

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

Form C-144  
June 1, 2004

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

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>ELLIOTT GC Y #1</u> API #: <u>30-045- 22931</u> U/L or Qtr/Qtr <u>H</u> Sec <u>9</u> T <u>30N</u> R <u>9W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.82871</u> Longitude <u>107.78001</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"/>		
<b>RCVD APR5'07</b>		
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEPARATOR</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	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: <u>NO</u> Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> If not, explain why not. _____	<b>OIL CONS. DIV.</b> <b>DIST. 3</b>
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) <b>0</b> ( 0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) ( 0 points) <b>0</b>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) <b>0</b> ( 0 points)
<b>Ranking Score (Total Points)</b>		<b>0</b>

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 81 FT. S88E FROM WELL HEAD.</u>
PIT EXCAVATION:	<u>WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
PIT REMEDIATION:	<u>CLOSE AS IS: <input checked="" type="checkbox"/> LANDFARM: <input type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</u>
Cubic yards:	<u>N/A</u>


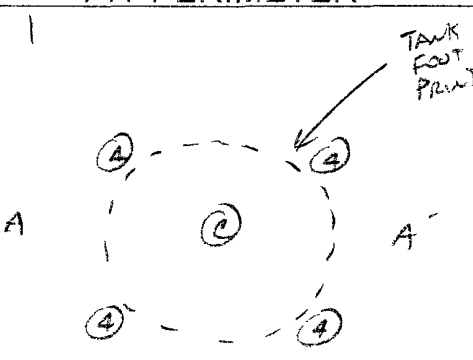
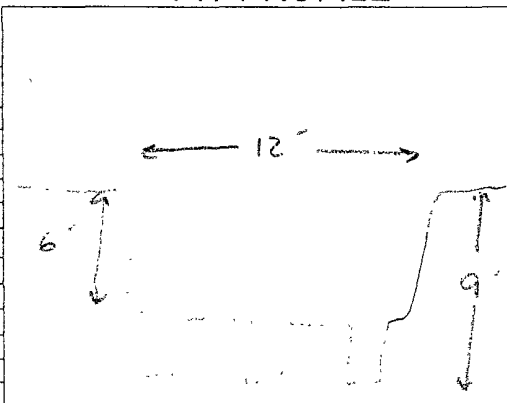
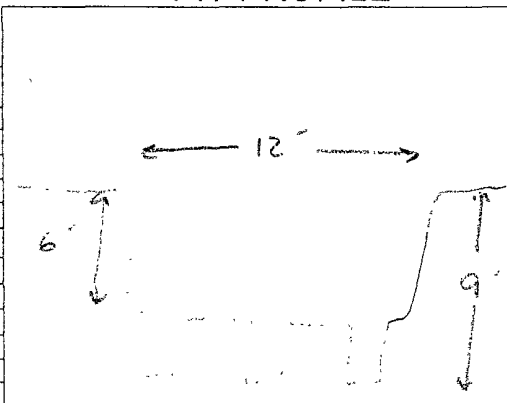
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 05/17/06

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,  
Printed Name/Title District #3 Signature [Signature] Date: AUG 09 2007

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>B1771</u> COCR NO: <u>15960</u>																								
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																								
LOCATION: NAME: <u>ELLIOTT GC Y</u> WELL #: <u>1</u> TYPE: <u>SEPARATE</u> QUAD/UNIT: <u>H</u> SEC: <u>9</u> TWP: <u>30N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1570 FNL x 1055 FEL</u> <sup>SEIDE</sup> CONTRACTOR: <u>SIENA - CALVIN</u>		DATE STARTED: <u>5/10/06</u> DATE FINISHED: <u>5/10/06</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 078139</u> FORMATION: <u>FC</u>																										
<b>FIELD NOTES &amp; REMARKS:</b>																										
PIT LOCATED APPROXIMATELY <u>81</u> FT. <u>588E</u> FROM WELLHEAD.																										
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&gt;1000</u>																										
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																										
<b>SOIL AND EXCAVATION DESCRIPTION:</b>		OVM CALIB. READ = <u>53.6</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>0615</u> am/pm DATE <u>5/10/06</u>																								
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SOIL COLOR: <u>ORANGE TAN</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / 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 / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION - HC ODOR DETECTED: YES / <u>NO</u> EXPLANATION - SAMPLE TYPE GRAB / COMPOSITE - # OF PTS ADDITIONAL COMMENTS: <u>75 BBL steel tank set to grade @ 6" BG</u> <u>Use Backhoe to fill tank &amp; collect samples. No evidence of leak</u>																										
FIELD 418.1 CALCULATIONS																										
<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> </tbody> </table>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																			
SCALE  0 1 FT		PIT PERIMETER 																								
OVM READING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @</td><td> </td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td>C@ 9"</td><td>0.0</td></tr> <tr><td>4-P@ 9"</td><td>0.0</td></tr> </tbody> </table>		SAMPLE ID	FIELD HEADSPACE (ppm)	1 @		2 @		3 @		4 @		5 @		C@ 9"	0.0	4-P@ 9"	0.0	PIT PROFILE 								
SAMPLE ID	FIELD HEADSPACE (ppm)																									
1 @																										
2 @																										
3 @																										
4 @																										
5 @																										
C@ 9"	0.0																									
4-P@ 9"	0.0																									
LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>C@ 9"</td><td>T/B/C</td><td>1155</td></tr> <tr><td>4-P@ 9"</td><td>15</td><td>1215</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		SAMPLE ID	ANALYSIS	TIME	C@ 9"	T/B/C	1155	4-P@ 9"	15	1215																
SAMPLE ID	ANALYSIS	TIME																								
C@ 9"	T/B/C	1155																								
4-P@ 9"	15	1215																								
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE, B = BELOW T.H. = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM																										
TRAVEL NOTES:																										
CALLOUT: _____ ONSITE: <u>5/10/06</u>																										

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

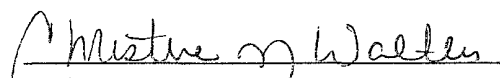
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4 - Pt @ 9'	Date Reported:	05-15-06
Laboratory Number:	37102	Date Sampled:	05-10-06
Chain of Custody No:	15960	Date Received:	05-10-06
Sample Matrix:	Soil	Date Extracted:	05-12-06
Preservative:	Cool	Date Analyzed:	05-12-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

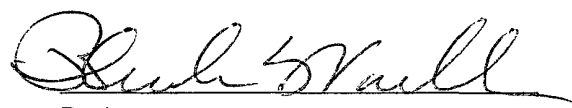
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.2	0.2
Diesel Range (C10 - C28)	0.4	0.1
Total Petroleum Hydrocarbons	0.6	0.2

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: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4 - Pt @ 9'	Date Reported:	05-15-06
Laboratory Number:	37102	Date Sampled:	05-10-06
Chain of Custody:	15960	Date Received:	05-10-06
Sample Matrix:	Soil	Date Analyzed:	05-12-06
Preservative:	Cool	Date Extracted:	05-12-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	65.7	1.7
Ethylbenzene	22.4	1.5
p,m-Xylene	75.0	2.2
o-Xylene	22.8	1.0
Total BTEX	186	

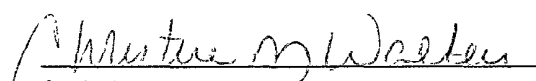
ND - Parameter not detected at the stated detection limit.


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: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4 - Pt @ 9'	Date Reported:	05-12-06
Lab ID#:	37102	Date Sampled:	05-10-06
Sample Matrix:	Soil	Date Received:	05-10-06
Preservative:	Cool	Date Analyzed:	05-12-06
Condition:	Cool and Intact	Chain of Custody:	15960

Parameter	Concentration (mg/Kg)
-----------	-----------------------

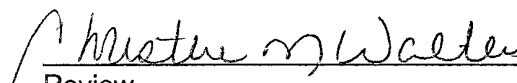
Total Chloride

74.0

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

Comments: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

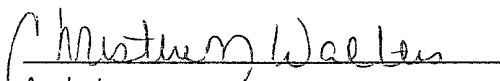
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 9'	Date Reported:	05-15-06
Laboratory Number:	37101	Date Sampled:	05-10-06
Chain of Custody No:	15960	Date Received:	05-10-06
Sample Matrix:	Soil	Date Extracted:	05-12-06
Preservative:	Cool	Date Analyzed:	05-12-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.2	0.2
Diesel Range (C10 - C28)	0.5	0.1
Total Petroleum Hydrocarbons	0.7	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: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 9'	Date Reported:	05-15-06
Laboratory Number:	37101	Date Sampled:	05-10-06
Chain of Custody:	15960	Date Received:	05-10-06
Sample Matrix:	Soil	Date Analyzed:	05-12-06
Preservative:	Cool	Date Extracted:	05-12-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	59.7	1.8
Toluene	23.1	1.7
Ethylbenzene	10.6	1.5
p,m-Xylene	53.4	2.2
o-Xylene	24.7	1.0
Total BTEX	172	

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: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 9'	Date Reported:	05-12-06
Lab ID#:	37101	Date Sampled:	05-10-06
Sample Matrix:	Soil	Date Received:	05-10-06
Preservative:	Cool	Date Analyzed:	05-12-06
Condition:	Cool and Intact	Chain of Custody:	15960

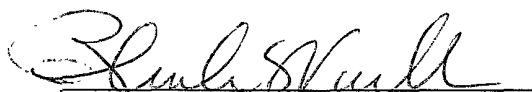
Parameter	Concentration (mg/Kg)
-----------	-----------------------

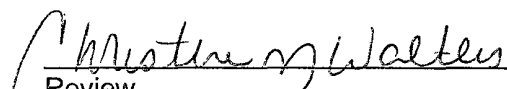
Total Chloride

66.0

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

Comments: Elliott GC Y 1 Sep Pit.

  
Analyst

  
Review



15960

san juan lepión

# 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:	05-12-06 QA/QC	Date Reported:	05-15-06
Laboratory Number:	37101	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-12-06
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	1.4764E+003	1.4779E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.7340E+003	1.7374E+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

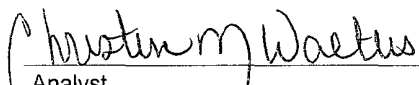
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	0.2	0.2	0.0%	0 - 30%
Diesel Range C10 - C28	0.5	0.5	0.0%	0 - 30%


Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	0.2	250	250	99.9%	75 - 125%
Diesel Range C10 - C28	0.5	250	250	99.8%	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 37101 - 37102, 37108 - 37113.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-12-BTEX QA/QC	Date Reported:	05-15-06
Laboratory Number:	37101	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-12-06
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	6.6467E+007	6.6601E+007	0.2%	ND	0.2
Toluene	7.6089E+007	7.6241E+007	0.2%	ND	0.2
Ethylbenzene	4.4943E+007	4.5033E+007	0.2%	ND	0.2
p,m-Xylene	1.4564E+008	1.4593E+008	0.2%	ND	0.2
o-Xylene	7.0689E+007	7.0831E+007	0.2%	ND	0.1

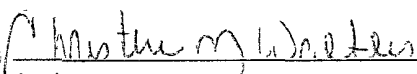
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	59.7	59.7	0.0%	0 - 30%	1.8
Toluene	23.1	23.1	0.0%	0 - 30%	1.7
Ethylbenzene	10.6	10.5	0.9%	0 - 30%	1.5
p,m-Xylene	53.4	52.4	1.9%	0 - 30%	2.2
o-Xylene	24.7	24.5	0.8%	0 - 30%	1.0

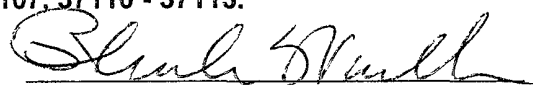
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	59.7	50.0	110	99.9%	39 - 150
Toluene	23.1	50.0	73.1	100.0%	46 - 148
Ethylbenzene	10.6	50.0	60.5	99.8%	32 - 160
p,m-Xylene	53.4	100	151	98.6%	46 - 148
o-Xylene	24.7	50.0	74.6	99.9%	46 - 148

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 37101 - 37102, 37107, 37110 - 37113.

  
Analyst

  
Review