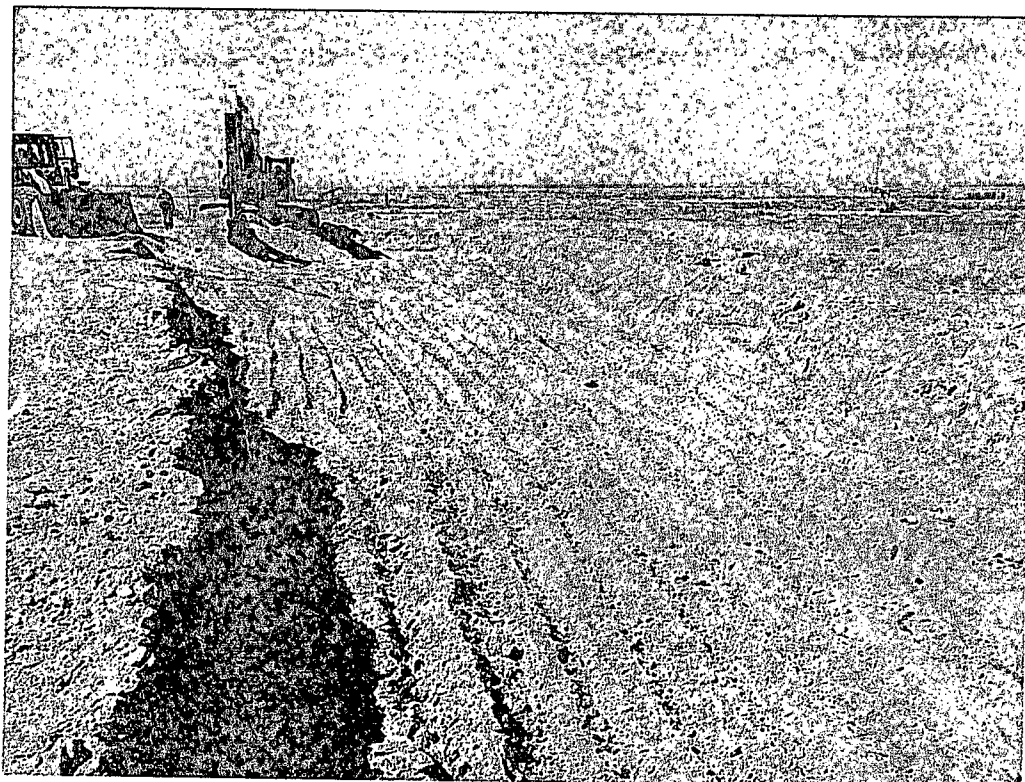
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH

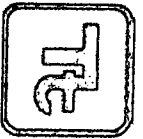


View North – AH-1 and AH-2

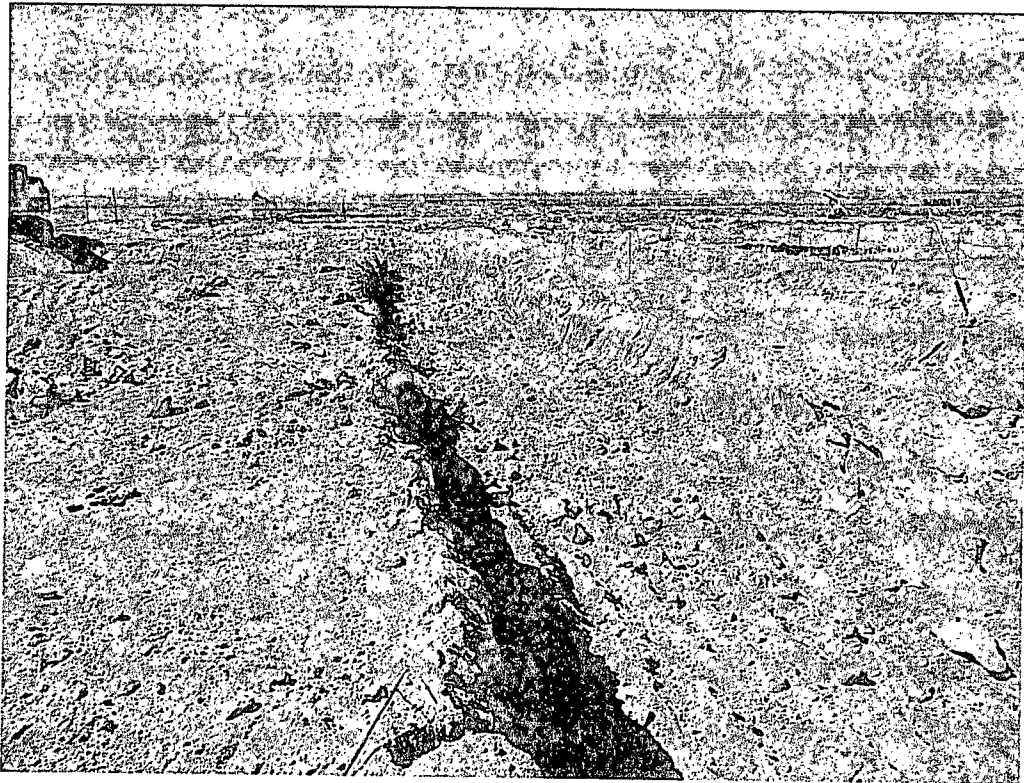


View West – AH-4 and AH-6

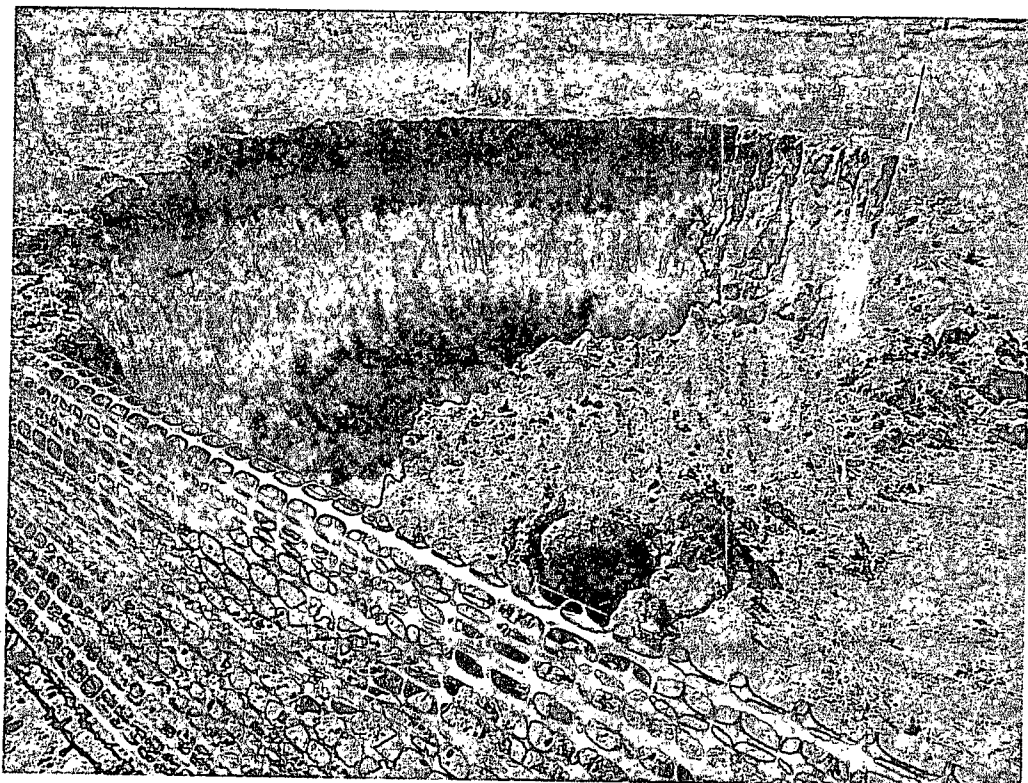
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH

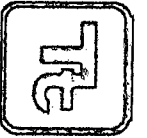


View West – AH-3 and AH-5

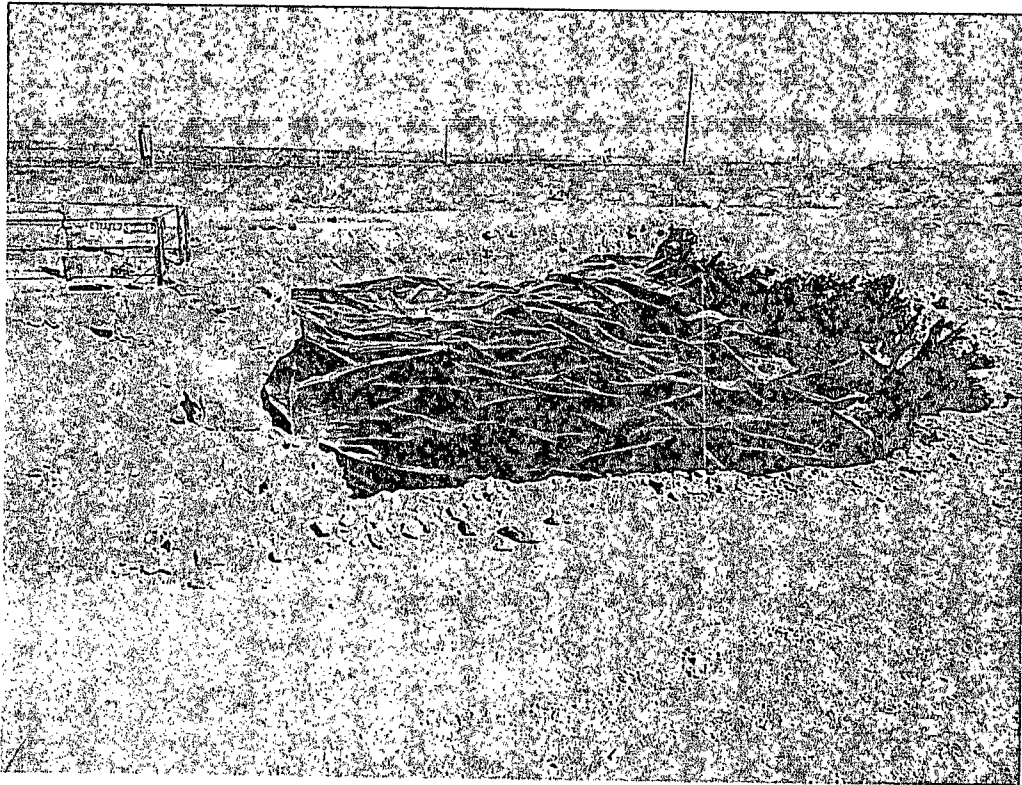


View North West – AH-10 and AH-11

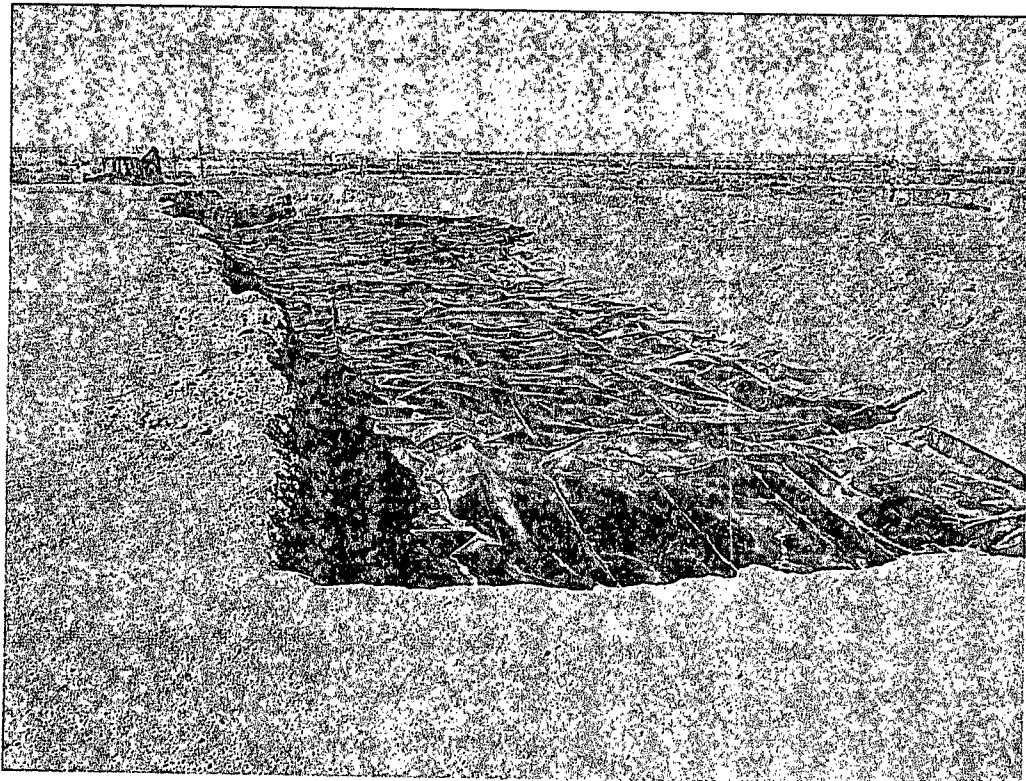
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH

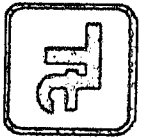


AH-2 and AH-1 – Liner Installation

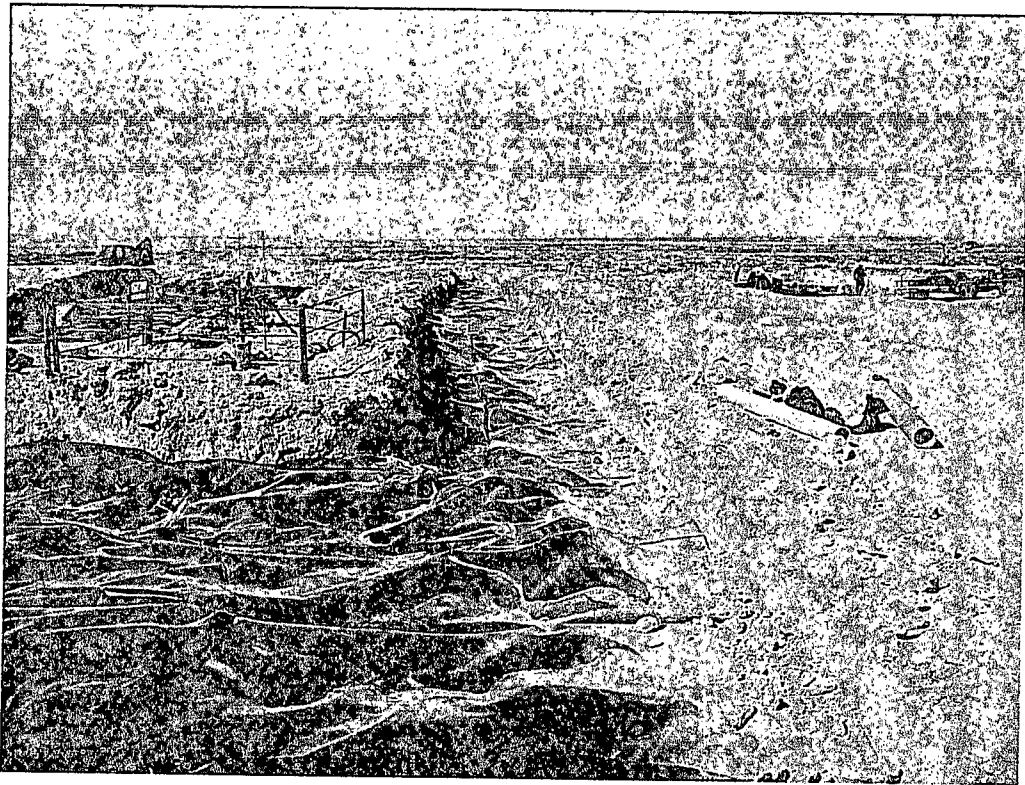


AH-2, 4 and 6 – Liner Installation

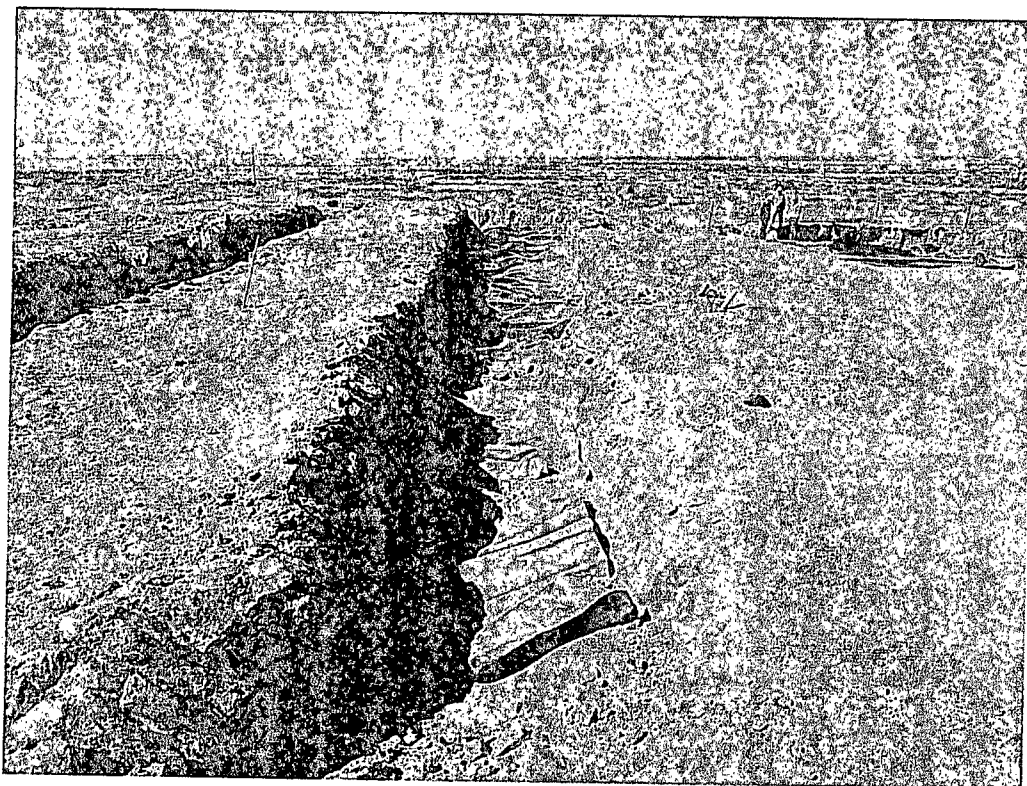
St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH



AH-3 and AH-5 – Liner Installation



AH-3 and AH-5 – Liner Installation

St. Mary Land &
Exploration
PDU #507
Eddy County, New Mexico



TETRA TECH



AH-10 and AH-11 – Liner Installation

Site info and picture details

APPENDIX A

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	St. Mary Land & Exploration Co.	Contact	Donna Huddleston
Address	3300 N. A Street, Bldg. 7, Ste. 200 Midland, Tx	Telephone No.	(432) 688-1789
Facility Name	Parkway Delaware Unit #507	Facility Type	Injection

Surface Owner: BLM	Mineral Owner: BLM	Lease No.
--------------------	--------------------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	35	19S	29E					

Latitude N 32.61698° Longitude W 104.04187°

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release 35 bbls	Volume Recovered 8 bbls
Source of Release: Hose connecting injection line to the wellhead.	Date and Hour of Occurrence 12/27/2009	Date and Hour of Discovery 12/27/2009
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher with OCD & Jim Amos with BLM	
By Whom? Bill Hearne	Date and Hour 12/27/2009 1:34 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

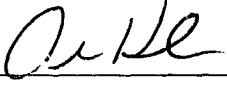
Describe Cause of Problem and Remedial Action Taken.*

Found split in 1.0" 4000# WP rubber hose connecting injection lateral line to wellhead for injection. Hose has been replaced. Picked up 8 bbls of produced water.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. Soil that exceeded RRAL was removed and hauled away for proper disposal. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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: Aaron Hale <i>agent for SM Energy</i>	Approved by District Supervisor:		
Title: Project Manager	Approval Date:	Expiration Date:	
E-mail Address: aaron.hale@tetrattech.com	Conditions of Approval:		Attached ☐
Date:	Phone: (432) 682-4559		

* Attach Additional Sheets If Necessary

APPENDIX B



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
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
NCTRCA WFVB38444Y0909

DBE: VN 20657

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

Ike Tavaréz
Tetra Tech
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: February 8, 2010

Work Order: 10012911



Project Location: Eddy Co., NM
Project Name: St. Mary/Parkway Delaware Unit #507
Project Number: 114-6400419

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
221081	AH-1 0-1'	soil	2010-01-25	00:00	2010-01-28
221082	AH-1 1-1.5'	soil	2010-01-25	00:00	2010-01-28
221083	AH-2 0-1'	soil	2010-01-25	00:00	2010-01-28
221084	AH-2 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221085	AH-2 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221086	AH-3 0-1'	soil	2010-01-25	00:00	2010-01-28
221087	AH-3 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221088	AH-3 1.5'-2'	soil	2010-01-25	00:00	2010-01-28
221089	AH-4 0-1'	soil	2010-01-25	00:00	2010-01-28
221090	AH-4 1'-1.5'	soil	2010-01-25	00:00	2010-01-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
221091	AH-4 1.5'-2'	soil	2010-01-25	00:00	2010-01-28
221092	AH-5 0-1'	soil	2010-01-25	00:00	2010-01-28
221093	AH-5 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221094	AH-5 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221095	AH-6 0-1'	soil	2010-01-25	00:00	2010-01-28
221096	AH-6 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221097	AH-6 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221098	AH-6 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221099	AH-7 0-1'	soil	2010-01-25	00:00	2010-01-28
221100	AH-7 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221101	AH-7 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221102	AH-7 2.5'-3'	soil	2010-01-25	00:00	2010-01-28
221103	AH-8 0-1'	soil	2010-01-25	00:00	2010-01-28
221104	AH-8 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221105	AH-8 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221106	AH-9 0-1'	soil	2010-01-25	00:00	2010-01-28
221107	AH-9 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221108	AH-9 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221109	AH-10 0-1'	soil	2010-01-25	00:00	2010-01-28
221110	AH-10 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221111	AH-11 0-1'	soil	2010-01-25	00:00	2010-01-28
221112	AH-11 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221113	AH-11 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221114	AH-11 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221115	AH-12 0-1'	soil	2010-01-25	00:00	2010-01-28
221116	AH-12 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221117	AH-12 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221118	AH-12 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221119	AH-12 4'-4.5'	soil	2010-01-25	00:00	2010-01-28
221120	AH-13 0-1'	soil	2010-01-25	00:00	2010-01-28
221121	AH-13 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221122	AH-13 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221123	AH-13 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221124	AH-13 4'-4.5'	soil	2010-01-25	00:00	2010-01-28
221125	AH-13 5'-5.5'	soil	2010-01-25	00:00	2010-01-28
221126	AH-13 6'-6.5'	soil	2010-01-25	00:00	2010-01-28
221127	AH-14 0-1	soil	2010-01-25	00:00	2010-01-28
221128	AH-14 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221129	AH-15 0-1'	soil	2010-01-25	00:00	2010-01-28
221130	AH-15 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221131	AH-15 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221132	AH-16 0-1'	soil	2010-01-25	00:00	2010-01-28
221133	AH-16 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221134	AH-16 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221135	AH-16 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221136	AH-17 0-1'	soil	2010-01-25	00:00	2010-01-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
221137	AH-17 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221138	AH-17 2'-2.5'	soil	2010-01-25	00:00	2010-01-28
221139	AH-17 3'-3.5'	soil	2010-01-25	00:00	2010-01-28
221140	AH-18 0-1	soil	2010-01-25	00:00	2010-01-28
221141	AH-18 1'-1.5'	soil	2010-01-25	00:00	2010-01-28
221142	AH-18 2'-2.5'	soil	2010-01-25	00:00	2010-01-28

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

This report consists of a total of 58 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 St. Mary/Parkway Delaware Unit #507 were received by TraceAnalysis, Inc. on 2010-01-28 and assigned to work order 10012911. Samples for work order 10012911 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	57514	2010-02-01 at 14:00	67336	2010-02-01 at 19:02
BTEX	S 8021B	57541	2010-02-03 at 12:30	67279	2010-02-03 at 08:27
Chloride (Titration)	SM 4500-Cl B	57463	2010-02-01 at 11:43	67216	2010-02-02 at 12:38
Chloride (Titration)	SM 4500-Cl B	57464	2010-02-01 at 11:43	67217	2010-02-02 at 12:39
Chloride (Titration)	SM 4500-Cl B	57465	2010-02-01 at 11:44	67218	2010-02-02 at 12:40
Chloride (Titration)	SM 4500-Cl B	57466	2010-02-01 at 11:44	67219	2010-02-02 at 12:41
Chloride (Titration)	SM 4500-Cl B	57467	2010-02-01 at 11:45	67224	2010-02-02 at 15:03
Chloride (Titration)	SM 4500-Cl B	57468	2010-02-01 at 11:45	67225	2010-02-02 at 15:04
Chloride (Titration)	SM 4500-Cl B	57469	2010-02-01 at 11:46	67226	2010-02-02 at 15:05
TPH DRO - NEW	Mod. 8015B	57512	2010-02-02 at 10:51	67247	2010-02-02 at 10:51
TPH GRO	S 8015B	57514	2010-02-01 at 14:00	67249	2010-02-01 at 19:30
TPH GRO	S 8015B	57541	2010-02-03 at 12:30	67280	2010-02-03 at 08:55
TPH GRO	S 8015B	57592	2010-02-04 at 12:30	67341	2010-02-04 at 11:33

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 10012911 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.

Report Date: February 8, 2010
114-6400419

Work Order: 10012911
St. Mary/Parkway Delaware Unit #507

Page Number: 5 of 58
Eddy Co., NM

Analytical Report

Sample: 221081 - AH-1 0-1'

Laboratory: Midland
Analysis: BTEX
QC Batch: 67336
Prep Batch: 57514

Analytical Method: S 8021B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.64	mg/Kg	1	2.00	82	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	43.1 - 158.4

Sample: 221081 - AH-1 0-1'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67216
Prep Batch: 57463

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4720	mg/Kg	100	4.00

Sample: 221081 - AH-1 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 67247
Prep Batch: 57512

Analytical Method: Mod. 8015B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: N/A
Analyzed By: kg
Prepared By: kg

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

Report Date: February 8, 2010
114-6400419

Work Order: 10012911
St. Mary/Parkway Delaware Unit #507

Page Number: 6 of 58
Eddy Co., NM

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

Sample: 221081 - AH-1 0-1'

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 67249
Prep Batch: 57514

Analytical Method: S 8015B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.06	mg/Kg	1	2.00	103	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.97	mg/Kg	1	2.00	98	61.7 - 131.1

Sample: 221082 - AH-1 1-1.5'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67216
Prep Batch: 57463

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1460	mg/Kg	50	4.00

Sample: 221083 - AH-2 0-1'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67216
Prep Batch: 57463

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		618	mg/Kg	50	4.00

Report Date: February 8, 2010
114-6400419

Work Order: 10012911
St. Mary/Parkway Delaware Unit #507

Page Number: 7 of 58
Eddy Co., NM

Sample: 221083 - AH-2 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		109	mg/Kg	1	100	109	70 - 130

Sample: 221083 - AH-2 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67249	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	1	2.00	104	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	61.7 - 131.1

Sample: 221084 - AH-2 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		608	mg/Kg	50	4.00

Report Date: February 8, 2010
114-6400419

Work Order: 10012911
St. Mary/Parkway Delaware Unit #507

Page Number: 8 of 58
Eddy Co., NM

Sample: 221085 - AH-2 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1190	mg/Kg	50	4.00

Sample: 221086 - AH-3 0-1'

Laboratory:	Midland	Analytical Method:	S 8021B	Prep Method:	S 5035
Analysis:	BTEX	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67336	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.09	mg/Kg	1	2.00	104	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		2.07	mg/Kg	1	2.00	104	43.1 - 158.4

Sample: 221086 - AH-3 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5650	mg/Kg	100	4.00

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Sample: 221086 - AH-3 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		111	mg/Kg	1	100	111	70 - 130

Sample: 221086 - AH-3 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67249	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.54	mg/Kg	1	2.00	127	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.36	mg/Kg	1	2.00	118	61.7 - 131.1

Sample: 221087 - AH-3 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3840	mg/Kg	100	4.00

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Sample: 221088 - AH-3 1.5'-2'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3260	mg/Kg	100	4.00

Sample: 221089 - AH-4 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67216	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57463				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1090	mg/Kg	50	4.00

Sample: 221089 - AH-4 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		102	mg/Kg	1	100	102	70 - 130

Sample: 221089 - AH-4 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67249	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.68	mg/Kg	1	2.00	134	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.50	mg/Kg	1	2.00	125	61.7 - 131.1

Sample: 221090 - AH-4 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67216 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57463 Sample Preparation: 2010-02-01 Prepared By: AR

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

Sample: 221091 - AH-4 1.5'-2'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

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

Sample: 221092 - AH-5 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2970	mg/Kg	100	4.00

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Sample: 221092 - AH-5 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		107	mg/Kg	1	100	107	70 - 130

Sample: 221092 - AH-5 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67249 Date Analyzed: 2010-02-01 Analyzed By: AG
Prep Batch: 57514 Sample Preparation: 2010-02-01 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.98	mg/Kg	1	2.00	99	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	61.7 - 131.1

Sample: 221093 - AH-5 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-C1 B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2260	mg/Kg	100	4.00

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Sample: 221094 - AH-5 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3860	mg/Kg	100	4.00

Sample: 221095 - AH-6 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2520	mg/Kg	100	4.00

Sample: 221095 - AH-6 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		101	mg/Kg	1	100	101	70 - 130

Sample: 221095 - AH-6 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67249 Date Analyzed: 2010-02-01 Analyzed By: AG
Prep Batch: 57514 Sample Preparation: 2010-02-01 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.40	mg/Kg	1	2.00	120	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.27	mg/Kg	1	2.00	114	61.7 - 131.1

Sample: 221096 - AH-6 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2880	mg/Kg	100	4.00

Sample: 221097 - AH-6 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2330	mg/Kg	100	4.00

Sample: 221098 - AH-6 3'-3.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1820	mg/Kg	50	4.00

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Sample: 221099 - AH-7 0-1'

Laboratory: Midland
Analysis: BTEX
QC Batch: 67336
Prep Batch: 57514

Analytical Method: S 8021B
Date Analyzed: 2010-02-01
Sample Preparation: 2010-02-01

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/Kg	1	2.00	101	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	43.1 - 158.4

Sample: 221099 - AH-7 0-1'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67217
Prep Batch: 57464

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4260	mg/Kg	100	4.00

Sample: 221099 - AH-7 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 67247
Prep Batch: 57512

Analytical Method: Mod. 8015B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-02

Prep Method: N/A
Analyzed By: kg
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		106	mg/Kg	1	100	106	70 - 130

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Sample: 221099 - AH-7 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67249	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.44	mg/Kg	1	2.00	122	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.28	mg/Kg	1	2.00	114	61.7 - 131.1

Sample: 221100 - AH-7 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67217	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57464				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1920	mg/Kg	50	4.00

Sample: 221101 - AH-7 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2680	mg/Kg	100	4.00

Sample: 221102 - AH-7 2.5'-3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

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Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3000	mg/Kg	100	4.00

Sample: 221103 - AH-8 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67218 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57465 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3540	mg/Kg	100	4.00

Sample: 221103 - AH-8 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		102	mg/Kg	1	100	102	70 - 130

Sample: 221103 - AH-8 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67249 Date Analyzed: 2010-02-01 Analyzed By: AG
Prep Batch: 57514 Sample Preparation: 2010-02-01 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.97	mg/Kg	1	2.00	98	65.3 - 145

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	61.7 - 131.1

Sample: 221104 - AH-8 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		1880	mg/Kg	100	4.00

Sample: 221105 - AH-8 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		603	mg/Kg	50	4.00

Sample: 221106 - AH-9 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		2000	mg/Kg	100	4.00

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Sample: 221106 - AH-9 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		106	mg/Kg	1	100	106	70 - 130

Sample: 221106 - AH-9 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-01	Analyzed By:	AG
QC Batch:	67249	Sample Preparation:	2010-02-01	Prepared By:	AG
Prep Batch:	57514				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.20	mg/Kg	1	2.00	110	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.11	mg/Kg	1	2.00	106	61.7 - 131.1

Sample: 221107 - AH-9 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67218	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57465				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		377	mg/Kg	50	4.00

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Sample: 221108 - AH-9 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67218 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57465 Sample Preparation: 2010-02-01 Prepared By: AR

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

Sample: 221109 - AH-10 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67218 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57465 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3680	mg/Kg	100	4.00

Sample: 221109 - AH-10 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		102	mg/Kg	1	100	102	70 - 130

Sample: 221109 - AH-10 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67249 Date Analyzed: 2010-02-01 Analyzed By: AG
Prep Batch: 57514 Sample Preparation: 2010-02-01 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.11	mg/Kg	1	2.00	106	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	61.7 - 131.1

Sample: 221110 - AH-10 1'-1.5'

Laboratory: Midland	Analytical Method: SM 4500-Cl B	Prep Method: N/A
Analysis: Chloride (Titration)	Date Analyzed: 2010-02-02	Analyzed By: AR
QC Batch: 67218	Sample Preparation: 2010-02-01	Prepared By: AR
Prep Batch: 57465		

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2440	mg/Kg	100	4.00

Sample: 221111 - AH-11 0-1'

Laboratory: Midland	Analytical Method: S 8021B	Prep Method: S 5035
Analysis: BTEX	Date Analyzed: 2010-02-03	Analyzed By: AG
QC Batch: 67279	Sample Preparation: 2010-02-03	Prepared By: AG
Prep Batch: 57541		

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.46	mg/Kg	1	2.00	73	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.53	mg/Kg	1	2.00	76	43.1 - 158.4

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Sample: 221111 - AH-11 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3070	mg/Kg	100	4.00

Sample: 221111 - AH-11 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		107	mg/Kg	1	100	107	70 - 130

Sample: 221111 - AH-11 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-03	Analyzed By:	AG
QC Batch:	67280	Sample Preparation:	2010-02-03	Prepared By:	AG
Prep Batch:	57541				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/Kg	1	2.00	92	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.82	mg/Kg	1	2.00	91	61.7 - 131.1

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Sample: 221112 - AH-11 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2930	mg/Kg	100	4.00

Sample: 221113 - AH-11 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2850	mg/Kg	100	4.00

Sample: 221114 - AH-11 3'-3.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3880	mg/Kg	100	4.00

Sample: 221115 - AH-12 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2030	mg/Kg	50	4.00

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Sample: 221115 - AH-12 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		99.2	mg/Kg	1	100	99	70 - 130

Sample: 221115 - AH-12 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67280 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.80	mg/Kg	1	2.00	140	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.52	mg/Kg	1	2.00	126	61.7 - 131.1

Sample: 221116 - AH-12 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67219 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57466 Sample Preparation: 2010-02-01 Prepared By: AR

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

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Sample: 221117 - AH-12 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1490	mg/Kg	50	4.00

Sample: 221118 - AH-12 3'-3.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1950	mg/Kg	50	4.00

Sample: 221119 - AH-12 4'-4.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67219	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57466				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2460	mg/Kg	100	4.00

Sample: 221120 - AH-13 0-1'

Laboratory:	Midland	Analytical Method:	S 8021B	Prep Method:	S 5035
Analysis:	BTEX	Date Analyzed:	2010-02-03	Analyzed By:	AG
QC Batch:	67279	Sample Preparation:	2010-02-03	Prepared By:	AG
Prep Batch:	57541				

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.55	mg/Kg	1	2.00	78	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.56	mg/Kg	1	2.00	78	43.1 - 158.4

Sample: 221120 - AH-13 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67219 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57466 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2390	mg/Kg	100	4.00

Sample: 221120 - AH-13 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		104	mg/Kg	1	100	104	70 - 130

Sample: 221120 - AH-13 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67280 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.85	mg/Kg	1	2.00	92	61.7 - 131.1

Sample: 221121 - AH-13 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1020	mg/Kg	50	4.00

Sample: 221122 - AH-13 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2540	mg/Kg	100	4.00

Sample: 221123 - AH-13 3'-3.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1940	mg/Kg	50	4.00

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Sample: 221124 - AH-13 4'-4.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67224	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57467				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3060	mg/Kg	100	4.00

Sample: 221125 - AH-13 5'-5.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67224	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57467				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3510	mg/Kg	100	4.00

Sample: 221126 - AH-13 6'-6.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67224	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57467				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2960	mg/Kg	100	4.00

Sample: 221127 - AH-14 0-1

Laboratory:	Midland	Analytical Method:	S 8021B	Prep Method:	S 5035
Analysis:	BTEX	Date Analyzed:	2010-02-03	Analyzed By:	AG
QC Batch:	67279	Sample Preparation:	2010-02-03	Prepared By:	AG
Prep Batch:	57541				

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

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.69	mg/Kg	1	2.00	84	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	43.1 - 158.4

Sample: 221127 - AH-14 0-1

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		889	mg/Kg	50	4.00

Sample: 221127 - AH-14 0-1

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 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		102	mg/Kg	1	100	102	70 - 130

Sample: 221127 - AH-14 0-1

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67280 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.11	mg/Kg	1	2.00	106	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.99	mg/Kg	1	2.00	100	61.7 - 131.1

Sample: 221128 - AH-14 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3910	mg/Kg	100	4.00

Sample: 221129 - AH-15 0-1'

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 67279 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.66	mg/Kg	1	2.00	83	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		1.66	mg/Kg	1	2.00	83	43.1 - 158.4

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Sample: 221129 - AH-15 0-1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67224	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57467				

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

Sample: 221129 - AH-15 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		107	mg/Kg	1	100	107	70 - 130

Sample: 221129 - AH-15 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-03	Analyzed By:	AG
QC Batch:	67280	Sample Preparation:	2010-02-03	Prepared By:	AG
Prep Batch:	57541				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	1	2.00	104	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	61.7 - 131.1

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Sample: 221130 - AH-15 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2170	mg/Kg	100	4.00

Sample: 221131 - AH-15 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2590	mg/Kg	100	4.00

Sample: 221132 - AH-16 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		401	mg/Kg	50	4.00

Sample: 221132 - AH-16 0-1'

Laboratory: Midland
Analysis: TPH DRO - NEW Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 67247 Date Analyzed: 2010-02-02 Analyzed By: kg
Prep Batch: 57512 Sample Preparation: 2010-02-02 Prepared By: kg

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		109	mg/Kg	1	100	109	70 - 130

Sample: 221132 - AH-16 0-1'

Laboratory: Midland
Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 67280 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.05	mg/Kg	1	2.00	102	65.3 - 145
4-Bromofluorobenzene (4-BFB)		1.94	mg/Kg	1	2.00	97	61.7 - 131.1

Sample: 221133 - AH-16 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2020	mg/Kg	50	4.00

Sample: 221134 - AH-16 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		858	mg/Kg	50	4.00

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Sample: 221135 - AH-16 3'-3.5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Chloride		359	mg/Kg	50	4.00

Sample: 221136 - AH-17 0-1'

Laboratory: Midland
Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 67279 Date Analyzed: 2010-02-03 Analyzed By: AG
Prep Batch: 57541 Sample Preparation: 2010-02-03 Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.07	mg/Kg	1	2.00	104	64.4 - 141.2
4-Bromofluorobenzene (4-BFB)		2.05	mg/Kg	1	2.00	102	43.1 - 158.4

Sample: 221136 - AH-17 0-1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 Sample Preparation: 2010-02-01 Prepared By: AR

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Chloride		702	mg/Kg	50	4.00

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Sample: 221136 - AH-17 0-1'

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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		106	mg/Kg	1	100	106	70 - 130

Sample: 221136 - AH-17 0-1'

Laboratory:	Midland	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2010-02-03	Analyzed By:	AG
QC Batch:	67280	Sample Preparation:	2010-02-03	Prepared By:	AG
Prep Batch:	57541				

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.57	mg/Kg	1	2.00	128	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.41	mg/Kg	1	2.00	120	61.7 - 131.1

Sample: 221137 - AH-17 1'-1.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67225	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57468				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3900	mg/Kg	100	4.00

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Sample: 221138 - AH-17 2'-2.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67225	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57468				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5210	mg/Kg	100	4.00

Sample: 221139 - AH-17 3'-3.5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67225	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57468				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2120	mg/Kg	100	4.00

Sample: 221140 - AH-18 0-1

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-02-02	Analyzed By:	AR
QC Batch:	67225	Sample Preparation:	2010-02-01	Prepared By:	AR
Prep Batch:	57468				

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

Sample: 221140 - AH-18 0-1

Laboratory:	Midland	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2010-02-02	Analyzed By:	kg
QC Batch:	67247	Sample Preparation:	2010-02-02	Prepared By:	kg
Prep Batch:	57512				

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

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		111	mg/Kg	1	100	111	70 - 130

Sample: 221140 - AH-18 0-1

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 67341
Prep Batch: 57592

Analytical Method: S 8015B
Date Analyzed: 2010-02-04
Sample Preparation: 2010-02-04

Prep Method: S 5035
Analyzed By: AG
Prepared By: AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.20	mg/Kg	1	2.00	110	65.3 - 145
4-Bromofluorobenzene (4-BFB)		2.22	mg/Kg	1	2.00	111	61.7 - 131.1

Sample: 221141 - AH-18 1'-1.5'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67226
Prep Batch: 57469

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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

Sample: 221142 - AH-18 2'-2.5'

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 67226
Prep Batch: 57469

Analytical Method: SM 4500-Cl B
Date Analyzed: 2010-02-02
Sample Preparation: 2010-02-01

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1180	mg/Kg	50	4.00

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Method Blank (1) QC Batch: 67216

QC Batch: 67216 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57463 QC Preparation: 2010-02-01 Prepared By: AR

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

Method Blank (1) QC Batch: 67217

QC Batch: 67217 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57464 QC Preparation: 2010-02-01 Prepared By: AR

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

Method Blank (1) QC Batch: 67218

QC Batch: 67218 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57465 QC Preparation: 2010-02-01 Prepared By: AR

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

Method Blank (1) QC Batch: 67219

QC Batch: 67219 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57466 QC Preparation: 2010-02-01 Prepared By: AR

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

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Method Blank (1) QC Batch: 67224

QC Batch: 67224
Prep Batch: 57467

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 67225

QC Batch: 67225
Prep Batch: 57468

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 67226

QC Batch: 67226
Prep Batch: 57469

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 67247

QC Batch: 67247
Prep Batch: 57512

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: kg
Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<5.86	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		102	mg/Kg	1	100	102	70 - 130

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Method Blank (1) QC Batch: 67249

QC Batch: 67249
Prep Batch: 57514

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.26	mg/Kg	1	2.00	113	66.2 - 145
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	62 - 120.5

Method Blank (1) QC Batch: 67279

QC Batch: 67279
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/Kg	1	2.00	92	64.9 - 142.7
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	43.9 - 141.9

Method Blank (1) QC Batch: 67280

QC Batch: 67280
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.31	mg/Kg	1	2.00	116	66.2 - 145
4-Bromofluorobenzene (4-BFB)		2.12	mg/Kg	1	2.00	106	62 - 120.5

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Method Blank (1) QC Batch: 67336

QC Batch: 67336
Prep Batch: 57514

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00410	mg/Kg	0.01
Toluene		<0.00310	mg/Kg	0.01
Ethylbenzene		<0.00240	mg/Kg	0.01
Xylene		<0.00650	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.82	mg/Kg	1	2.00	91	64.9 - 142.7
4-Bromofluorobenzene (4-BFB)		1.71	mg/Kg	1	2.00	86	43.9 - 141.9

Method Blank (1) QC Batch: 67341

QC Batch: 67341
Prep Batch: 57592

Date Analyzed: 2010-02-04
QC Preparation: 2010-02-04

Analyzed By: AG
Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.396	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.25	mg/Kg	1	2.00	112	66.2 - 145
4-Bromofluorobenzene (4-BFB)		2.14	mg/Kg	1	2.00	107	62 - 120.5

Laboratory Control Spike (LCS-1)

QC Batch: 67216
Prep Batch: 57463

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<2.18	101	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.2	mg/Kg	1	100	<2.18	98	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67217
Prep Batch: 57464

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<2.18	101	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<2.18	102	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67218
Prep Batch: 57465

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	103	mg/Kg	1	100	<2.18	103	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67219
Prep Batch: 57466

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<2.18	98	85 - 115

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

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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	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67224
Prep Batch: 57467

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.1	mg/Kg	1	100	<2.18	99	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67225
Prep Batch: 57468

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<2.18	98	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	99.6	mg/Kg	1	100	<2.18	100	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67226
Prep Batch: 57469

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<2.18	101	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	98.4	mg/Kg	1	100	<2.18	98	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 67247
Prep Batch: 57512

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: kg
Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	245	mg/Kg	1	250	<5.86	98	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	252	mg/Kg	1	250	<5.86	101	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	115	118	mg/Kg	1	100	115	118	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 67249
Prep Batch: 57514

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	17.4	mg/Kg	1	20.0	<0.396	87	52.5 - 114.3

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

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	17.7	mg/Kg	1	20.0	<0.396	88	52.5 - 114.3	2	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.21	2.05	mg/Kg	1	2.00	110	102	66.2 - 148.7
4-Bromofluorobenzene (4-BFB)	2.14	2.00	mg/Kg	1	2.00	107	100	64.1 - 127.4

Laboratory Control Spike (LCS-1)

QC Batch: 67279
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.14	mg/Kg	1	2.00	<0.00410	107	75.4 - 115.7
Toluene	1.98	mg/Kg	1	2.00	<0.00310	99	78.4 - 113.6
Ethylbenzene	1.96	mg/Kg	1	2.00	<0.00240	98	76 - 114.2
Xylene	5.90	mg/Kg	1	6.00	<0.00650	98	76.9 - 113.6

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.10	mg/Kg	1	2.00	<0.00410	105	75.4 - 115.7	2	20
Toluene	1.96	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6	1	20
Ethylbenzene	1.94	mg/Kg	1	2.00	<0.00240	97	76 - 114.2	1	20
Xylene	5.83	mg/Kg	1	6.00	<0.00650	97	76.9 - 113.6	1	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.66	1.72	mg/Kg	1	2.00	83	86	65 - 142.9
4-Bromofluorobenzene (4-BFB)	1.79	1.84	mg/Kg	1	2.00	90	92	43.8 - 144.9

Laboratory Control Spike (LCS-1)

QC Batch: 67280
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	16.9	mg/Kg	1	20.0	<0.396	84	52.5 - 114.3

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

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	16.6	mg/Kg	1	20.0	<0.396	83	52.5 - 114.3	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)	2.21	2.07	mg/Kg	1	2.00	110	104	66.2 - 148.7
4-Bromofluorobenzene (4-BFB)	2.16	2.05	mg/Kg	1	2.00	108	102	64.1 - 127.4

Laboratory Control Spike (LCS-1)

QC Batch: 67336
Prep Batch: 57514

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.14	mg/Kg	1	2.00	<0.00410	107	75.4 - 115.7
Toluene	1.98	mg/Kg	1	2.00	<0.00310	99	78.4 - 113.6
Ethylbenzene	1.94	mg/Kg	1	2.00	<0.00240	97	76 - 114.2
Xylene	5.89	mg/Kg	1	6.00	<0.00650	98	76.9 - 113.6

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	2.12	mg/Kg	1	2.00	<0.00410	106	75.4 - 115.7	1	20
Toluene	1.96	mg/Kg	1	2.00	<0.00310	98	78.4 - 113.6	1	20
Ethylbenzene	1.91	mg/Kg	1	2.00	<0.00240	96	76 - 114.2	2	20
Xylene	5.81	mg/Kg	1	6.00	<0.00650	97	76.9 - 113.6	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.89	1.75	mg/Kg	1	2.00	94	88	65 - 142.9
4-Bromofluorobenzene (4-BFB)	1.94	1.82	mg/Kg	1	2.00	97	91	43.8 - 144.9

Laboratory Control Spike (LCS-1)

QC Batch: 67341
Prep Batch: 57592

Date Analyzed: 2010-02-04
QC Preparation: 2010-02-04

Analyzed By: AG
Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	17.6	mg/Kg	1	20.0	<0.396	88	52.5 - 114.3

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

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	18.7	mg/Kg	1	20.0	<0.396	94	52.5 - 114.3	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)	2.22	2.30	mg/Kg	1	2.00	111	115	66.2 - 148.7
4-Bromofluorobenzene (4-BFB)	2.19	2.35	mg/Kg	1	2.00	110	118	64.1 - 127.4

Matrix Spike (MS-1) Spiked Sample: 221090

QC Batch: 67216
Prep Batch: 57463

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9550	mg/Kg	100	10000	<218	96	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	9660	mg/Kg	100	10000	<218	97	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 221100

QC Batch: 67217
Prep Batch: 57464

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12300	mg/Kg	100	10000	1920	104	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	12400	mg/Kg	100	10000	1920	105	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 221110

QC Batch: 67218
Prep Batch: 57465

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12600	mg/Kg	100	10000	2440	102	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	12800	mg/Kg	100	10000	2440	104	85 - 115	2	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: 221120

QC Batch: 67219 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57466 QC Preparation: 2010-02-01 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12600	mg/Kg	100	10000	2390	102	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	12800	mg/Kg	100	10000	2390	104	85 - 115	2	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: 221130

QC Batch: 67224 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57467 QC Preparation: 2010-02-01 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12300	mg/Kg	100	10000	2170	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12400	mg/Kg	100	10000	2170	102	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 221140

QC Batch: 67225 Date Analyzed: 2010-02-02 Analyzed By: AR
Prep Batch: 57468 QC Preparation: 2010-02-01 Prepared By: AR

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Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	<218	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10200	mg/Kg	100	10000	<218	102	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 221151

QC Batch: 67226
Prep Batch: 57469

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-01

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10600	mg/Kg	100	10000	457	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10700	mg/Kg	100	10000	457	107	85 - 115	1	20

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

Matrix Spike (MS-1) Spiked Sample: 221147

QC Batch: 67247
Prep Batch: 57512

Date Analyzed: 2010-02-02
QC Preparation: 2010-02-02

Analyzed By: kg
Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	209	mg/Kg	1	250	<5.86	84	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	201	mg/Kg	1	250	<5.86	80	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	104	100	mg/Kg	1	100	104	100	70 - 130

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Matrix Spike (MS-1) Spiked Sample: 211109

QC Batch: 67249
Prep Batch: 57514

Date Analyzed: 2010-02-01
QC Preparation: 2010-02-01

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	19.7	mg/Kg	1	20.0	<0.396	98	10 - 198.3

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	18.0	mg/Kg	1	20.0	<0.396	90	10 - 198.3	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)	2.28	2.17	mg/Kg	1	2	114	108	65.5 - 143
4-Bromofluorobenzene (4-BFB)	2.31	2.19	mg/Kg	1	2	116	110	58.6 - 140

Matrix Spike (MS-1) Spiked Sample: 221436

QC Batch: 67279
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.22	mg/Kg	1	2.00	<0.00410	111	57.7 - 140.7
Toluene	2.07	mg/Kg	1	2.00	<0.00310	104	53.4 - 146.6
Ethylbenzene	2.10	mg/Kg	1	2.00	<0.00240	105	62.1 - 141.6
Xylene	6.35	mg/Kg	1	6.00	<0.00650	106	61.2 - 142.7

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	2.24	mg/Kg	1	2.00	<0.00410	112	57.7 - 140.7	1	20
Toluene	2.11	mg/Kg	1	2.00	<0.00310	106	53.4 - 146.6	2	20
Ethylbenzene	2.12	mg/Kg	1	2.00	<0.00240	106	62.1 - 141.6	1	20
Xylene	6.44	mg/Kg	1	6.00	<0.00650	107	61.2 - 142.7	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)	1.92	1.85	mg/Kg	1	2	96	92	62.7 - 139.6
4-Bromofluorobenzene (4-BFB)	1.97	1.92	mg/Kg	1	2	98	96	49.6 - 146.7

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Matrix Spike (MS-1) Spiked Sample: 221136

QC Batch: 67280
Prep Batch: 57541

Date Analyzed: 2010-02-03
QC Preparation: 2010-02-03

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	19.1	mg/Kg	1	20.0	<0.396	96	10 - 198.3

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	18.7	mg/Kg	1	20.0	<0.396	94	10 - 198.3	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	2.31	2.21	mg/Kg	1	2	116	110	65.5 - 143
4-Bromofluorobenzene (4-BFB)	2.32	2.32	mg/Kg	1	2	116	116	58.6 - 140

Matrix Spike (MS-1) Spiked Sample: 221164

QC Batch: 67341
Prep Batch: 57592

Date Analyzed: 2010-02-04
QC Preparation: 2010-02-04

Analyzed By: AG
Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	18.2	mg/Kg	1	20.0	<0.396	91	10 - 198.3

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	19.1	mg/Kg	1	20.0	<0.396	96	10 - 198.3	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.68	2.30	mg/Kg	1	2	84	115	65.5 - 143
4-Bromofluorobenzene (4-BFB)	1.81	2.42	mg/Kg	1	2	90	121	58.6 - 140

Standard (ICV-1)

QC Batch: 67216

Date Analyzed: 2010-02-02

Analyzed By: AR

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	105	105	85 - 115	2010-02-02

Standard (CCV-1)

QC Batch: 67216

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	95.3	95	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67217

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2010-02-02

Standard (CCV-1)

QC Batch: 67217

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67218

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.5	98	85 - 115	2010-02-02

Standard (CCV-1)

QC Batch: 67218

Date Analyzed: 2010-02-02

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67219

Date Analyzed: 2010-02-02

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	2010-02-02

Standard (CCV-1)

QC Batch: 67219

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67224

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.7	99	85 - 115	2010-02-02

Standard (CCV-1)

QC Batch: 67224

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67225

Date Analyzed: 2010-02-02

Analyzed By: AR

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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	2010-02-02

Standard (CCV-1)

QC Batch: 67225

Date Analyzed: 2010-02-02

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2010-02-02

Standard (ICV-1)

QC Batch: 67226

Date Analyzed: 2010-02-02

Analyzed By: AR

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	2010-02-02

Standard (CCV-1)

QC Batch: 67226

Date Analyzed: 2010-02-02

Analyzed By: AR

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	2010-02-02

Standard (CCV-1)

QC Batch: 67247

Date Analyzed: 2010-02-02

Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	239	96	80 - 120	2010-02-02

Standard (CCV-2)

QC Batch: 67247

Date Analyzed: 2010-02-02

Analyzed By: kg

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	243	97	80 - 120	2010-02-02

Standard (CCV-3)

QC Batch: 67247

Date Analyzed: 2010-02-02

Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	241	96	80 - 120	2010-02-02

Standard (CCV-1)

QC Batch: 67249

Date Analyzed: 2010-02-01

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	2010-02-01

Standard (CCV-2)

QC Batch: 67249

Date Analyzed: 2010-02-01

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	1.05	105	80 - 120	2010-02-01

Standard (CCV-1)

QC Batch: 67279

Date Analyzed: 2010-02-03

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.105	105	80 - 120	2010-02-03
Toluene		mg/Kg	0.100	0.0962	96	80 - 120	2010-02-03
Ethylbenzene		mg/Kg	0.100	0.0904	90	80 - 120	2010-02-03
Xylene		mg/Kg	0.300	0.273	91	80 - 120	2010-02-03

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Standard (CCV-2)

QC Batch: 67279

Date Analyzed: 2010-02-03

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	80 - 120	2010-02-03
Toluene		mg/Kg	0.100	0.0950	95	80 - 120	2010-02-03
Ethylbenzene		mg/Kg	0.100	0.0932	93	80 - 120	2010-02-03
Xylene		mg/Kg	0.300	0.282	94	80 - 120	2010-02-03

Standard (CCV-3)

QC Batch: 67279

Date Analyzed: 2010-02-03

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.104	104	80 - 120	2010-02-03
Toluene		mg/Kg	0.100	0.0955	96	80 - 120	2010-02-03
Ethylbenzene		mg/Kg	0.100	0.0934	93	80 - 120	2010-02-03
Xylene		mg/Kg	0.300	0.283	94	80 - 120	2010-02-03

Standard (CCV-1)

QC Batch: 67280

Date Analyzed: 2010-02-03

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.10	110	80 - 120	2010-02-03

Standard (CCV-2)

QC Batch: 67280

Date Analyzed: 2010-02-03

Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.963	96	80 - 120	2010-02-03

Standard (CCV-3)

QC Batch: 67280

Date Analyzed: 2010-02-03

Analyzed By: AG

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.18	118	80 - 120	2010-02-03

Standard (CCV-1)

QC Batch: 67336

Date Analyzed: 2010-02-01

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	0.108	108	80 - 120	2010-02-01
Toluene		mg/Kg	0.100	0.102	102	80 - 120	2010-02-01
Ethylbenzene		mg/Kg	0.100	0.0996	100	80 - 120	2010-02-01
Xylene		mg/Kg	0.300	0.302	101	80 - 120	2010-02-01

Standard (CCV-2)

QC Batch: 67336

Date Analyzed: 2010-02-01

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	0.115	115	80 - 120	2010-02-01
Toluene		mg/Kg	0.100	0.106	106	80 - 120	2010-02-01
Ethylbenzene		mg/Kg	0.100	0.105	105	80 - 120	2010-02-01
Xylene		mg/Kg	0.300	0.315	105	80 - 120	2010-02-01

Standard (CCV-1)

QC Batch: 67341

Date Analyzed: 2010-02-04

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	1.19	119	80 - 120	2010-02-04

Standard (CCV-2)

QC Batch: 67341

Date Analyzed: 2010-02-04

Analyzed By: AG

Report Date: February 8, 2010
114-6400419

Work Order: 10012911
St. Mary/Parkway Delaware Unit #507

Page Number: 58 of 58
Eddy Co., NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.03	103	80 - 120	2010-02-04

Order #: 10012911

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE: 1 OF: 7

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

St Marys

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1141-6400419

PROJECT NAME:

 St Marys / Parkway Delaware Unit #507
 Eddy Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y)	HCL	HNO3	ICE	NONE	BTX 8021B	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi V	RCI	GC-MS Vol. t	GC-MS Semi	PCB's 8080/60	Pest. 809/60	Chloride	Gamma Spec	Alpha Beta (u	PLM (Asbest	Major Anions
221081	1/25		S		X	AH-1 0-1'	1			X			X											X				
082						AH-1 1'-1.5'																						
083						AH-2 0-1'							X															
084						AH-2 1'-1.5'																						
085						AH-2 2'-2.5'																						
086						AH-3 0-1'							X															
087						AH-3 1'-1.5'																						
088						AH-3 1.5'-2																						
089						AH-4 0-1'							X															
090						AH-4 1'-1.5'																						

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 11:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 11:10

SAMPLED BY: (Print & Initial)

ST/RC

Date: 1/25/10

Time: 11:10

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 11:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 11:10

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

HAND DELIVERED

UPS

OTHER:

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 11:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 11:10

TETRA TECH CONTACT PERSON:

Ike Tavaraz

Results by:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

41.0c intact

REMARKS:

If total TPH exceeds 1,000 mg/kg run deeper samples Run 10 BTX w/ highest TPH

RUSH Charges

Authorized:

Yes

No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10012911

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 7



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Marys

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400419

PROJECT NAME:

St Marys / Parkway Delaware Unit #507
Eddy Co, NM

LAB I.D.
NUMBERDATE
2010

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/808

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

221091

1/25

S

X

AH-4 1.5' - 2'

1

X

X

092

AH-5 0-1'

X

093

AH-5 1'-1.5'

094

AH-5 2'-2.5'

095

AH-6 0-1'

X

096

AH-6 1'-1.5'

097

AH-6 2'-2.5'

098

AH-6 3'-3.5'

099

AH-7 0-1'

X

100

AH-7 1'-1.5'

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 16:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 16:10

SAMPLED BY: (Print & Initial)

ST/RG

Date: 1/25/10

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

HAND DELIVERED

UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

Ike Tavaraz

RUSH Charges

Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

410c intact

If total TPH exceeds 1000 mg/kg run deeper samples Run 10 BTX w/ highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10012911

Analysis Request of Chain of Custody Record

PAGE: 41 OF: 7

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

St Marys

SITE MANAGER:

Ike Tovar

PROJECT NO.:

114-6400419

PROJECT NAME:

 St Marys / Parkway Delaware Unit #507
 Eddy Co, NM
LAB I.D.
NUMBER

DATE

TIME

MATRIX
COMP.
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD
 BTEX 8021B
 TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/625

PCB's 8080/608

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

221111

1/25

S

X

RELINQUISHED BY: (Signature)

Date:

1/28/10

Time:

1:40

RECEIVED BY: (Signature)

Date:

1/28/10

Time:

11:10

SAMPLED BY: (Print & Initial)

ST/RG

Date:

1/25/10

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

HAND DELIVERED

UPS

AIRBILL #:

OTHER:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

If total TPH exceeds 1,000 mg/kg run deeper samples Run 10 BTEX w/ highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10012911

Analysis Request of Chain of Custody Record

PAGE: 5 OF: 7

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary's

SITE MANAGER:

Ike Tovar

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary's / Parkway Delaware Unit #507
Eddy Co, NMLAB I.D.
NUMBERDATE
2010

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTEX 8021B
TPH 8015 MOD, TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/625

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

221121

1/25

S

Y

AH-13

1'-1.5'

1

X

122

AH-13

2'-2.5'

123

AH-13

3'-3.5'

124

AH-13

4'-4.5'

125

AH-13

5'-5.5'

126

AH-13

6'-6.5'

127

AH-14

0-1'

128

AH-14

1'-1.5'

129

AH-15

0-1'

130

AH-15

1'-1.5'

RELINQUISHED BY: (Signature)

Date:

1/28/10

Time:

16:10

RECEIVED BY: (Signature)

Date:

1/28/10

Time:

16:10

SAMPLED BY: (Print & Initial)

ST/RG

Date:

1/28/10

Time:

16:10

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

HAND DELIVERED

UPS

AIRBILL #:

OTHER:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

If total TPH exceeds 1,000 mg/kg run deeper samples Run 10 BTEX w/ highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10012911

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE: 6 OF: 7

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

St Mary's

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1141-6400419

PROJECT NAME:

 St Mary's / Parkway Delaware Unit #307
 Eddy Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y)	HCL	HNO3	ICE	NONE	BTX 8021B	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi V	RCI	GC/MS Vol. t	GC/MS Semi	PCB's 8080/	Pest. 809/60	Chloride	Gamma Spec	Alpha Beta (	PLM (Asbest	Major Anion
221131	1/25		S		X	AH- 15 2'-2.5'	1			X														X				
132						AH- 16 0-1'							X															
133						AH- 16 1'-1.5'																						
134						AH- 16 2'-2.5'																						
135						AH- 16 3'-3.5'																						
136						AH- 17 0-1'							X															
137						AH- 17 1'-1.5'																						
138						AH- 17 2'-2.5'																						
139						AH- 17 3'-3.5'																						
140						AH- 18 0-1'							X															

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 16:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 16:10

SAMPLED BY: (Print & Initial)

ST/RG

Date: 1/25/10

Time: 16:10

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 16:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 16:10

SAMPLE SHIPPED BY: (Circle)

FEDEX

AIRBILL #:

RELINQUISHED BY: (Signature)

Date: 1/25/10

Time: 16:10

RECEIVED BY: (Signature)

Date: 1/25/10

Time: 16:10

TETRA TECH CONTACT PERSON:

Ike Tavaraz

OTHER:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

If total TPH exceeds 1,000 mg/kg run deeper samples Run 10 BTX w/ highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order # 10012911

Analysis Request of Chain of Custody Record

PAGE: 7 OF: 7

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Marys

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

1121-6400419

PROJECT NAME:

St Marys Parkway Delaware Unit #507
Eddy Co, NMLAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS
FILTERED (Y/N)PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTX 8021B
TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/808

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

221141

1/25

S

X

AH-18

1'-1.5'

1

X

X

142

AH-18

2'-2.5'

X

RELINQUISHED BY: (Signature)

Date: 1/28/10

Time: 1610

RECEIVED BY: (Signature)

Date: 1/28/10

Time: 1610

SAMPLED BY: (Print & Initial)

ST/RG

Date: 1/28/10

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

HAND DELIVERED

UPS

OTHER:

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: TX

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

TETRA TECH CONTACT PERSON:

Ike Tavaraz

Results by:

RUSH Charges

Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

4.0°C intact

REMARKS:

If total TPH exceeds 1,000 mg/kg run deeper samples. Run 10 BTX w/ highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 883•888•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: lah@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

Ike Tavaréz
Tetra Tech
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: June 10, 2010

Work Order: 10060111



Project Location: Eddy County, NM
Project Name: St. Mary/PDU #507
Project Number: 114-6400419

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
233298	SB-1 1'	soil	2010-05-26	00:00	2010-05-28
233299	SB-1 3'	soil	2010-05-26	00:00	2010-05-28
233300	SB-1 5'	soil	2010-05-26	00:00	2010-05-28
233301	SB-1 7'	soil	2010-05-26	00:00	2010-05-28
233302	SB-1 10'	soil	2010-05-26	00:00	2010-05-28
233303	SB-1 15'	soil	2010-05-26	00:00	2010-05-28
233304	SB-1 20'	soil	2010-05-26	00:00	2010-05-28
233305	SB-1 25'	soil	2010-05-26	00:00	2010-05-28
233306	SB-2 1'	soil	2010-05-26	00:00	2010-05-28
233307	SB-2 3'	soil	2010-05-26	00:00	2010-05-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
233308	SB-2 5'	soil	2010-05-26	00:00	2010-05-28
233309	SB-2 7'	soil	2010-05-26	00:00	2010-05-28
233310	SB-2 10'	soil	2010-05-26	00:00	2010-05-28
233311	SB-2 15'	soil	2010-05-26	00:00	2010-05-28
233312	SB-2 20'	soil	2010-05-26	00:00	2010-05-28
233313	SB-2 25'	soil	2010-05-26	00:00	2010-05-28
233314	SB-3 1'	soil	2010-05-26	00:00	2010-05-28
233315	SB-3 3'	soil	2010-05-26	00:00	2010-05-28
233316	SB-3 5'	soil	2010-05-26	00:00	2010-05-28
233317	SB-3 7'	soil	2010-05-26	00:00	2010-05-28
233318	SB-3 10'	soil	2010-05-26	00:00	2010-05-28
233319	SB-3 15'	soil	2010-05-26	00:00	2010-05-28
233320	SB-3 20'	soil	2010-05-26	00:00	2010-05-28
233321	SB-3 25'	soil	2010-05-26	00:00	2010-05-28
233322	SB-3 30'	soil	2010-05-26	00:00	2010-05-28
233323	SB-3 40'	soil	2010-05-26	00:00	2010-05-28
233324	SB-4 1'	soil	2010-05-26	00:00	2010-05-28
233325	SB-4 3'	soil	2010-05-26	00:00	2010-05-28
233326	SB-4 5'	soil	2010-05-26	00:00	2010-05-28
233327	SB-4 7'	soil	2010-05-26	00:00	2010-05-28
233328	SB-4 10'	soil	2010-05-26	00:00	2010-05-28
233329	SB-4 15'	soil	2010-05-26	00:00	2010-05-28
233330	SB-4 20'	soil	2010-05-26	00:00	2010-05-28
233331	SB-4 30'	soil	2010-05-26	00:00	2010-05-28
233332	SB-4 40'	soil	2010-05-26	00:00	2010-05-28
233333	SB-5 1'	soil	2010-05-26	00:00	2010-05-28
233334	SB-5 3'	soil	2010-05-26	00:00	2010-05-28
233335	SB-5 5'	soil	2010-05-26	00:00	2010-05-28
233336	SB-5 7'	soil	2010-05-26	00:00	2010-05-28
233337	SB-5 10'	soil	2010-05-26	00:00	2010-05-28
233338	SB-5 15'	soil	2010-05-26	00:00	2010-05-28
233339	SB-5 20'	soil	2010-05-26	00:00	2010-05-28
233340	SB-5 30'	soil	2010-05-26	00:00	2010-05-28
233341	SB-6 1'	soil	2010-05-27	00:00	2010-05-28
233342	SB-6 3'	soil	2010-05-27	00:00	2010-05-28
233343	SB-6 5'	soil	2010-05-27	00:00	2010-05-28
233344	SB-6 7'	soil	2010-05-27	00:00	2010-05-28
233345	SB-6 10'	soil	2010-05-27	00:00	2010-05-28
233346	SB-6 15'	soil	2010-05-27	00:00	2010-05-28
233347	SB-6 20'	soil	2010-05-27	00:00	2010-05-28
233348	SB-6 25'	soil	2010-05-27	00:00	2010-05-28
233349	SB-6 30'	soil	2010-05-27	00:00	2010-05-28
233350	SB-7 1'	soil	2010-05-27	00:00	2010-05-28
233351	SB-7 3'	soil	2010-05-27	00:00	2010-05-28
233352	SB-7 5'	soil	2010-05-27	00:00	2010-05-28
233353	SB-7 7'	soil	2010-05-27	00:00	2010-05-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
233354	SB-7 10'	soil	2010-05-27	00:00	2010-05-28
233355	SB-7 15'	soil	2010-05-27	00:00	2010-05-28
233356	SB-7 20'	soil	2010-05-27	00:00	2010-05-28
233357	SB-7 25'	soil	2010-05-27	00:00	2010-05-28
233358	SB-7 30'	soil	2010-05-27	00:00	2010-05-28
233359	SB-7 35'	soil	2010-05-27	00:00	2010-05-28
233360	SB-7 40'	soil	2010-05-27	00:00	2010-05-28
233361	SB-8 1'	soil	2010-05-27	00:00	2010-05-28
233362	SB-8 3'	soil	2010-05-27	00:00	2010-05-28
233363	SB-8 5'	soil	2010-05-27	00:00	2010-05-28
233364	SB-8 7'	soil	2010-05-27	00:00	2010-05-28
233365	SB-8 10'	soil	2010-05-27	00:00	2010-05-28
233366	SB-8 15'	soil	2010-05-27	00:00	2010-05-28
233367	SB-8 20'	soil	2010-05-27	00:00	2010-05-28
233368	SB-8 25'	soil	2010-05-27	00:00	2010-05-28
233369	SB-8 30'	soil	2010-05-27	00:00	2010-05-28
233370	SB-8 35'	soil	2010-05-27	00:00	2010-05-28
233371	SB-8 40'	soil	2010-05-27	00:00	2010-05-28
233372	SB-9 1'	soil	2010-05-27	00:00	2010-05-28
233373	SB-9 3'	soil	2010-05-27	00:00	2010-05-28
233374	SB-9 5'	soil	2010-05-27	00:00	2010-05-28
233375	SB-9 7'	soil	2010-05-27	00:00	2010-05-28
233376	SB-9 10'	soil	2010-05-27	00:00	2010-05-28
233377	SB-9 15'	soil	2010-05-27	00:00	2010-05-28
233378	SB-9 20'	soil	2010-05-27	00:00	2010-05-28
233379	SB-9 25'	soil	2010-05-27	00:00	2010-05-28
233380	SB-9 30'	soil	2010-05-27	00:00	2010-05-28
233381	SB-9 35'	soil	2010-05-27	00:00	2010-05-28
233382	SB-9 40'	soil	2010-05-27	00:00	2010-05-28

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

This report consists of a total of 39 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 St. Mary/PDU #507 were received by TraceAnalysis, Inc. on 2010-05-28 and assigned to work order 10060111. Samples for work order 10060111 were received intact at a temperature of 3.6 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	60453	2010-06-03 at 09:51	70684	2010-06-07 at 13:48
Chloride (Titration)	SM 4500-Cl B	60471	2010-06-03 at 16:02	70685	2010-06-07 at 13:49
Chloride (Titration)	SM 4500-Cl B	60472	2010-06-03 at 16:02	70686	2010-06-07 at 13:50
Chloride (Titration)	SM 4500-Cl B	60473	2010-06-03 at 16:03	70692	2010-06-07 at 14:49
Chloride (Titration)	SM 4500-Cl B	60474	2010-06-03 at 16:03	70693	2010-06-07 at 14:50
Chloride (Titration)	SM 4500-Cl B	60475	2010-06-03 at 16:04	70699	2010-06-08 at 09:07
Chloride (Titration)	SM 4500-Cl B	60476	2010-06-03 at 16:04	70700	2010-06-08 at 09:07
Chloride (Titration)	SM 4500-Cl B	60553	2010-06-08 at 08:44	70711	2010-06-08 at 13:09
Chloride (Titration)	SM 4500-Cl B	60554	2010-06-08 at 08:45	70712	2010-06-08 at 13:11
Chloride (Titration)	SM 4500-Cl B	60555	2010-06-08 at 08:45	70713	2010-06-08 at 13:12

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 10060111 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.

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Analytical Report

Sample: 233298 - SB-1 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70684	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60453				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1500	mg/Kg	100	4.00

Sample: 233299 - SB-1 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70684	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60453				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4970	mg/Kg	100	4.00

Sample: 233300 - SB-1 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70684	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60453				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		359	mg/Kg	50	4.00

Sample: 233301 - SB-1 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

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sample 233301 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		243	mg/Kg	50	4.00

Sample: 233302 - SB-1 10'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70685 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60471 Sample Preparation: 2010-06-03 Prepared By: AR

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

Sample: 233303 - SB-1 15'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70685 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60471 Sample Preparation: 2010-06-03 Prepared By: AR

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

Sample: 233304 - SB-1 20'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70685 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60471 Sample Preparation: 2010-06-03 Prepared By: AR

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

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Sample: 233305 - SB-1 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

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

Sample: 233306 - SB-2 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4320	mg/Kg	100	4.00

Sample: 233307 - SB-2 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2500	mg/Kg	100	4.00

Sample: 233308 - SB-2 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1410	mg/Kg	100	4.00

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Sample: 233309 - SB-2 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		332	mg/Kg	50	4.00

Sample: 233310 - SB-2 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70685	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60471				

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

Sample: 233311 - SB-2 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

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

Sample: 233312 - SB-2 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

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

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Sample: 233313 - SB-2 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

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

Sample: 233314 - SB-3 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5680	mg/Kg	100	4.00

Sample: 233315 - SB-3 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1780	mg/Kg	100	4.00

Sample: 233316 - SB-3 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1180	mg/Kg	100	4.00

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Sample: 233317 - SB-3 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1480	mg/Kg	100	4.00

Sample: 233318 - SB-3 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		308	mg/Kg	50	4.00

Sample: 233319 - SB-3 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3120	mg/Kg	100	4.00

Sample: 233320 - SB-3 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70686	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60472				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1380	mg/Kg	100	4.00

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Sample: 233321 - SB-3 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		227	mg/Kg	50	4.00

Sample: 233322 - SB-3 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		290	mg/Kg	50	4.00

Sample: 233323 - SB-3 40'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

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

Sample: 233324 - SB-4 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5200	mg/Kg	100	4.00

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Sample: 233325 - SB-4 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6110	mg/Kg	100	4.00

Sample: 233326 - SB-4 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1810	mg/Kg	100	4.00

Sample: 233327 - SB-4 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1470	mg/Kg	100	4.00

Sample: 233328 - SB-4 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		420	mg/Kg	50	4.00

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Sample: 233329 - SB-4 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		222	mg/Kg	50	4.00

Sample: 233330 - SB-4 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70692	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60473				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		241	mg/Kg	50	4.00

Sample: 233331 - SB-4 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

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

Sample: 233332 - SB-4 40'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

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

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Sample: 233333 - SB-5 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

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

Sample: 233334 - SB-5 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

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

Sample: 233335 - SB-5 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2520	mg/Kg	100	4.00

Sample: 233336 - SB-5 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3600	mg/Kg	100	4.00

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Sample: 233337 - SB-5 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3150	mg/Kg	100	4.00

Sample: 233338 - SB-5 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1440	mg/Kg	100	4.00

Sample: 233339 - SB-5 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		767	mg/Kg	50	4.00

Sample: 233340 - SB-5 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-07	Analyzed By:	AR
QC Batch:	70693	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60474				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		452	mg/Kg	50	4.00

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Sample: 233341 - SB-6 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233342 - SB-6 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233343 - SB-6 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		337	mg/Kg	50	4.00

Sample: 233344 - SB-6 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		902	mg/Kg	100	4.00

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Sample: 233345 - SB-6 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233346 - SB-6 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233347 - SB-6 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233348 - SB-6 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

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Sample: 233349 - SB-6 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

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

Sample: 233350 - SB-7 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70699	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60475				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		307	mg/Kg	50	4.00

Sample: 233351 - SB-7 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		348	mg/Kg	50	4.00

Sample: 233352 - SB-7 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1560	mg/Kg	100	4.00

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Sample: 233353 - SB-7 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2150	mg/Kg	100	4.00

Sample: 233354 - SB-7 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1170	mg/Kg	100	4.00

Sample: 233355 - SB-7 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		249	mg/Kg	50	4.00

Sample: 233356 - SB-7 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70700	Sample Preparation:	2010-06-03	Prepared By:	AR
Prep Batch:	60476				

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

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Sample: 233357 - SB-7 25'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70700 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60476 Sample Preparation: 2010-06-03 Prepared By: AR

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

Sample: 233358 - SB-7 30'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70700 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60476 Sample Preparation: 2010-06-03 Prepared By: AR

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

Sample: 233359 - SB-7 35'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70700 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60476 Sample Preparation: 2010-06-03 Prepared By: AR

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

Sample: 233360 - SB-7 40'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70700 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60476 Sample Preparation: 2010-06-03 Prepared By: AR

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

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Sample: 233361 - SB-8 1'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70711 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60553 Sample Preparation: 2010-06-08 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		264	mg/Kg	50	4.00

Sample: 233362 - SB-8 3'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70711 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60553 Sample Preparation: 2010-06-08 Prepared By: AR

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

Sample: 233363 - SB-8 5'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70711 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60553 Sample Preparation: 2010-06-08 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3000	mg/Kg	100	4.00

Sample: 233364 - SB-8 7'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 70711 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60553 Sample Preparation: 2010-06-08 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2950	mg/Kg	100	4.00

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Sample: 233365 - SB-8 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1360	mg/Kg	100	4.00

Sample: 233366 - SB-8 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		742	mg/Kg	50	4.00

Sample: 233367 - SB-8 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		498	mg/Kg	50	4.00

Sample: 233368 - SB-8 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

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

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Sample: 233369 - SB-8 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

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

Sample: 233370 - SB-8 35'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70711	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60553				

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

Sample: 233371 - SB-8 40'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

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

Sample: 233372 - SB-9 1'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1750	mg/Kg	100	4.00

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Sample: 233373 - SB-9 3'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2220	mg/Kg	100	4.00

Sample: 233374 - SB-9 5'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3130	mg/Kg	100	4.00

Sample: 233375 - SB-9 7'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1210	mg/Kg	100	4.00

Sample: 233376 - SB-9 10'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1030	mg/Kg	100	4.00

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Sample: 233377 - SB-9 15'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1650	mg/Kg	100	4.00

Sample: 233378 - SB-9 20'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1470	mg/Kg	100	4.00

Sample: 233379 - SB-9 25'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2640	mg/Kg	100	4.00

Sample: 233380 - SB-9 30'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70712	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60554				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		236	mg/Kg	50	4.00

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Sample: 233381 - SB-9 35'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70713	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60555				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		271	mg/Kg	50	4.00

Sample: 233382 - SB-9 40'

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2010-06-08	Analyzed By:	AR
QC Batch:	70713	Sample Preparation:	2010-06-08	Prepared By:	AR
Prep Batch:	60555				

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		281	mg/Kg	50	4.00

Method Blank (1) QC Batch: 70684

QC Batch:	70684	Date Analyzed:	2010-06-07	Analyzed By:	AR
Prep Batch:	60453	QC Preparation:	2010-06-03	Prepared By:	AR

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

Method Blank (1) QC Batch: 70685

QC Batch:	70685	Date Analyzed:	2010-06-07	Analyzed By:	AR
Prep Batch:	60471	QC Preparation:	2010-06-03	Prepared By:	AR

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

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Method Blank (1) QC Batch: 70686

QC Batch: 70686 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60472 QC Preparation: 2010-06-03 Prepared By: AR

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

Method Blank (1) QC Batch: 70692

QC Batch: 70692 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60473 QC Preparation: 2010-06-03 Prepared By: AR

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

Method Blank (1) QC Batch: 70693

QC Batch: 70693 Date Analyzed: 2010-06-07 Analyzed By: AR
Prep Batch: 60474 QC Preparation: 2010-06-03 Prepared By: AR

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

Method Blank (1) QC Batch: 70699

QC Batch: 70699 Date Analyzed: 2010-06-08 Analyzed By: AR
Prep Batch: 60475 QC Preparation: 2010-06-03 Prepared By: AR

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

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Method Blank (1) QC Batch: 70700

QC Batch: 70700
Prep Batch: 60476

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 70711

QC Batch: 70711
Prep Batch: 60553

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 70712

QC Batch: 70712
Prep Batch: 60554

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

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

Method Blank (1) QC Batch: 70713

QC Batch: 70713
Prep Batch: 60555

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

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

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Laboratory Control Spike (LCS-1)

QC Batch: 70684
Prep Batch: 60453

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<2.18	98	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	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70685
Prep Batch: 60471

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.7	mg/Kg	1	100	<2.18	99	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70686
Prep Batch: 60472

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.3	mg/Kg	1	100	<2.18	98	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<2.18	102	85 - 115	4	20

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

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Laboratory Control Spike (LCS-1)

QC Batch: 70692
Prep Batch: 60473

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.6	mg/Kg	1	100	<2.18	99	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70693
Prep Batch: 60474

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.8	mg/Kg	1	100	<2.18	99	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70699
Prep Batch: 60475

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.1	mg/Kg	1	100	<2.18	98	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	3	20

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

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Laboratory Control Spike (LCS-1)

QC Batch: 70700
Prep Batch: 60476

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.5	mg/Kg	1	100	<2.18	98	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	100	mg/Kg	1	100	<2.18	100	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70711
Prep Batch: 60553

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.7	mg/Kg	1	100	<2.18	99	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	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 70712
Prep Batch: 60554

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.4	mg/Kg	1	100	<2.18	98	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<2.18	102	85 - 115	4	20

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

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Laboratory Control Spike (LCS-1)

QC Batch: 70713
Prep Batch: 60555

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.9	mg/Kg	1	100	<2.18	98	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<2.18	102	85 - 115	4	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: 233300

QC Batch: 70684
Prep Batch: 60453

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10300	mg/Kg	100	10000	359	99	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	10500	mg/Kg	100	10000	359	101	85 - 115	2	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: 233310

QC Batch: 70685
Prep Batch: 60471

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10300	mg/Kg	100	10000	<218	102	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	10400	mg/Kg	100	10000	<218	103	85 - 115	1	20

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

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Matrix Spike (MS-1) Spiked Sample: 233320

QC Batch: 70686
Prep Batch: 60472

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10900	mg/Kg	100	10000	1380	95	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	11100	mg/Kg	100	10000	1380	97	85 - 115	2	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: 233330

QC Batch: 70692
Prep Batch: 60473

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	241	98	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	10300	mg/Kg	100	10000	241	100	85 - 115	2	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: 233340

QC Batch: 70693
Prep Batch: 60474

Date Analyzed: 2010-06-07
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	452	96	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	10400	mg/Kg	100	10000	452	99	85 - 115	3	20

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

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Matrix Spike (MS-1) Spiked Sample: 233350

QC Batch: 70699
Prep Batch: 60475

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10400	mg/Kg	100	10000	307	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10600	mg/Kg	100	10000	307	103	85 - 115	2	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: 233360

QC Batch: 70700
Prep Batch: 60476

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-03

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	<218	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10300	mg/Kg	100	10000	<218	103	85 - 115	2	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: 233370

QC Batch: 70711
Prep Batch: 60553

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10200	mg/Kg	100	10000	<218	102	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	10300	mg/Kg	100	10000	<218	103	85 - 115	1	20

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

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Matrix Spike (MS-1) Spiked Sample: 233380

QC Batch: 70712
Prep Batch: 60554

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9990	mg/Kg	100	10000	236	98	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	236	100	85 - 115	2	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: 233858

QC Batch: 70713
Prep Batch: 60555

Date Analyzed: 2010-06-08
QC Preparation: 2010-06-08

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/Kg	100	10000	<218	101	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10200	mg/Kg	100	10000	<218	102	85 - 115	1	20

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

Standard (ICV-1)

QC Batch: 70684

Date Analyzed: 2010-06-07

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.5	100	85 - 115	2010-06-07

Standard (CCV-1)

QC Batch: 70684

Date Analyzed: 2010-06-07

Analyzed By: AR

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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	2010-06-07

Standard (ICV-1)

QC Batch: 70685

Date Analyzed: 2010-06-07

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	2010-06-07

Standard (CCV-1)

QC Batch: 70685

Date Analyzed: 2010-06-07

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.9	100	85 - 115	2010-06-07

Standard (ICV-1)

QC Batch: 70686

Date Analyzed: 2010-06-07

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2010-06-07

Standard (CCV-1)

QC Batch: 70686

Date Analyzed: 2010-06-07

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2010-06-07

Standard (ICV-1)

QC Batch: 70692

Date Analyzed: 2010-06-07

Analyzed By: AR

Report Date: June 10, 2010
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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	2010-06-07

Standard (CCV-1)

QC Batch: 70692

Date Analyzed: 2010-06-07

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	2010-06-07

Standard (ICV-1)

QC Batch: 70693

Date Analyzed: 2010-06-07

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	2010-06-07

Standard (CCV-1)

QC Batch: 70693

Date Analyzed: 2010-06-07

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	2010-06-07

Standard (ICV-1)

QC Batch: 70699

Date Analyzed: 2010-06-08

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	2010-06-08

Standard (CCV-1)

QC Batch: 70699

Date Analyzed: 2010-06-08

Analyzed By: AR

Report Date: June 10, 2010
114-6400419

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.9	100	85 - 115	2010-06-08

Standard (ICV-1)

QC Batch: 70700

Date Analyzed: 2010-06-08

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	2010-06-08

Standard (CCV-1)

QC Batch: 70700

Date Analyzed: 2010-06-08

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	2010-06-08

Standard (ICV-1)

QC Batch: 70711

Date Analyzed: 2010-06-08

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2010-06-08

Standard (CCV-1)

QC Batch: 70711

Date Analyzed: 2010-06-08

Analyzed By: AR

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	2010-06-08

Standard (ICV-1)

QC Batch: 70712

Date Analyzed: 2010-06-08

Analyzed By: AR

Report Date: June 10, 2010
114-6400419

Work Order: 10060111
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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.9	99	85 - 115	2010-06-08

Standard (CCV-1)

QC Batch: 70712

Date Analyzed: 2010-06-08

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-06-08

Standard (ICV-1)

QC Batch: 70713

Date Analyzed: 2010-06-08

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2010-06-08

Standard (CCV-1)

QC Batch: 70713

Date Analyzed: 2010-06-08

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.8	99	85 - 115	2010-06-08

Order #: 10060111

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE:

OF: 9

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary / PDU #507

LAB I.D.
NUMBERDATE
2010

TIME

MATRIX
COMP.
GRAB
 Eddy Co., NM
 SAMPLE IDENTIFICATION

 NUMBER OF CONTAINERS
 FILTERED (Y/N)
PRESERVATIVE
METHOD

233298

5/26

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RELINQUISHED BY: (Signature)

 Date: 5/28/10
 Time: 1300

RECEIVED BY: (Signature)

 Date: _____
 Time: _____

SAMPLED BY: (Print & Initial)

Kim

 Date: 5/26/10
 Time: _____

RELINQUISHED BY: (Signature)

 Date: _____
 Time: _____

RECEIVED BY: (Signature)

 Date: _____
 Time: _____

SAMPLE SHIPPED BY: (Circle)

 FEDEX
 BUS
 HAND DELIVERED
 UPS

AIRBILL #: _____

OTHER: _____

RELINQUISHED BY: (Signature)

 Date: _____
 Time: _____

RECEIVED BY: (Signature)

 Date: _____
 Time: _____

TETRA TECH CONTACT PERSON:

Ike Tavares

Results by:

RUSH Charges

Authorized:

Yes No

RECEIVING LABORATORY:

ADDRESS:

CITY:

CONTACT:

TRACE

STATE:

TX

PHONE:

RECEIVED BY: (Signature)

DATE:

5/28/10

TIME:

1300

SAMPLE CONDITION WHEN RECEIVED:

3.6°C

REMARKS:

X All test Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10060111

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 9

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Taware

PROJECT NO.:

114-6100419

PROJECT NAME:

St Mary / POV #507

LAB I.D.
NUMBERDATE
2010

TIME

MATRIX

COMP

GRAB

233308

5/26

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Order #: 10060111

Analysis Request of Chain of Custody Record

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**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

 CLIENT NAME: St. Mary SITE MANAGER: Ike Tavares
 PROJECT NO.: 114-640 0419 PROJECT NAME: St Mary / PDW #507
Eddy Co., NM
 SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	Edly Co., NM SAMPLE IDENTIFICATION		NUMBER OF FILTERED (Y)	HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatile	TCLP Semi V	RCI	GC/MS Vol. 8	GC/MS Semi	PCB's 8080/8	Pest. 808/808	Chloride	Gamma Spec	Alpha Beta (A	PLM (Asbest	Major Anions		
233818	5/26		S	X		SB-3	10'	1			X														X						
319						SB-3	15'	1			X														X						
320						SB-3	20'	1			X														X						
321						SB-3	25'	1			X														X						
322						SB-3	30'	1			X														X						
323						SB-3	40'	1			X														X						
324						SB-4	1'	1			X															X					
325						SB-4	3'	1			X															X					
326						SB-4	5'	1			X															X					
327					SB-4	7'	1			X															X						

 RELINQUISHED BY: (Signature) [Signature] Date: 5/26/10
 Time: 1300

 RECEIVED BY: (Signature) _____ Date: _____
 Time: _____

 SAMPLED BY: (Print & Initial) Kim Date: 5/26/10
 Time: _____

 RELINQUISHED BY: (Signature) _____ Date: _____
 Time: _____

 RECEIVED BY: (Signature) _____ Date: _____
 Time: _____

 SAMPLE SHIPPED BY: (Circle)
 FEDEX ☒ BUS ☐
 HAND DELIVERED ☐ UPS ☐ AIRBILL #: _____
 OTHER: _____

 RELINQUISHED BY: (Signature) _____ Date: _____
 Time: _____

 RECEIVED BY: (Signature) _____ Date: _____
 Time: _____

 TETRA TECH CONTACT PERSON: _____ Results by: _____
Ike Tavares

 RECEIVING LABORATORY: TRACE
 ADDRESS: Midland STATE: TX ZIP: _____
 CONTACT: _____ PHONE: _____ DATE: 5-26-10 TIME: 13:00

 RECEIVED BY: (Signature) [Signature]
 DATE: 5-26-10 TIME: 13:00

 RUSH Charges Authorized: _____
 Yes No

 SAMPLE CONDITION WHEN RECEIVED: 3.6C
 REMARKS: _____

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 100100111

Analysis Request of Chain of Custody Record

PAGE: 4 OF: 9



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St. Mary

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400419

PROJECT NAME:

St. Mary / PDU # 507

Eddy Co, NM
SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB		NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD				BTX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/808	Pest. 808/808	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
									HCL	HNO3	ICE	NONE																	
233328	5/20		S	X		SB-4 10'	1				X														X				
329						SB-4 15'	1				X														X				
330						SB-4 20'	1				X														X				
331						SB-4 30'	1				X														X				
332						SB-4 40'	1				X														X				
333						SB-5 1'	1				X														X				
334						SB-5 3'	1				X														X				
335						SD-5 5'	1				X														X				
336						SD-5 7'	1				X														X				
337						SB-5 10'	1				X														X				

RELINQUISHED BY: (Signature)

Date: 5/20/10

Time: 1300

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLED BY: (Print & Initial)

Kim

Date: 5/20/10

Time: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX
HAND DELIVERED
BUS
UPS

AIRBILL #: _____

OTHER: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Ike Tavares

Results by:

RUSH Charges

Authorized:

Yes No

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

CONTACT:

TRACE

STATE: TX

ZIP: _____

PHONE: _____

RECEIVED BY: (Signature)

DATE: 5-20-10

TIME: 1300

SAMPLE CONDITION WHEN RECEIVED:

3.6°C

REMARKS:

Order #: 10060111

Analysis Request of Chain of Custody Record

PAGE: 5 OF: 9

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary / PDU #507

Eddy Co., NM
SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	Eddy Co., NM SAMPLE IDENTIFICATION					NUMBER OF	FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8021E	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi	RCI	GC/MS Vol.	GC/MS Semi	PCB's 8080	Pest. 808/816	Chlorides	Gamma Spec	Alpha Beta	PLM (Asbestos)	Major Anions/Cations
233338	5/26		S		X	SB-5	15'							X														X					
339	5/27					SB-5	20'							X														X					
340						SB-5	30'							X														X					
341						SB-6	1'							X														X					
342						SB-6	3'							X														X					
343						SB-6	5'							X														X					
344						SB-6	7'							X													X						
345						SB-6	10'							X													X						
346						SB-6	15'							X													X						
347						SB-6	20'							X													X						

RELINQUISHED BY: (Signature)

Date: 5/28/10

Time: 1300

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLED BY: (Print & Initial)

Kim

Date: 5/27/10

Time: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #: _____

HAND DELIVERED

UPS

OTHER: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Ike Tavares

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: TX

ZIP: _____

CONTACT:

PHONE: _____

RECEIVED BY: (Signature)

DATE: 5.28.10

TIME: 1300

SAMPLE CONDITION WHEN RECEIVED:

3.6°C

REMARKS:

RUSH Charges Authorized:

Yes

No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10060111

Analysis Request of Chain of Custody Record

PAGE: 6 OF: 9

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Tawarez

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary / PDU #507

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

Edley Co., NM
SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE
METHOD

HCL

HNO3

ICE

NONE

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

233848

5/27

S

X

SB-6 25'

349

SB-6 30'

350

SB-7 1'

351

SB-7 3'

352

SB-7 5'

353

SB-7 7'

354

SB-7 10'

355

SB-7 15'

356

SB-7 20'

357

SB-7 25'

RELINQUISHED BY: (Signature)

Date: 5/28/10

Time: 1200

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLED BY: (Print & Initial)

Kim

Date: 5/27/10

Time: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX ☒ BUS ☐ UPS ☐

AIRBILL #:

OTHER: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Ike Tawarez

Results by:

RUSH Charges
Authorized:

Yes

No

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: TX

ZIP: _____

CONTACT:

PHONE: _____

RECEIVED BY: (Signature)

DATE: 5-28-10

TIME: 13:00

SAMPLE CONDITION WHEN RECEIVED:

3.6°C

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10060111

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 7 OF: 9

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary / PDU #507

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B

TPH 8015 MOD. TX1005 [Ext. to C35]

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Vr Pd Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/625

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

233358

5/27

S

X

SB-7 30'

1

X

359

SB-7 35'

1

X

360

SB-7 40'

1

X

361

SB-8 1'

1

X

362

SB-8 3'

1

X

363

SB-8 5'

1

X

364

SB-8 7'

1

X

365

SB-8 10'

1

X

Order #10060111

Analysis Request of Chain of Custody Record

PAGE: 8 OF: 9

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

St Mary

SITE MANAGER:

Ike Tavares

PROJECT NO.:

114-6400419

PROJECT NAME:

St Mary / PDU #507

Eddy G., NM

SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	Eddy G., NM SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi	RCI	GC/MS Vol. 1	GC/MS Semi	PCB's 8080/	Pest. 808/808	Chloride	Gamma Spec.	Alpha Beta (	PLM (Asbes	Major Anion
233368	5/27		S	X		SB-8 25'	1			X														X				
369						SB-8 30'	1			X														X				
370						SB-8 35'	1			X														X				
371						SB-8 40'	1			X														X				
372						SB-9 1'	1			X														X				
373						SB-9 3'	1			X														X				
374						SB-9 5'	1			X														X				
375						SB-9 7'	1			X														X				
376						SB-9 10'	1			X														X				
377						SB-9 15'	1			X														X				

RELINQUISHED BY: (Signature)

Date: 5/27/10

Time: 1:00

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLED BY: (Print & Initial)

Kim

Date: 5/27/10

Time: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Ike Tavares

OTHER: _____

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE: TX

ZIP: _____

CONTACT:

PHONE: _____

RECEIVED BY: (Signature)

DATE: 5-28-10

TIME: 12:00

SAMPLE CONDITION WHEN RECEIVED:

3.6" C

REMARKS:

Results by:

RUSH Charges

Authorized:

Yes No

