

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

State of New Mexico
Energy Minerals and Natural Resources

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

SEP 2006

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

30-043-20814

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Questar Exploration &	Contact	Dave Nelsen
Address	Box 1656 Cortez, Co 81321 Prod	Telephone No.	970-564-9231
Facility Name	Alamito #3 Flow Line	Facility Type	Oil & Gas Production
Surface Owner	State of NM	Mineral Owner	State of NM/Questar
		Lease No.	00016172

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	32	23N	7W	1980	North	760	West	Sandoval

Latitude _____ Longitude _____

NATURE OF RELEASE Est

Type of Release	Oil & Gas	Volume of Release	5.7 Bbls	Volume Recovered	Est 1 Bbl
Source of Release	Parted Flow Line	Date and Hour of Occurrence	9/11/06	Date and Hour of Discovery	9/11/06
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	BLM Oscar Torres	9:30am	
By Whom?	Dave Nelsen (QEP)	NMOCD	Brandon Powell		
Was a Watercourse Reached?	☒ Yes ☐ No	Date and Hour	9/11/06 10:20 am		
		If YES, Volume Impacting the Watercourse.	5.7 Bbls		

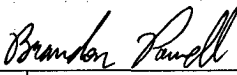
If a Watercourse was Impacted, Describe Fully.* Because the spill occurred in the wash and during the flash flood, all but 1 Bbl of oil was dispersed.

Describe Cause of Problem and Remedial Action Taken.* During the heavy flash flood the water eroded the bank of the wash and exposed the buried flow line causing it to part. Well and flow line were shut in - oil absorbant booms and pads were placed to contain and remove remaining residue oil.

Describe Area Affected and Cleanup Action Taken.* Down stream of the break approx 1/4 mi., 4-20' x 40' +/- & 3-3' x 30' +/- areas had remaining residue oil either floating or on mud. Hand crews will continue clean up utilizing rakes, shovels & oil absorbant material. Nitrified fertilizer will be spread & raked in where residual

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. (cont'd) oil remains.

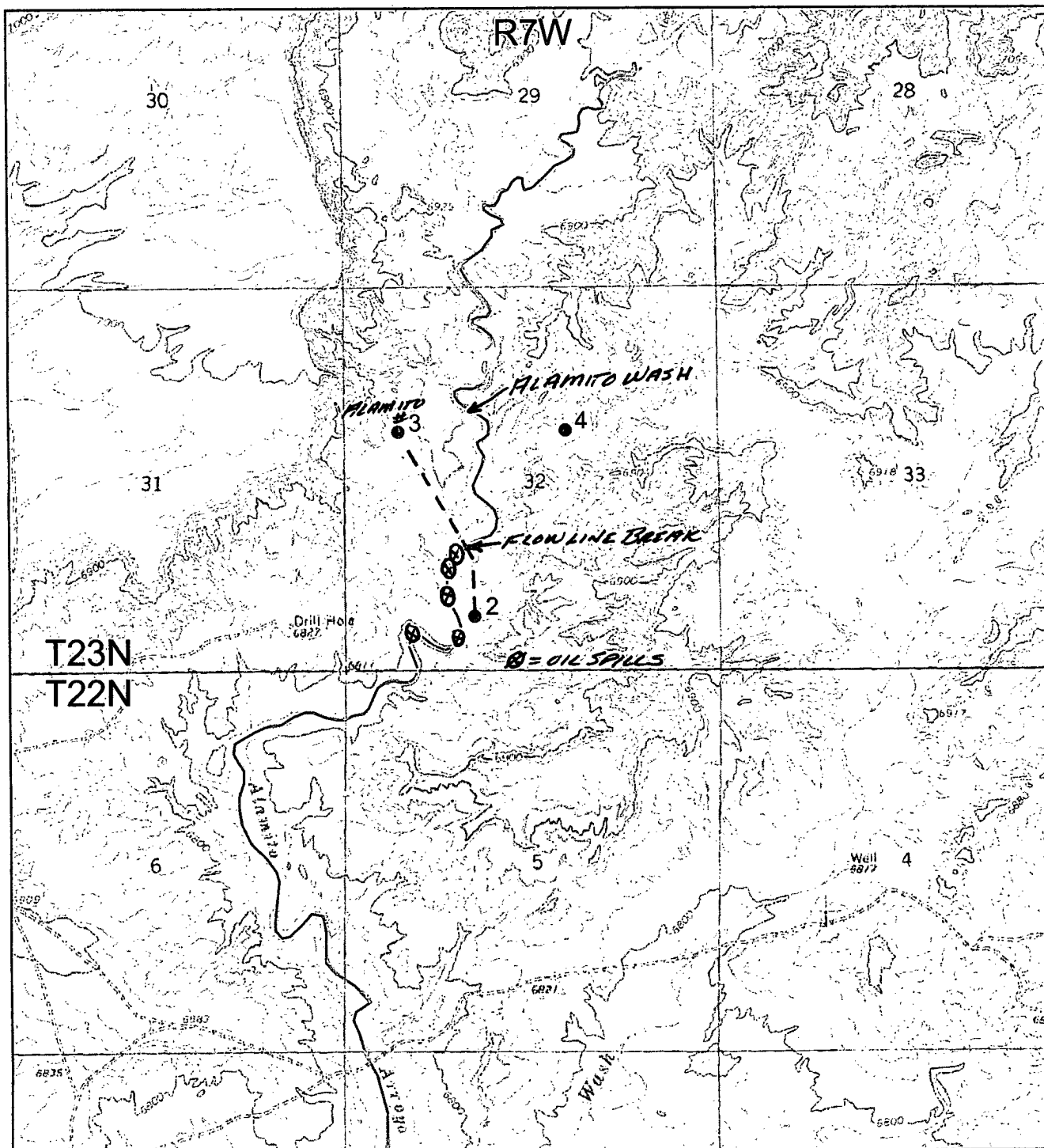
OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:  For: Charlie Perrin	
Printed Name: David E. Nelsen	Approval Date: 9/18/06	Expiration Date:
Title: District Foreman	Conditions of Approval:	Attached ☐
E-mail Address: David.Nelsen@questar.com		
Date: Sept. 13, 2006 Phone: 970-564-9231		

* Attach Additional Sheets If Necessary

n8P0628332310

14



1000 0 1000 2000 3000 FT

QUESTAR

Alamito Unit Wells 2, 3, & 4
Relative to Alamito Arroyo
Sandoval County, New Mexico

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 19, 2006

Mr. Kelly Roberts
State of New Mexico
Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Client No.: 03074-001

Dear Mr. Roberts,

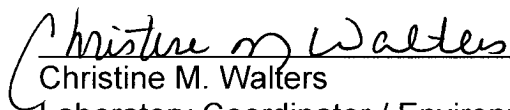
Enclosed are the analytical results for the samples collected from the location designated as "Alamito #3". Four soil samples were collected by Questar E & P designated personnel on 9/14/06, and received by the Envirotech laboratory on 9/15/06 for Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 and BTEX per USEPA Method 8021.

The samples were documented on Envirotech Chain of Custody No. 1452 and assigned Laboratory Nos. 38447 (Sample #1), 38448 (Sample #2), 38449 (Sample #3) and 38450 (Sample #4) for tracking purposes.

The samples were analyzed on 9/18/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #1	Date Reported:	09-18-06
Laboratory Number:	38447	Date Sampled:	09-14-06
Chain of Custody No:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Extracted:	09-18-06
Preservative:	Cool	Date Analyzed:	09-18-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

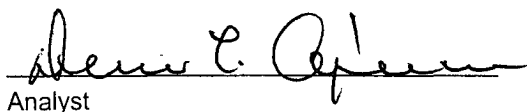
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

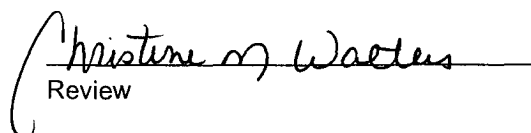
ND - Parameter not detected at the stated detection limit.

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

Comments: **Alamito #3**




Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #2	Date Reported:	09-18-06
Laboratory Number:	38448	Date Sampled:	09-14-06
Chain of Custody No:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Extracted:	09-18-06
Preservative:	Cool	Date Analyzed:	09-18-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

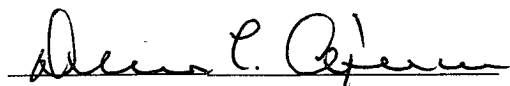
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.4	0.1
Total Petroleum Hydrocarbons	0.4	0.2

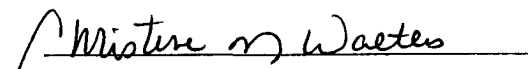
ND - Parameter not detected at the stated detection limit.

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

Comments: **Alamito #3**




Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #3	Date Reported:	09-18-06
Laboratory Number:	38449	Date Sampled:	09-14-06
Chain of Custody No:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Extracted:	09-18-06
Preservative:	Cool	Date Analyzed:	09-18-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

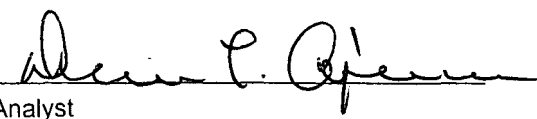
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

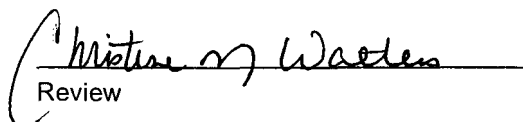
ND - Parameter not detected at the stated detection limit.

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

Comments: **Alamito #3**




Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #4	Date Reported:	09-18-06
Laboratory Number:	38450	Date Sampled:	09-14-06
Chain of Custody No:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Extracted:	09-18-06
Preservative:	Cool	Date Analyzed:	09-18-06
Condition:	Cool and 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	0.2

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: **Alamito #3**



Allen C. Apur
Analyst

Christine M. Wadley
Review

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-18-06 QA/QC	Date Reported:	09-18-06
Laboratory Number:	38447	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-18-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	1.0058E+003	1.0068E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9636E+002	9.9835E+002	0.20%	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
Total Petroleum Hydrocarbons	ND	0.2

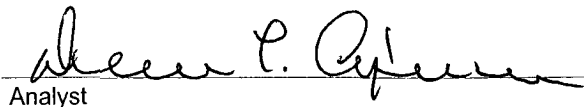
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

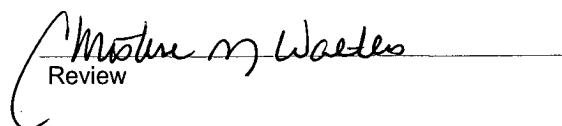
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

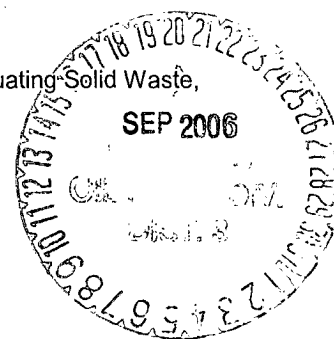
ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 38447 - 38452


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #1	Date Reported:	09-18-06
Laboratory Number:	38447	Date Sampled:	09-14-06
Chain of Custody:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Analyzed:	09-18-06
Preservative:	Cool	Date Extracted:	09-18-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

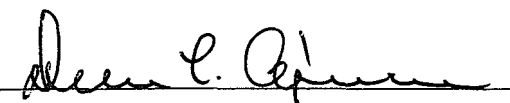
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

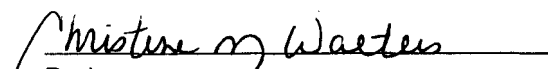
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Alamito #3




Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #2	Date Reported:	09-18-06
Laboratory Number:	38448	Date Sampled:	09-14-06
Chain of Custody:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Analyzed:	09-18-06
Preservative:	Cool	Date Extracted:	09-18-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.0	1.8
Toluene	ND	1.7
Ethylbenzene	3.1	1.5
p,m-Xylene	17.4	2.2
o-Xylene	2.5	1.0
Total BTEX	25.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

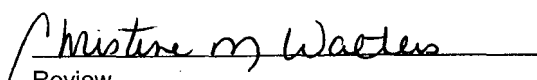
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Alamito #3




Analyst


Review

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #3	Date Reported:	09-18-06
Laboratory Number:	38449	Date Sampled:	09-14-06
Chain of Custody:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Analyzed:	09-18-06
Preservative:	Cool	Date Extracted:	09-18-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	14.3	2.2
o-Xylene	2.6	1.0
Total BTEX	16.9	

ND - Parameter not detected at the stated detection limit.

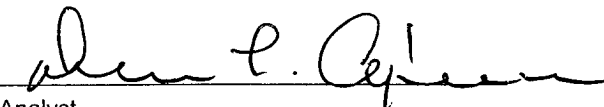
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

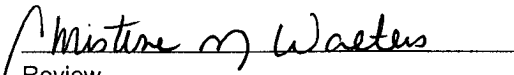
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Alamito #3




Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Questar	Project #:	03074-001
Sample ID:	Sample #4	Date Reported:	09-18-06
Laboratory Number:	38450	Date Sampled:	09-14-06
Chain of Custody:	1452	Date Received:	09-15-06
Sample Matrix:	Soil	Date Analyzed:	09-18-06
Preservative:	Cool	Date Extracted:	09-18-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	16.7	2.2
o-Xylene	5.5	1.0
Total BTEX	22.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

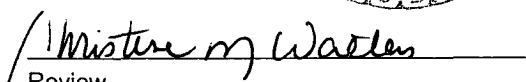
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Alamito #3




Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-18-BTEX QA/QC	Date Reported:	09-18-06
Laboratory Number:	38447	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-18-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	3.9042E+007	3.9120E+007	0.2%	ND	0.2
Toluene	5.1150E+007	5.1253E+007	0.2%	ND	0.2
Ethylbenzene	2.1788E+007	2.1832E+007	0.2%	ND	0.2
p,m-Xylene	8.9036E+007	8.9215E+007	0.2%	ND	0.2
o-Xylene	4.0239E+007	4.0319E+007	0.2%	ND	0.1

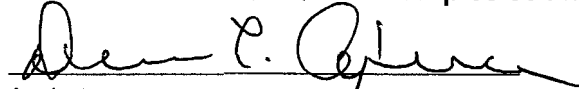
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

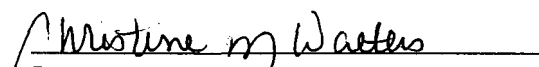
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	50.0	100.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

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 Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 38447 - 38452


Analyst


Review



1452

san juan reproduction 578-129