

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 BP America Production Company Telephone: (505)326-9200 e-mail address: _____
Address 200 Energy Ct, Farmington, NM 87401
Facility or well name SELLERS LS # 6 API #: 30045 09161 U/L or Qtr/Qtr L Sec 30 T 30 N R 10 W
County San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	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>10</u> 1000 feet or more (0 points)
Ranking Score (Total Points) <u>10</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	RCVD JUN13'07 OIL CONS. DIV. DIST. 3
See Attached Documentation	

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,
District #3
Printed Name/Title _____ Signature Bill Bell Date: AUG 10 2007

CLIENT <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO. <u>81097</u> COCR NO. <u>10284</u>
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>SELLERS LS</u> WELL #: <u>6</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>L</u> SEC: <u>30</u> TWP: <u>30N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1750'S/1090'W</u> NW/SE CONTRACTOR: <u>L & L (DAN)</u>		DATE STARTED <u>11/15/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____		
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: _____		
LAND USE: <u>RANGE - BLM</u> LEASE: <u>SE 078195</u> FORMATION: <u>MV/DK</u>		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>90</u> FT. <u>57 1/2</u> FROM WELLHEAD DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u><1000'</u> NMOC RANKING SCORE: <u>10</u> NMOC TPH CLOSURE STD: <u>1000</u> PPM		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>53.5</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>7:15</u> am/pm DATE <u>11/15/02</u>
SOIL TYPE <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>LT. GRAY TO LT. MED. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / 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: <u>YES</u> / NO EXPLANATION: <u>APPROX. 3-6 FT. BELOW GRADE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>TEST HOLE & OVM SAMPLE.</u> SAMPLE TYPE <u>GRAB</u> COMPOSITE: # OF PTS. _____ ADDITIONAL COMMENTS: <u>PIT PREVIOUSLY BACKFILLED, UTILIZED PIT INVENTORY INFO. TO LOCATE APPROX. PIT CENTER. NEED TO ESTABLISH VERTICAL EXTENT.</u>		

FIELD 418.1 CALCULATIONS								
SCALE	SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC (ppm)
0 FT								

PIT PERIMETER

PIT PROFILE

OVM READING		
SAMPLE ID	FIELD HEADSPACE (ppm)	
1 @ 7'	258	
2 @		
3 @		
4 @		
5 @		

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
1 @ 7'	TPH (8015B)	5835
"	BTEX (8021B)	"
TPH FAILED		
BTEX PASSED		

P.O. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
 T.H. = TEST HOLE. ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:	
CALLOUT: <u>11/15/02 - MORN.</u>	ONSITE: <u>11/15/02 - MORN.</u>

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

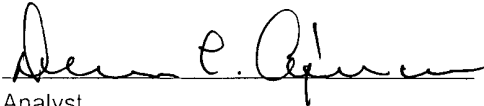
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	11-18-02
Laboratory Number:	24262	Date Sampled:	11-15-02
Chain of Custody No:	10284	Date Received:	11-15-02
Sample Matrix:	Soil	Date Extracted:	11-15-02
Preservative:	Cool	Date Analyzed:	11-18-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

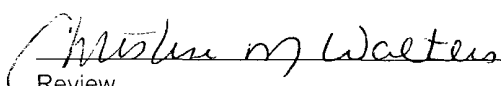
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,780	0.2
Diesel Range (C10 - C28)	8,820	0.1
Total Petroleum Hydrocarbons	10,600	0.2

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: **Sellers LS #6 Blow 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 @ 7'	Date Reported:	11-18-02
Laboratory Number:	24262	Date Sampled:	11-15-02
Chain of Custody:	10284	Date Received:	11-15-02
Sample Matrix:	Soil	Date Analyzed:	11-18-02
Preservative:	Cool	Date Extracted:	11-15-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	84.1	1.8
Toluene	173	1.7
Ethylbenzene	208	1.5
p,m-Xylene	1,780	2.2
o-Xylene	814	1.0
Total BTEX	3,060	

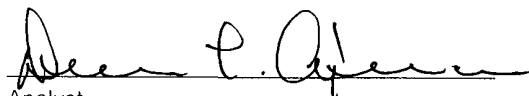
ND - Parameter not detected at the stated detection limit.

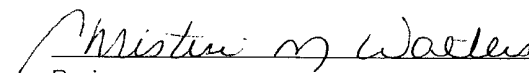
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Sellers LS #6 Blow Pit Grab Sample.


Analyst


Review

BLAGG ENGINEERING, Inc.

P.O. BOX 87

BLOOMFIELD, NM 87413

(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT:

BP AMERICA PRODUCTION COMPANY

LOCATION NAME:

SELLERS LS # 6 UNIT L, SEC. 30, T30N, R10W

CONTRACTOR:

BLAGG ENGINEERING, INC.

EQUIPMENT USED:

EARTHPROBE 200

BORING LOCATION:

90 FEET, S71E FROM WELL HEAD.

BORING #..... BH - 1

MW #..... -

PAGE #..... 1

DATE STARTED 12/13/02

DATE FINISHED 12/13/02

OPERATOR..... JCB

PREPARED BY NJV

DEPTH (FT.)	INTERVAL	LITHOLOGY INTERVAL	OVM READINGS (ppm)	FIELD CLASSIFICATION AND REMARKS
2				GROUND SURFACE
4				BACKFILL MATERIAL - DARK YELLOWISH BROWN SAND (0.0 - 3.0 FT. BELOW GRADE)
6			258	SAMPLE 1 @ 7 FT. - CONDUCTED DURING SOIL INVESTIGATION ON 11/15/02; TIME COLLECTED 0835, TPH = 10,600 ppm; Benzene = 84.1 ppb; Total BTEX = 3,060 ppb (see Pit Closure Field Report for additional information).
8				DARK GRAY TO BLACK SAND, NON COHESIVE, SLIGHTLY MOIST, STRONG HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (3.0 - 15.0 FT. BELOW GRADE).
10			0.7	BH1 @ 17-19 FT. - CONDUCTED DURING DRILLING ON 12/13/02; TIME COLLECTED 1430, TPH = ND ppm.
12				DARK YELLOWISH ORANGE SILTY SAND, NON COHESIVE, SLIGHTLY MOIST, DENSE, SLIGHT HC ODOR DETECTED WITHIN CUTTINGS BETWEEN 16.0-17.0 FT. (15.0 - 19.0 FT. BELOW GRADE).
14				
16				
18				
20				Upon completion of boring & sampling, inserted 2 inch PVC piping for passive venting - casing from 2 ft. above grade to 3.0 ft. below grade, 0.010 slotted screen between 3.0 to 19.0 feet below grade, sand packed annular to 1 ft. below grade, then bentonite powdered to surface. Wind generated turbine placed on top of casing.
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				

NOTES:



- SAND TO SILTY SAND.

OVM

- organic vapor meter or PID (photoionization detector).

ppm

- parts per million.

ppb

- parts per billion.

TPH

- total petroleum hydrocarbons (US Epa modified method 8015B).

BTEX

- benzene, toluene, ethylbenzene, & total xylenes.

ND

- Parameter not detected at the stated detection limits.

OVM CALIBRATION:

52.8 ppm; RF = 0.52
(RF = response factor).

100 ppm calibration gas

- isobutylene.

Date - 12/11/02.

Time - 1400.

DRAWING: SELLERS-LS-6. SKF DATE: 12/17/02 DWN BY NJV

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

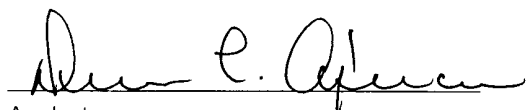
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	BH 1 @ 17' - 19'	Date Reported:	12-17-02
Laboratory Number:	24419	Date Sampled:	12-13-02
Chain of Custody No:	10295	Date Received:	12-16-02
Sample Matrix:	Soil	Date Extracted:	12-16-02
Preservative:	Cool	Date Analyzed:	12-17-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

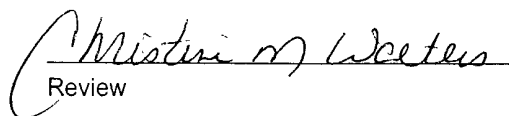
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Seller LS #6 Blow Pit Grab Sample.**


Analyst


Review

CHAIN OF CUSTODY RECORD

10284

Client / Project Name BLASS /BP			Project Location BLOW PIT SELLERS LS #6		ANALYSIS / PARAMETERS									
Sampler: NTV			Client No. 94034-010		No. of Containers (8015B)	TPH (8015B)	BTEX (8021B)					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								PRESERVED COOL GRAB SAMPLE		
① @ 7'	11/15/02	0835	24262	5012	1	✓	✓							
Relinquished by: (Signature) <i>Nelson Vil</i>			Date 11/15/02	Time 1042	Received by: (Signature) <i>E. Capen</i>						Date 11/15/02	Time 1042		
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:	11-18-TPH QA/QC	Date Reported:	11-18-02
Laboratory Number:	24262	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-18-02
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-25-02	2.7355E-002	2.7328E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-25-02	2.4557E-002	2.4508E-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

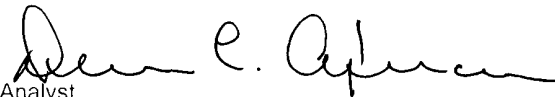
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	1,780	1,770	0.6%	0 - 30%
Diesel Range C10 - C28	8,820	8,790	0.3%	0 - 30%

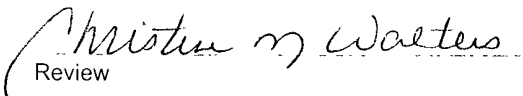
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	1,780	250	2,020	99.5%	75 - 125%
Diesel Range C10 - C28	8,820	250	9,050	99.8%	75 - 125%

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 24262 - 24264.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #:	N/A
Sample ID	11-18-BTEX QA/QC	Date Reported:	11-18-02
Laboratory Number	24262	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-18-02
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	2.6914E-002	2.6995E-002	0.3%	ND	0.2
Toluene	3.3709E-002	3.3777E-002	0.2%	ND	0.2
Ethylbenzene	5.8262E-002	5.8438E-002	0.3%	ND	0.2
p,m-Xylene	7.1891E-002	7.2107E-002	0.3%	ND	0.2
o-Xylene	5.4522E-002	5.4631E-002	0.2%	ND	0.1

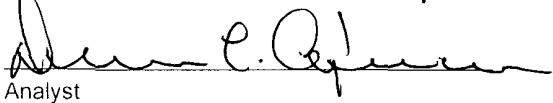
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff:	Accept Range	Detect: Limit
Benzene	84.1	85.5	1.7%	0 - 30%	1.8
Toluene	173	169	2.0%	0 - 30%	1.7
Ethylbenzene	208	204	2.0%	0 - 30%	1.5
p,m-Xylene	1,780	1,810	1.7%	0 - 30%	2.2
o-Xylene	814	827	1.6%	0 - 30%	1.0

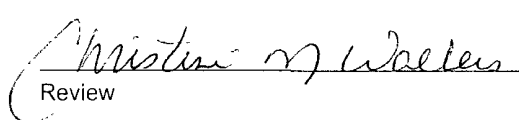
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	84.1	50.0	134	99.9%	39 - 150
Toluene	173	50.0	221	99.5%	46 - 148
Ethylbenzene	208	50.0	257	99.5%	32 - 160
p,m-Xylene	1,780	100	1,870	99.5%	46 - 148
o-Xylene	814	50.0	863	99.9%	46 - 148

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 sample 24262.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client / Project Name BLAGG / BP			Project Location BLOW PIT		ANALYSIS / PARAMETERS									
Sampler: NJV			Client No. 94634-010		No. of Containers TPH (805B)								Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									PREPARED LOO	
BH1 @ 17'-19'	12/13/02	1430	24419	SOIL	1	✓							GRAB SAMPLE	
Relinquished by: (Signature) Mickon Vef			Date 12/16/02	Time 0753	Received by: (Signature) D. L. Ophir			Date 12/16/02	Time 0253					
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:	12-17-TPH QA/QC	Date Reported:	12-17-02
Laboratory Number:	24417	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-17-02
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-25-02	2.7355E-002	2.7328E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-25-02	2.4557E-002	2.4508E-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

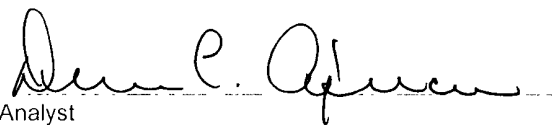
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

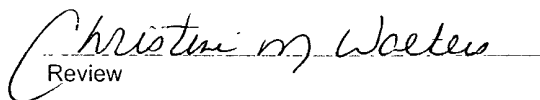
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	249	99.4%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.0%	75 - 125%

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 24417 - 24420.


Analyst


Review