

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 Production Company</u> Telephone <u>(505)326-9200</u> e-mail address: _____		
Address <u>200 Energy Ct, Farmington, NM 87401</u>		
Facility or well name <u>EWST, A.L. GC F #1</u> API # <u>30045 26399</u> U/L or Qtr/Qtr <u>F</u> Sec <u>14</u> T <u>29</u> N <u>R</u> <u>9</u> W		
County <u>San Juan</u> Latitude _____ Longitude _____ 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 type="checkbox"/> Disposal <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: <u>MMA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
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) (0 points) <u>0</u>
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) <u>0</u>
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) (0 points) <u>0</u>
Ranking Score (Total Points)		<u>0</u>

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
See Attached Documentation
RCVD JUN13'07
OIL CONS. DIV.
DIST. 3

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 (attached) alternative OCD-approved plan ☐.

Date 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. Blagg

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 10 2007

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

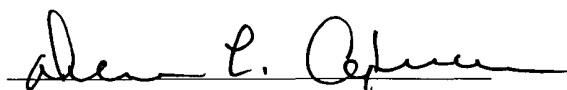
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3'	Date Reported:	11-21-01
Laboratory Number:	21535	Date Sampled:	11-19-01
Chain of Custody No:	8793	Date Received:	11-19-01
Sample Matrix:	Soil	Date Extracted:	11-20-01
Preservative:	Cool	Date Analyzed:	11-21-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

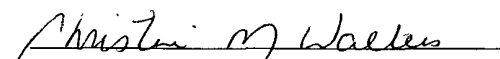
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	974	0.2
Diesel Range (C10 - C28)	154	0.1
Total Petroleum Hydrocarbons	1,130	0.2

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, A. L. GC F #1 Separator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3'	Date Reported:	11-21-01
Laboratory Number:	21535	Date Sampled:	11-19-01
Chain of Custody:	8793	Date Received:	11-19-01
Sample Matrix:	Soil	Date Analyzed:	11-21-01
Preservative:	Cool	Date Extracted:	11-20-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	555	1.8
Toluene	1,640	1.7
Ethylbenzene	938	1.5
p,m-Xylene	1,840	2.2
o-Xylene	2,050	1.0
Total BTEX	7,020	

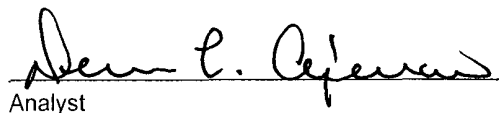
ND - Parameter not detected at the stated detection limit.

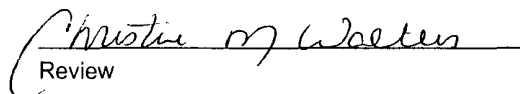
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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, A. L. GC F #1 Separator Pit Grab Sample.


Analyst


Review

CLIENT

BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 80828

C.O.C NO. 14681

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. G.C. F WELL #: 1 PITS:
QUAD/UNIT: F SEC: 14 TWP: 29N RNG: 9W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: SE1NW CONTRACTOR:

DATE STARTED: 12/28/06
DATE FINISHED:

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

63

REMEDATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: LAND USE: RANGE - BLMLIFT DEPTH (ft): N/A

FIELD NOTES & REMARKS:

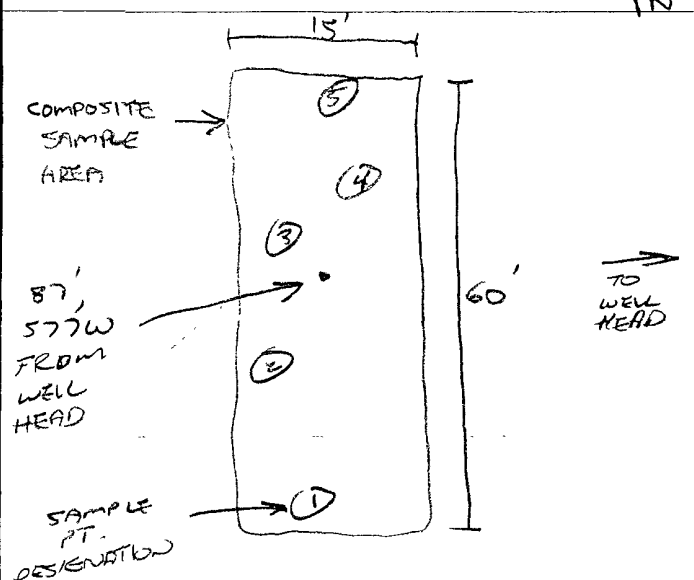
DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'

NEAREST WATER SOURCE: >1,000' NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPM

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: DK. YELL. ORANGE TO MOD. BROWNCOHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE / VERY DENSEPLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTICDENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARDMOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDCLOSEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION: HC ODOR DETECTED: YES NO EXPLANATION: SAMPLING DEPTHS (LANDFARMS): 3 - 5 (INCHES)SAMPLE TYPE GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS: NO ACTUAL LANDFARM OBSERVED ON-SITE. COLLECTED 5 PT. COMPOSITE SAMPLE

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = ppm
OVM CALIB. GAS = ppm RF = 0.52
TIME: am/pm DATE:

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (PPM)
LF-1	N/A	LF-1	TPH	0950	ND
		"	BENZENE	"	ND
		"	TOTAL BTEX	"	0.0192
		"	CHLORIDE	"	24.0

P.C. - 1/15/01

SCALE

0 FT

TRAVEL NOTES CALLOUT: N/AONSITE 4/29/02, 12/22/06

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:	LF - 1	Date Reported:	01-02-07
Laboratory Number:	39615	Date Sampled:	12-28-06
Chain of Custody No:	14681	Date Received:	12-28-06
Sample Matrix:	Soil	Date Extracted:	12-29-06
Preservative:	Cool	Date Analyzed:	01-02-07
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

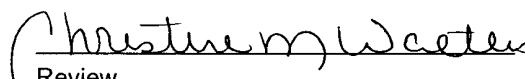
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Elliott, A. L. GC F #1 Landfarm 5 Pt. Composite Sample


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-02-07
Laboratory Number:	39615	Date Sampled:	12-28-06
Chain of Custody:	14681	Date Received:	12-28-06
Sample Matrix:	Soil	Date Analyzed:	01-02-07
Preservative:	Cool	Date Extracted:	12-29-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	4.3	1.7
Ethylbenzene	3.3	1.5
p,m-Xylene	11.6	2.2
o-Xylene	ND	1.0
Total BTEX	19.2	

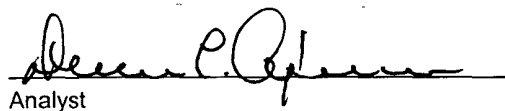
ND - Parameter not detected at the stated detection limit.

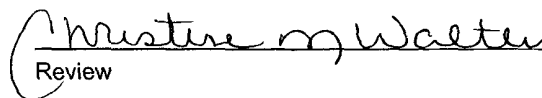
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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, A. L. GC F #1 Landfarm 5 Pt. Composite Sample


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-02-07
Lab ID#:	39615	Date Sampled:	12-28-06
Sample Matrix:	Soil	Date Received:	12-28-06
Preservative:	Cool	Date Analyzed:	12-29-06
Condition:	Cool and Intact	Chain of Custody:	14681

Parameter

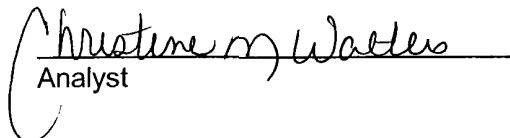
Concentration (mg/Kg)

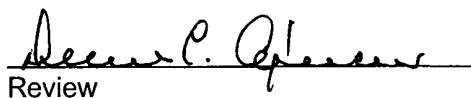
Total Chloride

24.0

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

Comments: Elliott, A. L. GC F #1 Landfarm 5 Pt. Composite Sample


Analyst


Review

District I
P O Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
2000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ELLIOTT, A.L. GC F #1
Well Name _____
Location: Unit or Qtr/Qtr Sec F Sec 14 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other ABANDONED
Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 20', width 15', depth 4'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 115'
Direction from reference: 15 Degrees _____ East North _____
of
West South ✓

Depth To Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	(0 Points)	<u>0</u>
high water elevation of			
ground water)			

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water:	Less than 200 feet	(20 points)	
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)	0
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	_____
irrigation canals and ditches)			

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 11/18/01Remediation Method: Excavation ☒ Approx. cubic yards 44
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation . MOSTLY BEDROCK -

Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached Documents

Closure Sampling: _____

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 4' (PIT BOTTOM)Sample date 11/15/01 Sample time 1055

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 55.0TPH 70.7 ppmGround Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11/18/01

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: ELLIOTT, A.L. GC F #1
Well Name
Location: Unit or Qtr/Qtr Sec F Sec 14 T 29N R 9W County SAN JUAN
Pit Type: Separator ABANDONED Dehydrator ☒ Other
Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 10', width 10', depth 5'
(Attach diagram) Reference: wellhead ☒, other
Footage from reference: 105'
Direction from reference: 83 Degrees ☒ East North
of
West South ☒

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 11/18/01Remediation Method: Excavation ☒ Approx. cubic yards 19
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation, mostly BEDROCK.

Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached DocumentsClosure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)Sample depth 5' (NORTH SIDEWALK)Sample date 11/15/01 Sample time 1125

Sample Results

Benzene(ppm) 0.123Total BTEX(ppm) 0.995Field headspace(ppm) 174TPH 30.2 ppmGround Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11/18/01
SIGNATURE B. Shaw PRINTED NAME AND TITLE Buddy D. Shaw
Environmental Coordinator

CHAIN OF CUSTODY RECORD

08469

Client / Project Name BLAGG/BP AMOCO			Project Location A.L. ELLIOTT "F" #1		ANALYSIS / PARAMETERS									
Sampler: J. BLAGG			Client No. 04034610		No. of Containers	TPH 8015	BTEX 8021					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
DEHY NQ5'	1/15/01	1125	19097	SOIL	1	X	X							
BLOW CO4'	1/15/01	1055	19098	"	1	X								
ABANDONED														
Relinquished by: (Signature) J-C. Blagg			Date 1/16/01	Time 1315	Received by: (Signature) Don E. Quinn			Date 1-16-01	Time 1305					
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	<input checked="" type="checkbox"/>		
											Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

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:	01-18-TPH QA/QC	Date Reported:	01-18-01
Laboratory Number:	19091	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-18-01
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	08-03-00	6.2648E-002	6.2586E-002	0.10%	0 - 15%
Diesel Range C10 - C28	08-03-00	2.0382E-002	2.0341E-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

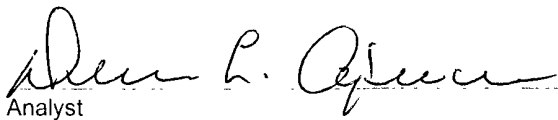
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	654	651	0.4%	0 - 30%
Diesel Range C10 - C28	277	276	0.3%	0 - 30%

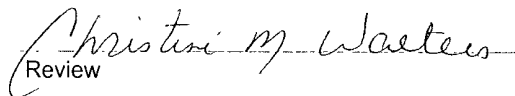
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	654	250	902	100%	75 - 125%
Diesel Range C10 - C28	277	250	526	100%	75 - 125%

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 19091 - 19098 and 19100 - 19101.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	01-18-TPH QA/QC	Date Reported:	01-18-01
Laboratory Number:	19091	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-18-01
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.8167E-001	1.8211E-001	0.2%	ND	0.2
Toluene	3.4631E-002	3.4694E-002	0.2%	ND	0.2
Ethylbenzene	5.9784E-002	5.9910E-002	0.2%	ND	0.2
p,m-Xylene	5.4361E-002	5.4497E-002	0.3%	ND	0.2
o-Xylene	5.6391E-002	5.6487E-002	0.2%	ND	0.1

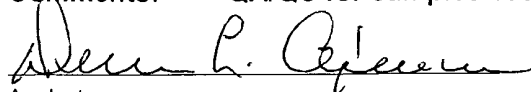
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	1,920	1,940	1.0%	0 - 30%	1.8
Toluene	1,890	1,900	0.5%	0 - 30%	1.7
Ethylbenzene	791	794	0.4%	0 - 30%	1.5
p,m-Xylene	1,440	1,440	0.0%	0 - 30%	2.2
o-Xylene	1,840	1,860	1.1%	0 - 30%	1.0

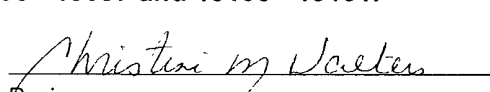
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	1,920	50.0	1,930	98%	39 - 150
Toluene	1,890	50.0	1,900	98%	46 - 148
Ethylbenzene	791	50.0	825	98%	32 - 160
p,m-Xylene	1,440	100	1,510	98%	46 - 148
o-Xylene	1,840	50.0	1,850	98%	46 - 148

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 19091 - 19093, 19096 - 19097 and 19100 - 19101.


Analyst


Review

District I

P.O. Box 1980 Hobbs NM

District II

P.O. Box 1980 Artesia NM

District III

10000 Rio Brazo Rd. Aztec NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

B0028

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: Elliot AL GCF #1

Location: Unit or Qtr/Qtr Sec F Sec 14 T 29N R 9W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other Blow

Land Type: BLM X, State ☐, Fee ☐, Other ☐

Pit Location:
(Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other ☐

Footage from reference: 122

Direction from reference: 26 Degrees ☐ East ☐ North ☒ West ☒ South

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

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)	<u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Blow Pit

B0820

Date Remediation Started: _____

Date Completed: 11-21-01

Remediation Method:

Excavation ☒Approx. cubic yards NA

(Check all appropriate sections)

Landfarmed _____

Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location:

Onsite ☒ Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.Bedrock Bottom

Groundwater Encountered:

No ☒

Yes _____

Depth' _____

Blow Pit

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached DocumentsSample depth 3' (Test hole bottom)Sample date 11-19-01 Sample time 0730

Sample Results

Soil: Benzene (ppm) 0.533

Water: Benzene (ppb) _____

Total BTEX (ppm) 7.030

Toluene (ppb) _____

Field Headspace (ppm) 614

Ethylbenzene (ppb) _____

TPH (ppm) 185

Total Xylenes (ppb) _____

Groundwater Sample:

Yes _____

No ☒

(If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11-21-01PRINTED NAME Jeffrey C. Blagg

SIGNATURE

Jeffrey C. Blagg

AND TITLE

President P.E. # 11607

District I

P.O. Box 1980 Hobbs NM

District II

P.O. Box 1980 Hobbs NM

District III

1000 Rio Bravo Rd. Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. BOX 2088
 SANTA FE, NEW MEXICO 87504-2088

B0828

SUBMIT 1 COPY TO

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DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORTOperator: **BP AMOCO** Telephone: **(505) 326-9200**Address: **200 AMOCO COURT, FARMINGTON, NM 87401**Facility or Well Name: **Elliott AL GC F#1**Location: Unit or Qtr/Qtr Sec **F** Sec **14** T **29N** R **9W** County **San Juan**Pit Type: Separator ☒ Dehydrator ☐ Other ☐Land Type: BLM ☒, State ☐, Fee ☐, Other ☐Pit Location: (Attach diagram) Pit dimensions: length **NA**, width **NA**, depth **NA**Reference: wellhead ☒, other ☐Footage from reference: **113**Direction from reference: **4** Degrees ☒ East ☐ North ☐ West ☒ South**Depth To Groundwater:**

(Vertical distance from contaminants to seasonal high water elevation of groundwater)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(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 perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 100 feet	(20 points)	
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	0

RANKING SCORE (TOTAL POINTS): **0**

Sep Pit

30820

Date Remediation Started: _____

Date Completed: 11-21-01

Remediation Method:

Excavation XApprox. cubic yards NA

(Check all appropriate sections)

Landfarmed _____

Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location:

Onsite X Offsite _____

(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.Bedrock Bottom

Groundwater Encountered:

No X Yes _____ Depth _____

Pit Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached DocumentsSample depth 3' (Test hole bottom)Sample date 11-19-01 Sample time 0735

Sample Results

Soil: Benzene (ppm) 0.555

Water: Benzene (ppb) _____

Total BTEX (ppm) 7.020

Toluene (ppb) _____

Field Headspace (ppm) 528

Ethylbenzene (ppb) _____

TPH (ppm) 1130

Total Xylenes (ppb) _____

Groundwater Sample:

Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 11-21-01 PRINTED NAME Jeffrey C. BlaggSIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

CHAIN OF CUSTODY RECORD

08793

Client / Project Name <i>BLAGG 18P</i>			Project Location <i>ELLIOTT, A.L. GC F #1</i>		ANALYSIS / PARAMETERS								
Sampler: <i>NJV</i>			Client No. <i>94034010</i>		No. of Containers	<i>8015</i>	<i>34x</i>					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>① @ 3'</i>	<i>11/19/01</i>	<i>0730</i>	<i>21534</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>	<i>✓</i>					<i>BLOW PIT</i>	
<i>① @ 3'</i>	<i>11/19/01</i>	<i>0735</i>	<i>21535</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>	<i>✓</i>					<i>SEPARATOR PIT</i>	
												<i>GRAB SAMPLES</i>	
												<i>PRESERVED COOL</i>	
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>11/19/01</i>	Time <i>0940</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>11/19/01</i>	Time <i>0940</i>				
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	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

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:	11-21-TPH QA/QC	Date Reported:	11-21-01
Laboratory Number:	21534	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-21-01
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	08-22-01	1.2571E-002	1.2559E-002	0.10%	0 - 15%
Diesel Range C10 - C28	08-22-01	8.3733E-003	8.3565E-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	123	122	0.4%	0 - 30%
Diesel Range C10 - C28	61.7	61.5	0.3%	0 - 30%

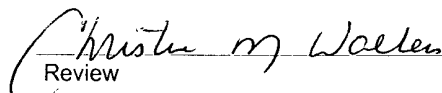
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	123	250	372	99.8%	75 - 125%
Diesel Range C10 - C28	61.7	250	311	99.8%	75 - 125%

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 21534 - 21535 and 21545.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-21-BTEX QA/QC	Date Reported:	11-21-01
Laboratory Number:	21534	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-21-01
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	1.7143E-001	1.7195E-001	0.3%	ND	0.2
Toluene	9.4693E-002	9.4883E-002	0.2%	ND	0.2
Ethylbenzene	1.2284E-001	1.2321E-001	0.3%	ND	0.2
p,m-Xylene	1.0810E-001	1.0843E-001	0.3%	ND	0.2
o-Xylene	9.2106E-002	9.2290E-002	0.2%	ND	0.1


Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	533	542	1.7%	0 - 30%	1.8
Toluene	952	963	1.2%	0 - 30%	1.7
Ethylbenzene	583	591	1.3%	0 - 30%	1.5
p,m-Xylene	3,510	3,560	1.4%	0 - 30%	2.2
o-Xylene	1,450	1,480	2.1%	0 - 30%	1.0

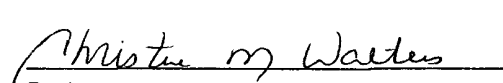
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	533	50.0	580	99.5%	39 - 150
Toluene	952	50.0	997	99.5%	46 - 148
Ethylbenzene	583	50.0	630	99.5%	32 - 160
p,m-Xylene	3,510	100	3,590	99.4%	46 - 148
o-Xylene	1,450	50.0	1,490	99.3%	46 - 148

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 21534 - 21535 and 21545.


Analyst


Review

CHAIN OF CUSTODY RECORD

14681

Client / Project Name BLAGE / BP			Project Location ELLIOTT, A.L. GC F #1		ANALYSIS / PARAMETERS						
Sampler: N.V.			Client No. 94034-010		No. of Containers	TPH (3015B)	BTEX (3021B)	CHLORIDE	Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					PRESERVED COOL SPT. COMPOSITE SAMPLE		
LF - 1	12/28/06	0950	39615	SOIL	1	✓	✓	✓	LANDFARM		
Relinquished by: (Signature) [Signature]			Date 12/28/06	Time 1359	Received by: (Signature) [Signature]			Date 12/28/06	Time 1359		
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	✓			

CHAIN OF CUSTODY RECORD

14681

Client / Project Name BLAGE / BP			Project Location ELLIOTT, A.L. GC F #1		ANALYSIS / PARAMETERS							
Sampler: NV			Client No. 94034-010		No. of Containers	TPH (3015B)	BTEX (3021B)	CHLORIDE	Remarks			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					PRESERVED COOL SPT. COMPOSITE SAMPLE			
LF - 1	12/28/06	0950	39615	SOIL	1	✓	✓	✓	LANDFARM			
Relinquished by: (Signature) <i>[Signature]</i>			Date 12/28/06	Time 1359	Received by: (Signature) <i>[Signature]</i>			Date 12/28/06	Time 1359			
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:	01-02-07 QA/QC	Date Reported:	01-02-07
Laboratory Number:	39612	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-02-07
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	9.9501E+002	9.9601E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.8869E+002	9.9067E+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

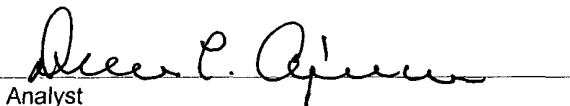
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

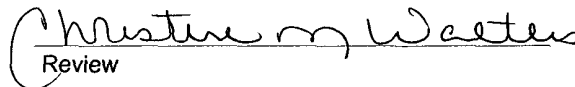
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 39612 - 39618


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	01-02-BTEX QA/QC	Date Reported:	01-02-07
Laboratory Number:	39612	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-02-07
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	3.3208E+007	3.3275E+007	0.2%	ND	0.2
Toluene	4.4577E+007	4.4667E+007	0.2%	ND	0.2
Ethylbenzene	2.1124E+007	2.1167E+007	0.2%	ND	0.2
p,m-Xylene	9.0067E+007	9.0248E+007	0.2%	ND	0.2
o-Xylene	3.9449E+007	3.9528E+007	0.2%	ND	0.1

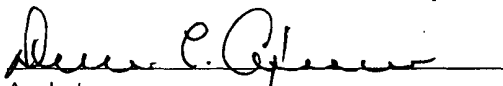
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	4.7	4.7	0.0%	0 - 30%	1.7
Ethylbenzene	7.4	7.4	0.0%	0 - 30%	1.5
p,m-Xylene	25.5	25.4	0.4%	0 - 30%	2.2
o-Xylene	11.5	11.5	0.0%	0 - 30%	1.0

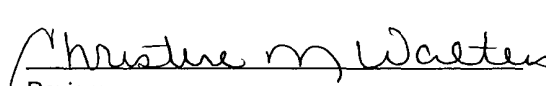
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	4.7	50.0	54.6	99.8%	46 - 148
Ethylbenzene	7.4	50.0	57.3	99.8%	32 - 160
p,m-Xylene	25.5	100	125	99.8%	46 - 148
o-Xylene	11.5	50.0	61.5	100.0%	46 - 148

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 39612 - 39618


Analyst


Review