

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>Fluorance U#6</u> API #: <u>3004509284</u> U/L or Qtr/Qtr <u>M</u> Sec <u>23</u> T <u>30N</u> R <u>9 W</u>		
County: <u>San Juan</u> Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐		
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ 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	(20 points)
	50 feet or more, but less than 100 feet	(10 points) <u>0</u>
	100 feet or more	(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	(20 points)
	No	(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	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) <u>0</u>
	1000 feet or more	(0 points)
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: Oil & Gas Inspector, District #3 Signature Ed Roll Date: AUG 10 2007

3004509284

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0779</u> C.O.C NO: <u>7331</u>
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FIELD REPORT: CLOSURE VERIFICATION

PAGE No 1 of 1

LOCATION: NAME: <u>FLORANCE</u> U WELL #: <u>6</u> PIT <u>ABAND. SEP.</u>	DATE STARTED <u>8/6/00</u> DATE FINISHED _____
QUAD/UNIT: <u>M SEC 23 TWP. 30N RNG: 9W PM: 2M CNTY: SJ ST: NM</u>	ENVIRONMENTAL SPECIALIST <u>NJ</u>
QTR/FOOTAGE: <u>990'S/990'W</u> SWSW CONTRACTOR: <u>ELINT</u>	

EXCAVATION APPROX. 16 FT. x 15 FT. x 9 FT. DEEP. CUBIC YARDAGE 70
 DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARM
 LAND USE: RANGE LEASE: SF080005 FORMATION MULCH

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>205</u> FT. <u>541W</u> FROM WELL HEAD
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM	CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED ☐ FIBERGLASS TANK INSTALLED
SOIL AND EXCAVATION DESCRIPTION:	OVM CALIB. READ. <u>531</u> ppm TIME: <u>6:37</u> am/pm <u>8/6/00</u>

SIDEWALLS - MOSTLY SAND, COLOR VARYING, NON COHESIVE, SLIGHTLY MOIST, FIRM, HC ODOR DETECTED IN ALL OVM SAMPLES.

BOTTOM - BEDROCK (SANDSTONE), OLIVE TO MED. GRAY, VERY HARD, STRONG HC ODOR.

BEDROCK
Bottom

CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm
0745							

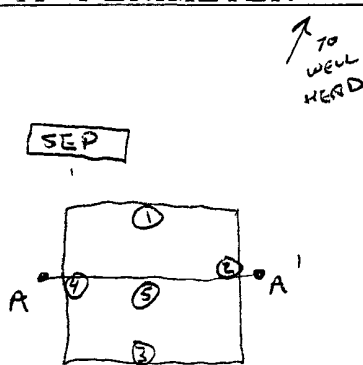
SCALE



0 FT

PIT PERIMETER

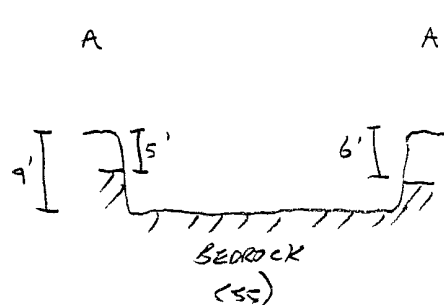
PIT PROFILE

OVM
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	145
2 @ 4'	183
3 @ 4'	180
4 @ 4'	204
5 @ 9'	212

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
4 @ 4'	TPH (SDS)	0745



TRAVEL NOTES:

CALLOUT: 8/4/00 - MORN.ONSITE: 8/6/00 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

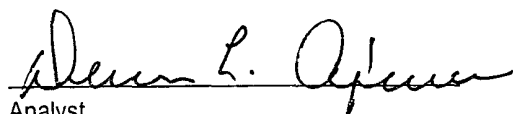
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	4 @ 4'	Date Reported:	08-08-00
Laboratory Number:	H866	Date Sampled:	08-07-00
Chain of Custody No:	7331	Date Received:	08-07-00
Sample Matrix:	Soil	Date Extracted:	08-08-00
Preservative:	Cool	Date Analyzed:	08-08-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

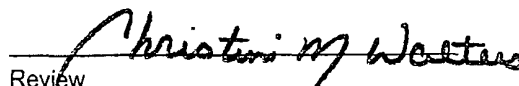
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.1	0.2
Diesel Range (C10 - C28)	6.7	0.1
Total Petroleum Hydrocarbons	9.8	0.1

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: **Florance U #6 Abandoned Separator Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	4 @ 4'	Date Reported:	08-08-00
Laboratory Number:	H866	Date Sampled:	08-07-00
Chain of Custody:	7331	Date Received:	08-07-00
Sample Matrix:	Soil	Date Analyzed:	08-08-00
Preservative:	Cool	Date Extracted:	08-08-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	13.3	1.8
Toluene	430	1.7
Ethylbenzene	139	1.5
p,m-Xylene	864	2.2
o-Xylene	393	1.0
Total BTEX	1,840	

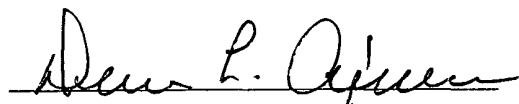
ND - Parameter not detected at the stated detection limit.

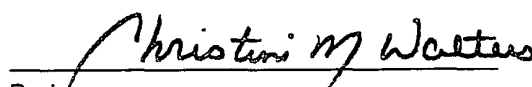
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Florance U # 6 Abandoned Separator Pit.


Analyst


Review

CLIENT:

BP

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

LOCATION NO: 80779

C.O.C. NO: 14682

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: FLORANCE U WELL #: 6 PITS: _____
DATE STARTED: 12/28/06
DATE FINISHED: _____
QUAD/UNIT: M SEC: 23 TWP: 30N RNG: 9W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: SW/5W CONTRACTOR: _____
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:

70

REMEDATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: _____

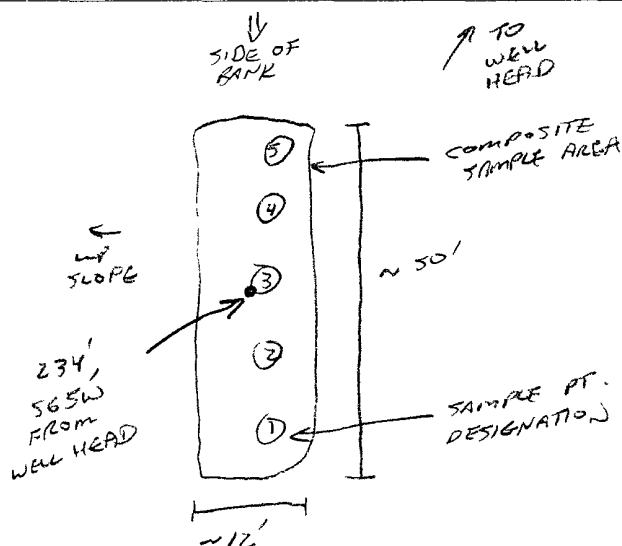
LAND USE: RANGE - BLUMLIFT DEPTH (ft): N/A

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 PPMSOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: PINK YELL. BROWN TO DK. YELL. ORANGECOHESION (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 SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION: _____HC ODOR DETECTED: YES / NO EXPLANATION: _____SAMPLING DEPTHS (LANDFARMS): 6 - 12 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE # OF PTS: 5

ADDITIONAL COMMENTS: NO ACTUAL LANDFARM OBSERVED ON-SITE - COLLECTED 5 PT.
COMPOSITE FROM SOIL APPARENTLY PLOWED INTO STOCKPILE/BANK
FOR DRAINAGE PURPOSES.

SKETCH/SAMPLE LOCATIONS



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

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (ppm)
LF-1	N/A	LF-1	TPH	1055	ND
		"	BENZENE	"	ND
		"	TOT. BTX	"	0.0124
		"	CHLORIDE	"	32

P.C. - 8/7/00

SCALE

0 FT

TRAVEL NOTES CALLOUT: N/AONSITE: 1/28/02, 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:	39616	Date Sampled:	12-28-06
Chain of Custody No:	14682	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

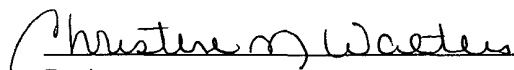
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Florance U #6 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:	39616	Date Sampled:	12-28-06
Chain of Custody:	14682	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	ND	1.7
Ethylbenzene	2.7	1.5
p,m-Xylene	9.7	2.2
o-Xylene	ND	1.0
Total BTEX	12.4	

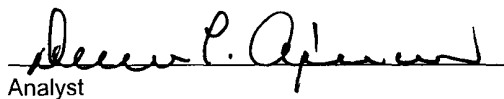
ND - Parameter not detected at the stated detection limit.

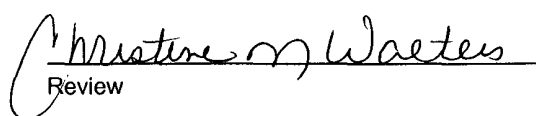
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Florance U #6 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#:	39616	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:	14682

Parameter

Concentration (mg/Kg)

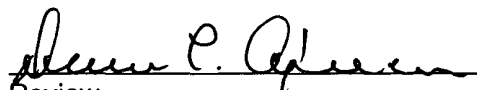
Total Chloride

32.0

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

Comments: Florance U #6 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

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 REPORTOperator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: FLORANCE U #6
Well NameLocation: Unit or Qtr/Qtr sec M sec 23 T 30N R 9W County SAN JUANPit Type: ^{ABANDONED} Separator ☒ Dehydrator ☐ Other ☐Land Type: 'BLM ☒, State ☐, Fee ☐, Other ☐Pit Location: Pit dimensions: length 16', width 15', depth
(Attach diagram)Reference: wellhead ☒, other ☐Footage from reference: 205'Direction from reference: 41 Degrees ☐ East North ☐
of
☒ West South ☒

Depth To Ground Water:

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

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 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 8/8/00

Remediation Method: Excavation ☒ Approx. cubic yards 70
(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, BEDROCK BOTTOM.

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' (WEST SIDEWALK)

Sample date 8/6/00 Sample time 0745

Sample Results

Benzene(ppm) 0.0133

Total BTEX(ppm) 1.840

Field headspace(ppm) 204 / PIT BOTTOM 212

TPH 9.8 ppm

Ground 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 8/8/00

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CHAIN OF CUSTODY RECORD

701

Client / Project Name BLAGG / BP AMOCO			Project Location ABANDONED SEPARATOR P IT FLORANCE U #6		ANALYSIS / PARAMETERS								
Sampler: NJV			Client No. 403410		No. of Containers	TPH (8015)	BTEX (8021)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
④ @ 4'	8/7/00	0745	H866	SOIL	1	✓	✓					PRESERV. - COOL	
Relinquished by: (Signature) <i>Mehon Vef</i>			Date 8/7/00	Time 1317	Received by: (Signature) <i>Debra L. Apur...</i>			Date 8-7-00	Time 1317				
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:	08-08-TPH QA/QC	Date Reported:	08-08-00
Laboratory Number:	H866	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-08-00
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	2.1477E-002	2.1455E-002	0.10%	0 - 15%
Diesel Range C10 - C28	08-03-00	1.7996E-002	1.7960E-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	3.1	3.0	3.2%	0 - 30%
Diesel Range C10 - C28	6.7	6.7	0.0%	0 - 30%

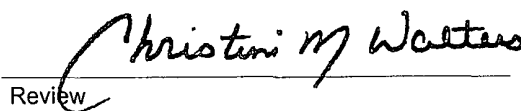
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	3.1	250	253	100%	75 - 125%
Diesel Range C10 - C28	6.7	250	256	100%	75 - 125%

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 sample H866.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	08-08-BTEX QA/QC	Date Reported:	08-08-00
Laboratory Number:	H866	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-08-00
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	6.1654E-002	6.1802E-002	0.2%	ND	0.2
Toluene	8.4151E-002	8.4303E-002	0.2%	ND	0.2
Ethylbenzene	1.0764E-001	1.0787E-001	0.2%	ND	0.2
p,m-Xylene	1.2081E-001	1.2111E-001	0.3%	ND	0.2
o-Xylene	1.1294E-001	1.1313E-001	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	13.3	12.8	3.8%	0 - 30%	1.8
Toluene	430	412	4.1%	0 - 30%	1.7
Ethylbenzene	139	133	4.0%	0 - 30%	1.5
p,m-Xylene	864	830	3.9%	0 - 30%	2.2
o-Xylene	393	380	3.4%	0 - 30%	1.0

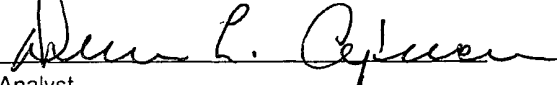
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	13.3	50.0	63.3	100%	39 - 150
Toluene	430	50.0	479	100%	46 - 148
Ethylbenzene	139	50.0	188	100%	32 - 160
p,m-Xylene	864	100	962	100%	46 - 148
o-Xylene	393	50.0	442	100%	46 - 148

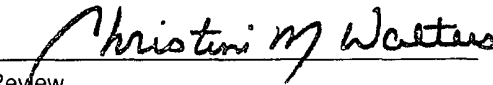
* - Administrative range set to 80 - 120%.

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 sample H866.


Analyst


Review

CLIENT <u>8P</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO <u>80779</u> COC NO _____
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION NAME <u>FLORANCE</u> U WELL #: <u>6</u> PITS: <u>SEP.</u> QUAD/UNIT <u>M</u> SEC <u>23</u> TWP <u>30S</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST <u>NM</u> QTR/FOOTAGE: _____ SW/SEW CONTRACTOR: <u>FLINT</u>	DATE STARTED <u>1/28/02</u> DATE FINISHED _____ ENVIRONMENTAL SPECIALIST <u>NV</u>
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SOIL REMEDIATION: _____ REMEDIATION SYSTEM: _____ LAND USE: <u>RANGE - BLM</u>	70 APPROX. CUBIC YARDAGE: _____ LIFT DEPTH (ft): _____
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FIELD NOTES & REMARKS:	NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD <u>5000</u> ppm DEPTH TO GROUNDWATER <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER <u>>1000'</u> SOIL TYPE SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: _____ COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE 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: YES / NO EXPLANATION - _____ HC ODOR DETECTED: YES / NO EXPLANATION - _____ SAMPLING DEPTHS (LANDFARMS): _____ (INCHES) SAMPLE TYPE GRAB / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>NO LANDFARM &/OR REMED. SOIL ACTIVITY OBSERVED ON SITE.</u>
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FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm

SKETCH/SAMPLE LOCATIONS

NO LANDFARM
OBSERVED

OVM CALIB. READ. _____ ppm
 OVM CALIB. GAS = 100 ppm, RF = 0.52
 TIME: _____ am/pm DATE: _____

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS

p.c. 8/7/00

SCALE

 0 FT

TRAVEL NOTES: CALLOUT: <u>N/A</u>	ONSITE: <u>1/28/02</u>
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14682

san juan reproduction 578.129

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

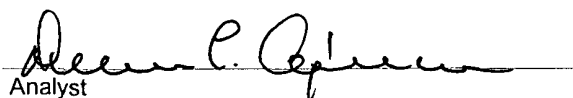
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

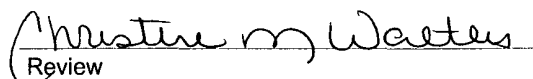
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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

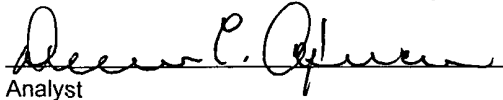
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	4.7	4.7	0.0%	0 - 30%	1.7
Ethylbenzene	7.4	7.4	0.0%	0 - 30%	1.5
p,m-Xylene	25.5	25.4	0.4%	0 - 30%	2.2
o-Xylene	11.5	11.5	0.0%	0 - 30%	1.0

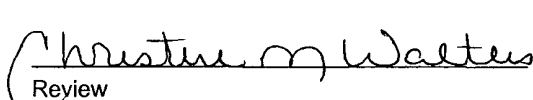
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	4.7	50.0	54.6	99.8%	46 - 148
Ethylbenzene	7.4	50.0	57.3	99.8%	32 - 160
p,m-Xylene	25.5	100	125	99.8%	46 - 148
o-Xylene	11.5	50.0	61.5	100.0%	46 - 148

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