

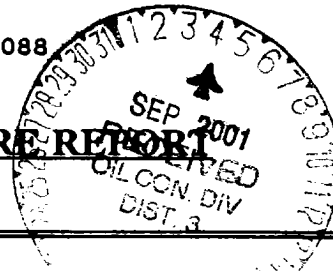
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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: AMMIE L. ELLIOTT C # 1A
Well Name
Location: Unit or Qtr/Qtr Sec E Sec 15 T 29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length , width , depth
(Attach diagram)
Reference: wellhead X, other
Footage from reference: 190
Direction from reference: 45 Degrees X East North X
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)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 10-31-94

Remediation Method: Excavation _____ Approx. cubic yards _____
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____

Other EXCAVATED TRENCH FOR SAMPLING PURPOSES -
NO CONTAMINATION FOUND.

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

General Description Of Remedial Action: _____

Excavation - NO CONTAMINATION

nmad letter correspondence 12-4-94

Ground Water Encountered: No X 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 10'

Sample date 10-31-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1

TPH 26 ppm

Ground Water 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 11/3/94

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS TO Bob Wied 10-31-99 RLB

| | | |
|----------------------|--|--|
| CLIENT: <u>Amoco</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>80140</u> C.O.C. NO: <u>—</u> |
|----------------------|--|--|

FIELD REPORT: PIT CLOSURE VERIFICATION

| | |
|---|---------------------------------------|
| LOCATION: NAME: <u>A.L. ELLIOTT</u> C WELL #: <u>1A</u> PIT: <u>Blow</u> | DATE STARTED: <u>10-31-99</u> |
| QUAD/UNIT: <u>E</u> SEC: <u>15</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> | DATE FINISHED: <u>—</u> |
| QTR/FOOTAGE: <u>SW/NW</u> CONTRACTOR: <u>PAUL + SONS</u> | ENVIRONMENTAL SPECIALIST: <u>R Eo</u> |

| | |
|---|--|
| EXCAVATION APPROX. <u>—</u> FT. x <u>—</u> FT. x <u>—</u> FT. DEEP. | CUBIC YARDS: <u>—</u> |
| DISPOSAL FACILITY: <u>ON SITE</u> | REMEDIATION METHOD: <u>LANDFARM</u> |
| LAND USE: <u>RANGE</u> | LEASE: <u>078132</u> FORMATION: <u>—</u> |

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 190 FEET N45°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

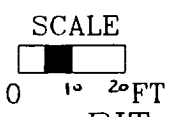
PIT APPEARS CLEAN - TWO MARCHES DUG FOR SAMPLING PURPOSES.

BROWN, MOIST, SILTY SAND - NO ODOR / STAIN.

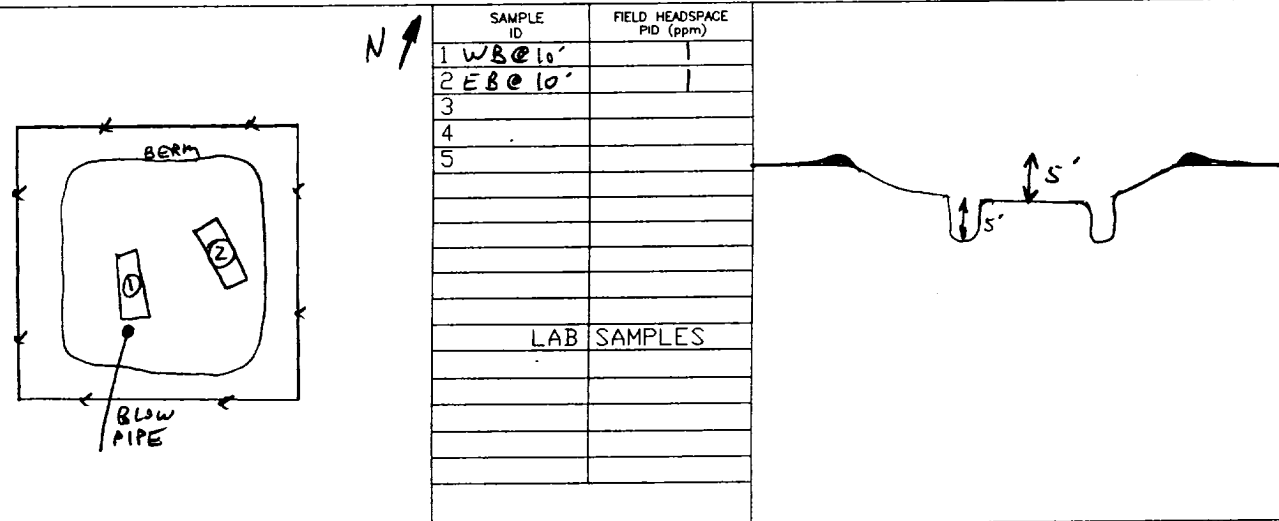
FIELD 418.1 CALCULATIONS

| SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|-------------|---------|------------|-----------|----------|---------|-----------|
| WB@10' | 1238 | 10.0 | 20.0 | — | 13 | 26 |
| | | | | | | |
| | | | | | | |

CLOSE PIT
AS IS



PIT PERIMETER OVM RESULTS PIT PROFILE



TRAVEL NOTES: CALLOUT: 10-31-99 ONSITE: 10-31-99 1040

BLAGG ENGINEERING, INC.
P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client: Amoco
Sample ID: W Bottom @ 10'
Project Location: A.L. Elliott C 1A
Laboratory Number: TPH-1238

Project #:
Date Analyzed: 10-31-94
Date Reported: 10-31-94
Sample Matrix: Soil

| Parameter ----- | Result, mg/kg ----- | Detection Limit, mg/kg ----- |
|---|------------------------|------------------------------------|
| Total Recoverable Petroleum Hydrocarbons | 26 | 10 |

ND = Not Detectable at stated detection limits.

| | | | |
|--------|------------------------------------|---------------------------------|----------------------|
| QA/QC: | QA/QC Sample TPH mg/kg ----- | Duplicate TPH mg/kg ----- | % *Diff. ----- |
| | 3,400 | 2,920 | 15 |

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Blow Pit - B0140

R. E. O'Neill
Analyst

Hilson Vely
Review

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

strict III

1600 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico

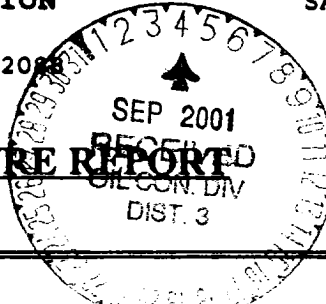
Energy, Minerals and Natural Resources Department

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AND 1 COPY TO
SANTA FE OFFICE**

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2093



PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company **Telephone:** (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: ANNIE L. ELLIOTT C⁴ 1A
Well Name _____

Location: Unit or Qtr/Qtr Sec E Sec 15 T 29N R 9W County San Juan

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 20, width 20, depth 18
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 80

Direction from reference: 65 Degrees X East North
 of
 West South X

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) ☐

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) O

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 10-31-94Remediation Method: Excavation X Approx. cubic yards 250
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation

_____Ground Water Encountered: No X 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 20'Sample date 10-31-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 1TPH 16 ppmGround Water 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 BELIEFDATE 11/3/94

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
ENVIRONMENTAL COORDINATOR

RESULTS TO BOB MCEL 10-31-94 PEO

| | | |
|----------------------|--|--|
| CLIENT: <u>AMOCO</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>80140</u> C.O.C. NO: <u>—</u> |
|----------------------|--|--|

FIELD REPORT: PIT CLOSURE VERIFICATION

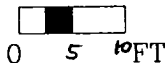
| | |
|---|--------------------------------------|
| LOCATION: NAME: <u>A.L. ELLIOTT</u> C WELL #: <u>1A</u> PIT: <u>SEP.</u> | DATE STARTED: <u>10-31-94</u> |
| QUAD/UNIT: <u>E</u> SEC: <u>15</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> | DATE FINISHED: <u>—</u> |
| QTR/FOOTAGE: <u>SW/NW</u> CONTRACTOR: <u>PAUL + SONS</u> | ENVIRONMENTAL SPECIALIST: <u>PEO</u> |
| EXCAVATION APPROX. <u>20</u> FT. x <u>20</u> FT. x <u>18</u> FT. DEEP. CUBIC YARDS: <u>250</u> | |
| DISPOSAL FACILITY: <u>ON SITE</u> REMEDIATION METHOD: <u>CANDFARM</u> | |
| LAND USE: <u>RANGE</u> LEASE: <u>078132</u> FORMATION: <u>—</u> | |

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 80 FEET S65°E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: STEEL TANK TO BE INSTALLED
MOIST, BROWN, SAND - LOOSE - NO OIL/STAIN.

FIELD 418.1 CALCULATIONS

| SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|-------------|---------|------------|-----------|----------|---------|-----------|
| CB @ 20' | 1237 | 10.0 | 20.0 | — | 8 | 16 |
| | | | | | | |
| | | | | | | |

SCALE

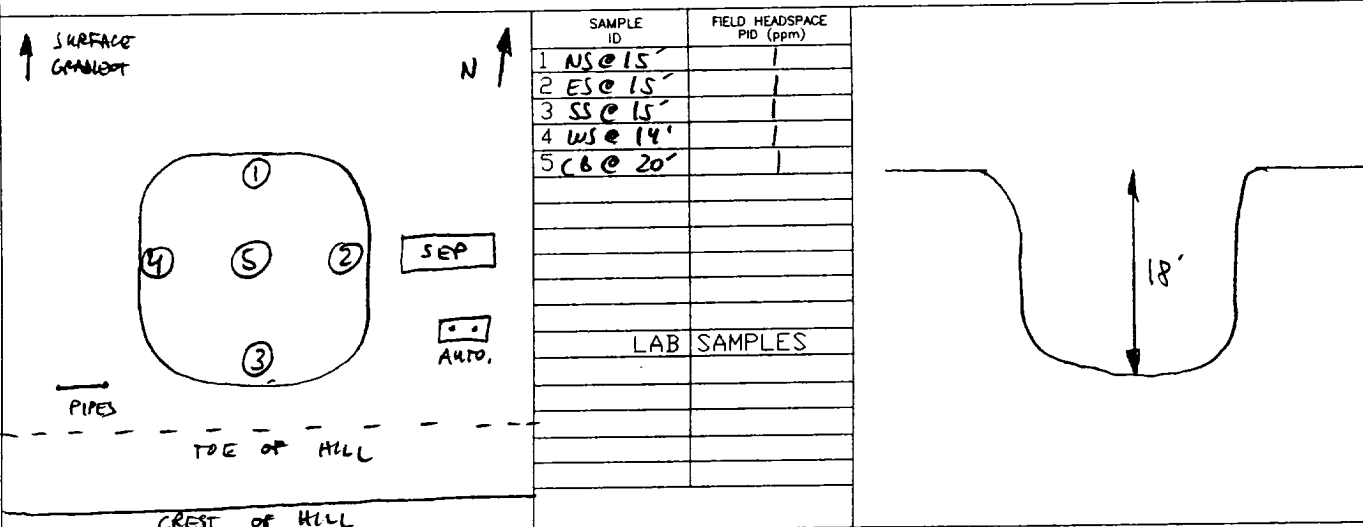


PIT PERIMETER

OVM RESULTS

PIT PROFILE

CLOSE PIT



TRAVEL NOTES: CALLOUT: 10-31-94 ONSITE: 10-31-94 0945

BLAGG ENGINEERING, INC.
P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

| | | | |
|--------------------|-------------------|----------------|----------|
| Client: | Amoco | Project #: | |
| Sample ID: | C Bottom @ 20' | Date Analyzed: | 10-31-94 |
| Project Location: | A.L. Elliott C 1A | Date Reported: | 10-31-94 |
| Laboratory Number: | TPH-1237 | Sample Matrix: | Soil |

| Parameter ----- | Result, mg/kg ----- | Detection Limit, mg/kg ----- |
|---|------------------------|------------------------------------|
| Total Recoverable Petroleum Hydrocarbons | 16 | 10 |

ND = Not Detectable at stated detection limits.

| | | | |
|--------|------------------------------------|---------------------------------|----------------------|
| QA/QC: | QA/QC Sample TPH mg/kg ----- | Duplicate TPH mg/kg ----- | % *Diff. ----- |
| | 3,400 | 2,920 | 15 |

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit - B0140

R. E. O'Neill
Analyst

Helen Velz
Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80140C.D.C. NO: 8413

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ELLIOTT, A.L. C WELL #: 1A PITS: BLOW, SEP.
QUAD/UNIT: E SEC: 15 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: _____ SW/NW CONTRACTOR: P & SDATE STARTED: 6/7/01

DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 225LAND USE: RANGE - BLM SF-078132LIFT DEPTH (ft): 1.5

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOOD RANKING SCORE: 0 NMOOD TPH CLOSURE STD: 5000 PPM P.C. - 10/31/94

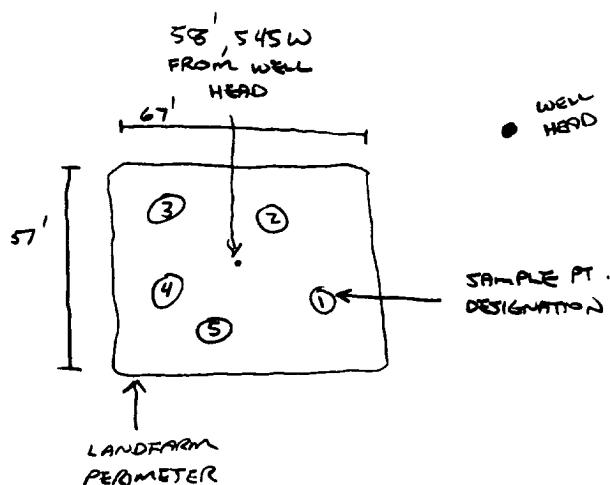
OK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST TO MOIST, FIRM TO LOOSE, STAINING APPARENT ON APPROX. 40% OF LANDFARM SURFACE (SAMPLE PTS. ①, ③, & ④ COLLECTED @ STAINED AREAS), SAMPLE DEPTHS RANGED FROM 6"-12", FAINT HC OOR DETECTED IN OUR SAMPLE, COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

OVM CALIB. READ. 52.9 ppm
TIME: 0955 am pm 6/7/01

OVM RESULTS

LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS | TIME | RESULTS |
|-----------|---------------------------|-----------|------------|------|---------|
| LF-1 | 12.5 | LF-1 | TPH (8015) | 1015 | NV |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SCALE



0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 6/7/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

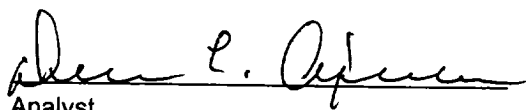
| | | | |
|----------------------|-----------------|---------------------|-----------|
| Client: | Blagg / BP | Project #: | 94034-010 |
| Sample ID: | LF - 1 | Date Reported: | 06-11-01 |
| Laboratory Number: | 19997 | Date Sampled: | 06-07-01 |
| Chain of Custody No: | 8413 | Date Received: | 06-07-01 |
| Sample Matrix: | Soil | Date Extracted: | 06-08-01 |
| Preservative: | Cool | Date Analyzed: | 06-11-01 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

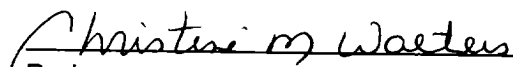
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.1 |

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: Elliott, A.L. C #1A Landfarm 5 Pt. Composite.


Analyst


Review

08413

[illegible]