

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-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address: _____		
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>		
Facility or well name: <u>CASE B #2</u> API #: <u>30-045- 10864</u> U/L or Qtr/Qtr <u>M</u> Sec <u>8</u> T <u>31N</u> R <u>11W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.90865</u> Longitude <u>108.01968</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> <u>SEPARATOR (II)</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u> Liner type. Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> If not, explain why not. _____	RCVD APR5'07 OIL CONS. DIV. DIST. 3
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)	0
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points)	0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)	0
Ranking Score (Total Points)		0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5)

Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments	<u>PIT LOCATED APPROXIMATELY 153 FT. N46E FROM WELL HEAD.</u>
PIT EXCAVATION: WIDTH	<u>N/A ft.</u> , LENGTH <u>N/A ft.</u> , DEPTH <u>N/A ft.</u>
PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/>	LANDFARM: <input type="checkbox"/> , COMPOST: <input type="checkbox"/> , STOCKPILE: <input type="checkbox"/> , OTHER <input type="checkbox"/> (explain)
Cubic yards:	<u>N/A</u>
<u>BEDROCK BOTTOM.</u>	

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 06/12/06

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature [Signature]


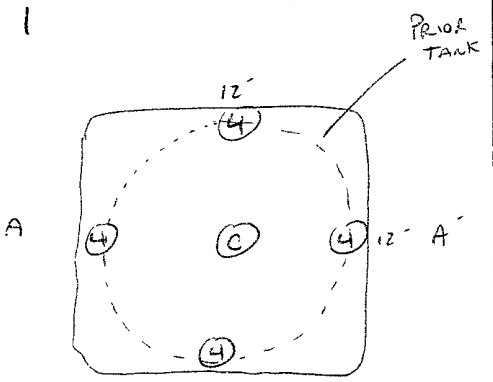
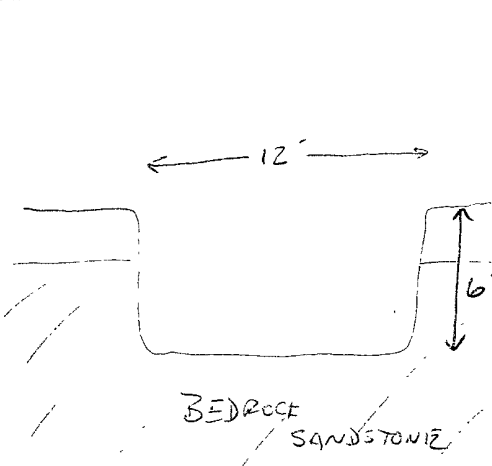
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Deputy Oil & Gas Inspector,
District #3

Signature [Signature]

Date: AUG 09 2007

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1232</u> COCR NO: <u>1056</u>																																																																																							
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																																																							
LOCATION: NAME: <u>CASE B</u> WELL #: <u>2</u> TYPE: <u>SEP (II)</u> QUAD/UNIT: <u>M</u> SEC: <u>B</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>990 FSL x 990 FWL</u> ^{SW/SE} CONTRACTOR: <u>HDI (EDGAR)</u>		DATE STARTED: <u>6/7/06</u> DATE FINISHED: <u>6/7/06</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																																																							
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u> DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u> LAND USE: <u>RANGE-BLM</u> LEASE: <u>SF-078095</u> FORMATION: <u>MV (PXA Well)</u>																																																																																									
FIELD NOTES & REMARKS: <u>PIT LOCATED APPROXIMATELY 153 FT. N46E FROM WELLHEAD.</u> DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																																																									
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ: = <u>53.6</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>1400</u> am/pm DATE: <u>6/7/06</u>																																																																																							
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / <u>OTHER</u> <u>BEDROCK SANDSTONE</u> SOIL COLOR: _____ COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / <u>HIGHLY COHESIVE</u> CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> NO EXPLANATION - <u>V. MINOR GRAY</u> HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - <u>V.V. MINOR</u> SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>12'x12'x6" DEEP PIT W/ 95 BBL STEEL TANK, SET IN BEDROCK SANDSTONE. USE BACKHOE TO REMOVE TANK & COLLECT SAMPLES</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <u>BEDROCK BOTTOM</u> </div>																																																																																									
FIELD 418.1 CALCULATIONS																																																																																									
SCALE  0 10 FT N	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																																																
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

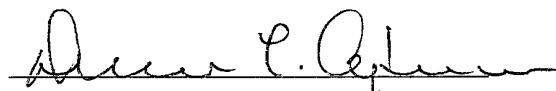
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - 4 Pt @ 6'	Date Reported:	06-12-06
Laboratory Number:	37366	Date Sampled:	06-07-06
Chain of Custody No:	1056	Date Received:	06-09-06
Sample Matrix:	Soil	Date Extracted:	06-09-06
Preservative:	Cool	Date Analyzed:	06-12-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

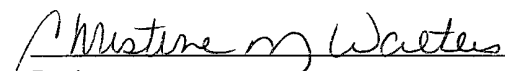
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Case B #2.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - 4 Pt @ 6'	Date Reported:	06-12-06
Laboratory Number:	37366	Date Sampled:	06-07-06
Chain of Custody:	1056	Date Received:	06-09-06
Sample Matrix:	Soil	Date Analyzed:	06-12-06
Preservative:	Cool	Date Extracted:	06-09-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6.9	1.8
Toluene	4.5	1.7
Ethylbenzene	3.2	1.5
p,m-Xylene	12.0	2.2
o-Xylene	1.0	1.0
Total BTEX	27.6	

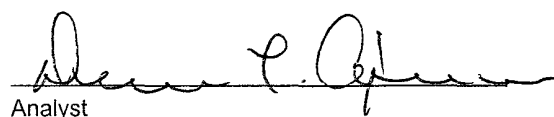
ND - Parameter not detected at the stated detection limit.

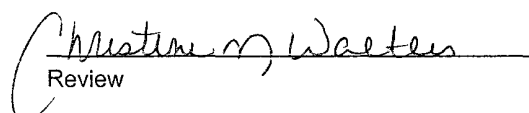
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Case B #2.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - 4 Pt @ 6'	Date Reported:	06-12-06
Lab ID#:	37366	Date Sampled:	06-07-06
Sample Matrix:	Soil	Date Received:	06-09-06
Preservative:	Cool	Date Analyzed:	06-09-06
Condition:	Cool and Intact	Chain of Custody:	1056

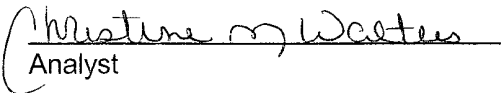
Parameter	Concentration (mg/Kg)
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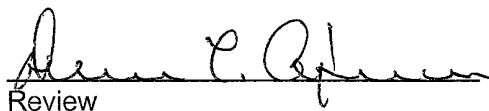
Total Chloride

98.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Case B #2.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

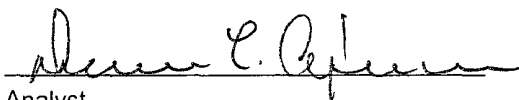
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - C @ 6'	Date Reported:	06-12-06
Laboratory Number:	37365	Date Sampled:	06-07-06
Chain of Custody No:	1056	Date Received:	06-09-06
Sample Matrix:	Soil	Date Extracted:	06-09-06
Preservative:	Cool	Date Analyzed:	06-12-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

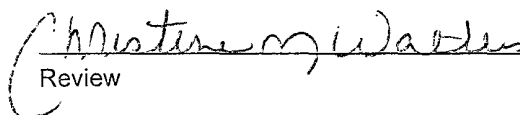
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.3	0.2

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: **Case B #2.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - C @ 6'	Date Reported:	06-12-06
Laboratory Number:	37365	Date Sampled:	06-07-06
Chain of Custody:	1056	Date Received:	06-09-06
Sample Matrix:	Soil	Date Analyzed:	06-12-06
Preservative:	Cool	Date Extracted:	06-09-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6.3	1.8
Toluene	2.9	1.7
Ethylbenzene	12.8	1.5
p,m-Xylene	173	2.2
o-Xylene	46.9	1.0
Total BTEX	242	

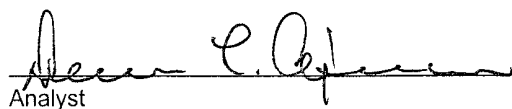
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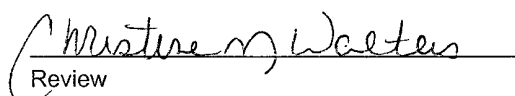
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Case B #2.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Sep - C @ 6'	Date Reported:	06-12-06
Lab ID#:	37365	Date Sampled:	06-07-06
Sample Matrix:	Soil	Date Received:	06-09-06
Preservative:	Cool	Date Analyzed:	06-09-06
Condition:	Cool and Intact	Chain of Custody:	1056

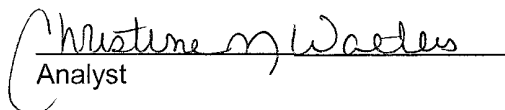
Parameter	Concentration (mg/Kg)
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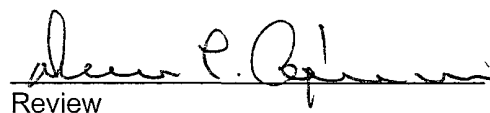
Total Chloride

110

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Case B #2.


Analyst


Review

CHAIN OF CUSTODY RECORD

1056

Client / Project Name SIAGE/BP			Project Location CASE B #2		ANALYSIS / PARAMETERS								
Sampler: J-C 8699			Client No. 94034-010		No. of Containers	TAM	BTEX	CL-				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
SEP - C06'	6/7/06	1440	37365	SOIL	1	X	X	X					
SEP - 4 ft 06'	"	1445	37366	"	1	X	X	X					
DEPT - C06'	"	1500	37367	"	1	X	X	X					
DEPT - 4 ft 06'	"	1510	37368	"	1	X	X	X					
			37369 PW										
Relinquished by: (Signature) J-C 8699			Date 6/9/06	Time 0708	Received by: (Signature) [Signature]			Date 6/9/06	Time 0708				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

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:	06-12-06 QA/QC	Date Reported:	06-12-06
Laboratory Number:	37365	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-12-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0085E+003	1.0095E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0061E+003	1.0081E+003	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	0.3	0.3	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

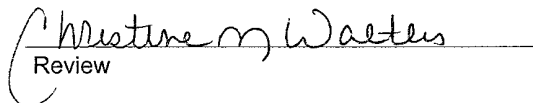
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.3	250	250	99.8%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 37365 - 37368, 37370.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-12-BTEX QA/QC	Date Reported:	06-12-06
Laboratory Number:	37365	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-12-06
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	5.2432E+007	5.2538E+007	0.2%	ND	0.2
Toluene	6.1534E+007	6.1658E+007	0.2%	ND	0.2
Ethylbenzene	3.3361E+007	3.3428E+007	0.2%	ND	0.2
p,m-Xylene	1.1962E+008	1.1986E+008	0.2%	ND	0.2
o-Xylene	5.6041E+007	5.6154E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	6.3	6.3	0.0%	0 - 30%	1.8
Toluene	2.9	2.9	0.0%	0 - 30%	1.7
Ethylbenzene	12.8	12.7	0.8%	0 - 30%	1.5
p,m-Xylene	173	172	0.4%	0 - 30%	2.2
o-Xylene	46.9	46.8	0.2%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.3	50.0	56.2	99.8%	39 - 150
Toluene	2.9	50.0	52.8	99.8%	46 - 148
Ethylbenzene	12.8	50.0	62.8	100.0%	32 - 160
p,m-Xylene	173	100	272	99.7%	46 - 148
o-Xylene	46.9	50.0	96.7	99.8%	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 37365 - 37368, 37370.

Analyst

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