

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 Williams Production	Contact Michael K. Lane	
Address PO Box 640	Telephone No. 505-634-4219	
Facility Name Rosa Unit #125 (API: 30-039-25144)	Facility Type Well Site	
Surface Owner BLM	Mineral Owner BLM	Lease No.

LOCATION OF RELEASE

Unit Letter B	Section 13	Township 31 N	Range 06W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude 36.90431 Longitude -107.41185

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release ~8 BBL	Volume Recovered None
Source of Release Check valve hung open at separator	Date and Hour of Occurrence 02/22/11 Noon	Date and Hour of Discovery Same
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? James Valenzuela, NMOCD Inspector (found spill), Kevin Schnieder BLM	
By Whom? NA	Date and Hour email others	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.

Describe Cause of Problem and Remedial Action Taken. Check valve broke due to freezing allowed water to backflow from tank. 6-8 bbls for produced water spilled on ground and water ponded on location and some flowed to adjacent Rosa #220 location. Leak discovered by NMOCD inspector. Immediate corrective actions involved, repairing broken valve, recovering liquids from puddles by vac truck and returning liquids to production tanks for disposal. Produced water mixed with snow melt recovered volume unknown. Soil samples taken of spill area to assess impact.

Describe Area Affected and Cleanup Action Taken. Impacted area within active operating portion of well pads. No remediation action taken until wells remediated during P&A.

Criteria	Site Condition			Ranking Score
Depth to Groundwater	>100 (Cathodic)			0
Wellhead Protection Area	None			0
Surface Water Body	>1000 ft			0
Total Ranking				0
Lab	Results	Results	Results	RAL
	Tail	Mid	Sep	
Benzene (ppb)	ND	ND	ND	10,000
BTEX (ppb)	ND	ND	ND	50,000
TPH by EPA - 8015m (ppm)	3.2	ND	ND	5000
Cl (ppm)	700	170	240	
Conductivity (umhos/cm)	1050	705	569	
pH (su)	7.14	7.81	8.28	



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: Michael K. Lane	Approved by District Supervisor:		
Title: SJB EH&S Specialist	Approval Date: 3/24/11	Expiration Date:	
E-mail Address: myke.lane@williams.com	Conditions of Approval:		Attached ☐
Date: 3/18/11	Phone: (505) 330-3198	NJK1122148384	

* Attach Additional Sheets If Necessary

- 1) Provide an approximate scale
- 2) Show north direction.
- 3) Include well or other fixed marker.

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

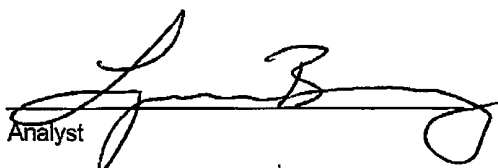
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Sample ID:	125-Tail	Date Reported:	02-28-11
Laboratory Number:	57371	Date Sampled:	02-24-11
Chain of Custody No:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Extracted:	02-28-11
Preservative:	Cool	Date Analyzed:	02-28-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.1	0.2
Diesel Range (C10 - C28)	0.1	0.1
Total Petroleum Hydrocarbons	3.2	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Rosa 125 Spill**


Analyst
Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

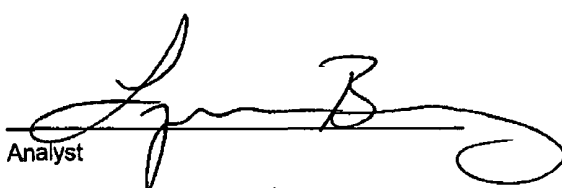
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Sample ID:	125-Sep	Date Reported:	02-28-11
Laboratory Number:	57372	Date Sampled:	02-24-11
Chain of Custody No:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Extracted:	02-28-11
Preservative:	Cool	Date Analyzed:	02-28-11
Condition:	Intact	Analysis Requested:	8015 TPH

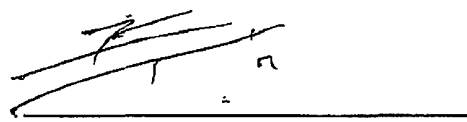
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Rosa 125 Spill**


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

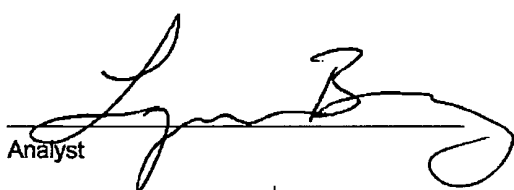
Client:	WPX	Project #:	04108-0136
Sample ID:	125-Mid	Date Reported:	02-28-11
Laboratory Number:	57373	Date Sampled:	02-24-11
Chain of Custody No:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Extracted:	02-28-11
Preservative:	Cool	Date Analyzed:	02-28-11
Condition:	Intact	Analysis Requested:	8015 TPH

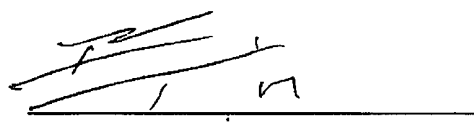
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Rosa 125 Spill**


Analyst


Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-28-11 QA/QC	Date Reported:	02-28-11
Laboratory Number:	57365	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-28-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	02-28-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	02-28-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1

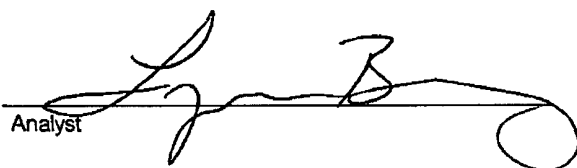
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

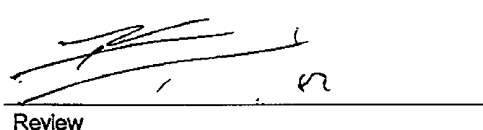
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	258	103%	75 - 125%
Diesel Range C10 - C28	ND	250	253	101%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 57364-57365, 57367-57373, 57394

Analyst 

Review 

Client:	WPX	Project #:	04108-0136
Sample ID:	125-Tail	Date Reported:	02-28-11
Laboratory Number:	57371	Date Sampled:	02-24-11
Chain of Custody:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Analyzed:	02-28-11
Preservative:	Cool	Date Extracted:	02-28-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

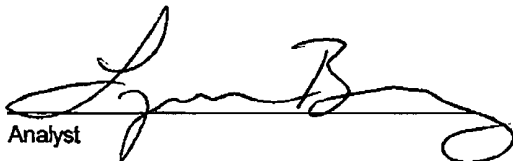
ND - Parameter not detected at the stated detection limit.

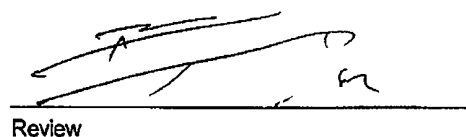
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	93.9 %
	1,4-difluorobenzene	93.6 %
	Bromochlorobenzene	102 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Rosa 125 Spill


 Analyst


 Review

Client:	WPX	Project #:	04108-0136
Sample ID:	125-Sep	Date Reported:	02-28-11
Laboratory Number:	57372	Date Sampled:	02-24-11
Chain of Custody:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Analyzed:	02-28-11
Preservative:	Cool	Date Extracted:	02-28-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

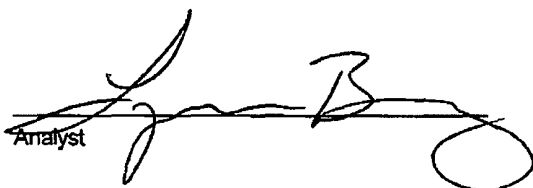
ND - Parameter not detected at the stated detection limit.

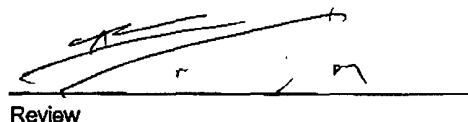
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	87.0 %
	1,4-difluorobenzene	90.9 %
	Bromochlorobenzene	107 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Rosa 125 Spill


 Analyst


 Review

Client:	WPX	Project #:	04108-0136
Sample ID:	125-Mid	Date Reported:	02-28-11
Laboratory Number:	57373	Date Sampled:	02-24-11
Chain of Custody:	11242	Date Received:	02-25-11
Sample Matrix:	Soil	Date Analyzed:	02-28-11
Preservative:	Cool	Date Extracted:	02-28-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

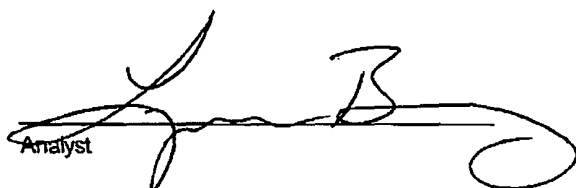
ND - Parameter not detected at the stated detection limit.

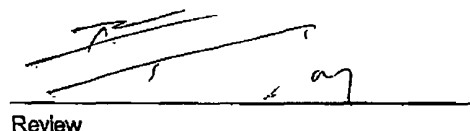
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.7 %
	1,4-difluorobenzene	89.3 %
	Bromochlorobenzene	105 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Rosa 125 Spill


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	0228BBLK QA/QC	Date Reported:	02-28-11
Laboratory Number:	57364	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-28-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	% Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	1.3918E+005	1.3946E+005	0.2%	ND	0.1
Toluene	1.5480E+005	1.5511E+005	0.2%	ND	0.1
Ethylbenzene	1.3348E+005	1.3375E+005	0.2%	ND	0.1
p,m-Xylene	3.0206E+005	3.0266E+005	0.2%	ND	0.1
o-Xylene	1.3017E+005	1.3043E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	% Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	536	107%	39 - 150
Toluene	ND	500	520	104%	46 - 148
Ethylbenzene	ND	500	516	103%	32 - 160
p,m-Xylene	ND	1000	1,040	104%	46 - 148
o-Xylene	ND	500	501	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 57364-57365, 57367-57368, 57370-57373, 57254, 57260

Analyst

Review

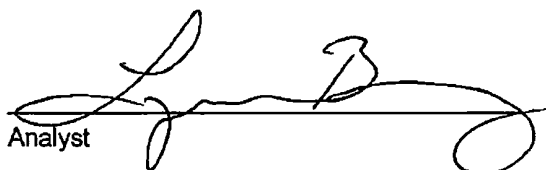
Client:	WPX	Project #:	04108-0136
Sample ID:	125-Tail	Date Reported:	02/28/11
Lab ID#:	57371	Date Sampled:	02/24/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11242

Parameter	Concentration (mg/Kg)
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Total Chloride**700**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Rosa 125 Spill**


Analyst
Review

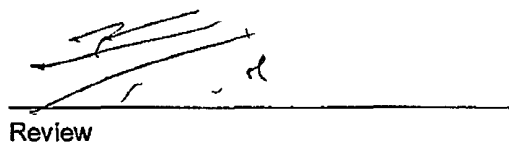
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Sample ID:	125-SEP	Date Reported:	02/28/11
Lab ID#:	57372	Date Sampled:	02/24/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11242

Parameter	Concentration (mg/Kg)
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Total Chloride**240**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Rosa 125 Spill**


Analyst
Review

Client:	WPX	Project #:	04108-0136
Sample ID:	125-Mid	Date Reported:	02/28/11
Lab ID#:	57373	Date Sampled:	02/24/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11242

Parameter	Concentration (mg/Kg)
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Total Chloride**170**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Rosa 125 Spill**


Analyst
Review



Client:	WPX	Project #:	04108-0136
Sample ID:	125-Tail	Date Reported:	03/01/11
Laboratory Number:	57371	Date Sampled:	02/24/11
Chain of Custody:	11242	Date Received:	02/25/11
Sample Matrix:	Solid Extract	Date Extracted:	02/28/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact		

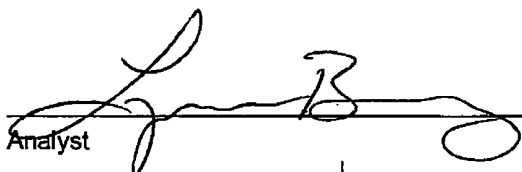
Parameter	Analytical Result	Units
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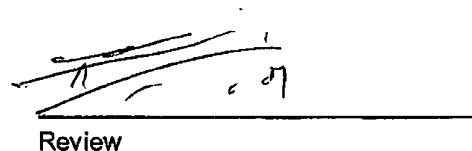
Conductivity @ 25° C	1,050	umhos/cm
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pH	7.14	
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Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **Rosa 125 Spill**


Analyst

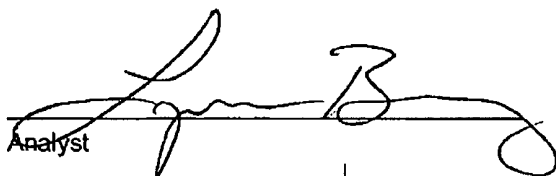
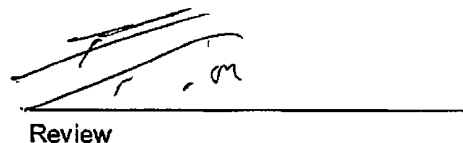

Review

Client:	WPX	Project #:	04108-0136
Sample ID:	125-SEP	Date Reported:	03/01/11
Laboratory Number:	57372	Date Sampled:	02/24/11
Chain of Custody:	11242	Date Received:	02/25/11
Sample Matrix:	Solid Extract	Date Extracted:	02/28/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	705	umhos/cm
pH	7.81	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: Rosa 125 Spill


Analyst
Review

Client:	WPX	Project #:	04108-0136
Sample ID:	125-Mid	Date Reported:	03/01/11
Laboratory Number:	57373	Date Sampled:	02/24/11
Chain of Custody:	11242	Date Received:	02/25/11
Sample Matrix:	Solid Extract	Date Extracted:	02/28/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact		

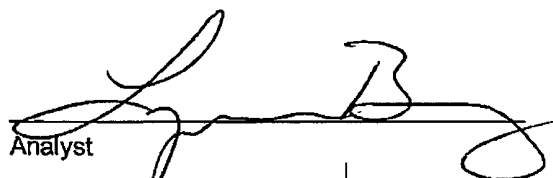
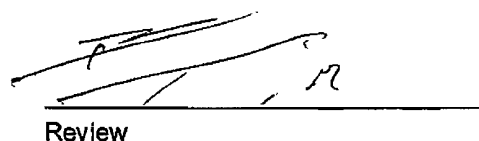
Parameter	Analytical Result	Units
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Conductivity @ 25° C	569	umhos/cm
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pH	8.28	
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Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **Rosa 125 Spill**


Analyst
Review

CHAIN OF CUSTODY RECORD

11242

Client: W/PX			Project Name / Location: ROSA 125 SPILL			ANALYSIS / PARAMETERS														
Client Address: /			Sampler Name: MATT BAYSE			TPH (Method 8015) ☒ BTEX (Method 8021) ☒ VOC (Method 8260) ☒ RCRA 8 Metals ☐ Cation / Anion ☐ RCI ☐ TCLP with H/P ☐ PAH ☐ TPH (418.1) ☐ CHLORIDE ☒ EC & P ☒ Sample Cool ☐ Sample Intact ☐														
Client Phone No.: /			Client No.: 04108-0136																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	EC & P	Sample Cool	Sample Intact	
125-TAIL	2/24	-	57371	Soil Solid	1		N	✓	✓							✓	✓	✓	✓	
125-SEP	2/24	-	57372	Soil Solid	1		N	✓	✓							✓	✓	✓	✓	
125-MID	2/24	-	57373	Soil Solid	1		N	✓	✓							✓	✓	✓	✓	
				Soil Solid																
				Soil Solid																
				Soil Solid																
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				Soil Solid																
				Soil Solid																
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date			Time									
			2/25/11	1251				2/25/11			12:51									
Relinquished by: (Signature)					Received by: (Signature)															
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