

NM1 - ____11__

APPROVALS

YEAR(S):

____2010____



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel

Cabinet Secretary

Karen W. Garcia

Deputy Cabinet Secretary

Mark Fesmire

Division Director

Oil Conservation Division



December 8, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Reuse Remediated Soils for the Stabilization/Solidification of Drilling Mud, Tank Bottoms, and Sludge
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated November 2, 2010 to remove approximately 15,000 cubic yards of remediated soils from **Cell 5**; stockpile in a designated bermed area; and utilize the remediated soils for the stabilization and/or solidification of incoming drilling mud, tank bottoms, and sludge. The analytical results provided in the request, demonstrates that Envirotech has remediated the contaminated soils within **Cell 5** to the concentration limits that would allow OCD the authority approval the application of additional lift.

OCD hereby grants Envirotech approval to reuse the remediated soils from **Cell 5** for the stabilization and/or solidification of incoming drilling mud, tank bottoms, and sludge with the following conditions:

Cell 5:

- Envirotech shall control blowing dust and reduce the potential of fugitive dust emissions while transferring the remediated soils from Cell 5 to the designated stockpile area. Pursuant Paragraph (6) of Subsection C of Section 15 of 19.15.36 NMAC, operational requirements regarding landfarms, Envirotech may "add moisture, as necessary," to the remediated soils "to control blowing dust."
- Envirotech shall complete a vadose zone monitoring/sampling event upon the removal of the remediated soils to the original native ground surface.
- If the remediated soils are removed in a phased approach, Envirotech shall complete a vadose zone monitoring/sampling event upon the removal of the remediated soils to the original native ground surface within each phase.

Oil Conservation Division
1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3440 • Fax (505) 476-3462 • www.emnrd.state.nm.us/OCD



- Envirotech shall comply with the release response provision of Paragraph (5) of Subsection E of 19.15.36.15 NMAC, if “vadose zone sampling results show that the concentrations of TPH, BTEX or chlorides exceed the higher of the PQL or the background soil concentrations.”
- Envirotech shall obtain OCD approval prior to the placement and application of contaminated soils within Cell 5.

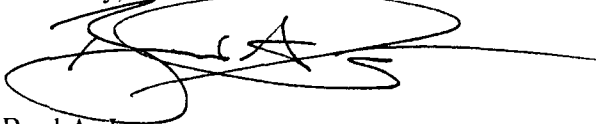
Stockpiling of Remediated Soils:

- Envirotech shall ensure that the area containing the stockpiled remediated soils be properly bermed to prevent the collection of surface water run-on and control storm water run-off.
- Envirotech shall ensure that no pooling or ponding of run-off water occur within the bermed stockpile area. Envirotech shall remove any ponding of precipitation within twenty-four (24) hours of discovery.
- Envirotech shall ensure that the stockpiled remediated soils do not exceed a height of six (6) feet.
- Envirotech shall control blowing dust and reduce the potential of fugitive dust emissions of the stockpiled remediated soils from leaving the surface waste management facility. Pursuant Paragraph (6) of Subsection C of Section 15 of 19.15.36 NMAC, operational requirements regarding landfarms, Envirotech may “add moisture, as necessary,” to the stockpiled remediated soils “to control blowing dust.” If necessary, OCD may require Envirotech to reduce the height of the stockpiled remediated soils to address fugitive dust emissions.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

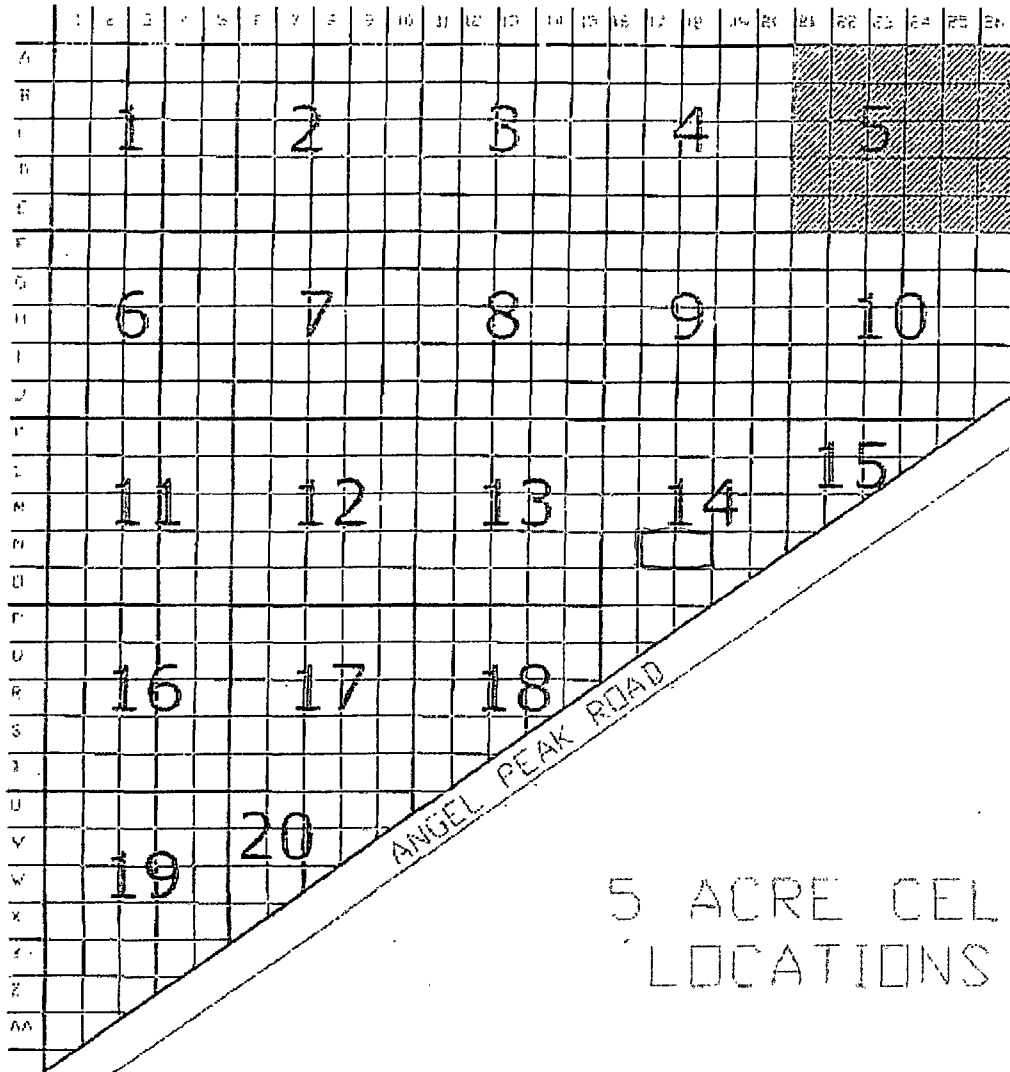


Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (dated August 12, 2010)


cc: OCD District III Office, Aztec



5 ACRE CELL
LOCATIONS

KEY

19 5 ACRE CELL

| | | | |
|--|------|------------|-------------|
| ENVIROTECH NMOCD PERMITTED LANDFARM # 2 CELL 5 | | | |
| SCALE: 1=100' | | FIGURE NO. | REV |
| PROJECT NO. | | | |
| REVISIONS | | | |
| | | | |
| | | | |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | EWB | 8-12-10 | BASE DRWN |
|  envirotech | | | |
| 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615 | | | |



November 2, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OCD

2010 NOV -3 P 2:00

RE: Second Request for removal of remediated soil in Cell 5.

Dear Mr. Jones:

On August 12, we sent in a request to remove remediated soil from a five (5) acre cell from an area in Land Farm 2. This letter is to remind you of this request as we realize you have been extremely busy.

In reviewing the total cubic yardages in our five (5) acre cells we would like to request approval from the NMOCD to remove remediated soil from Cell 5 in Land Farm 2 and reuse it as blending stock.

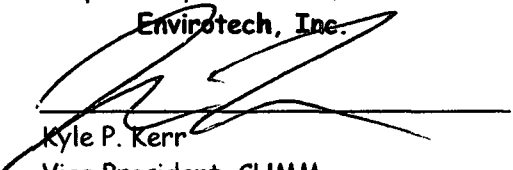
Cell 5 presently contains 12,051 cubic yards of soil. In the effort to keep the remediation zone at an acceptable level of less than 15,000 cubic yards or less than 24", we do not want to add an additional layer of soil. Envirotech Inc proposes to remove approximately 12,100 cubic yards of remediated soil and stockpile it to be used as blending stock. The material will be stored in the bermed area in use for the current supply of blending stock. All of the remediated soil has been tested and has passed the NMOCD requirements for discontinued maintenance. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 cell 5 has passed laboratory analysis with less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. Cell 5 was sampled using a five point composite protocol, results are attached. In addition the area designated for stockpiling is mapped as requested.

Envirotech Inc. anticipates the remediated material will be used for blending stock in the next five (5) years, however, that is not guaranteed, as we have no way to forecast the amount of material we will receive.

Envirotech Inc. respectfully requests expedition of this matter, in order that we may continue to serve the Four Corners region without interruption.

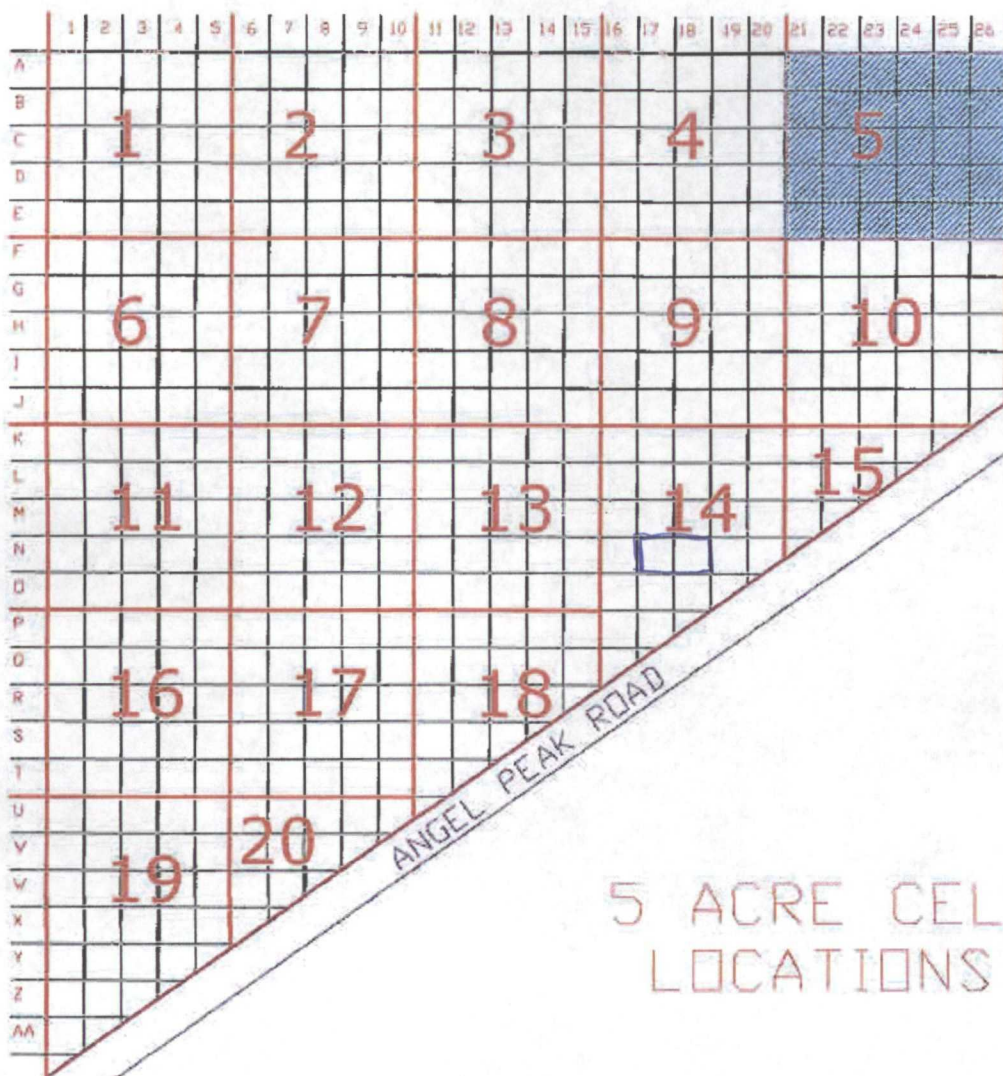
Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Kyle P. Kerr
Vice President, CHMM
kpkerr@envirotech-inc.com


April E. Pohl
Land Farm Administrator
apohl@envirotech-inc.com

AEP/Office/Corporate/LF/2ndLF2Cell5removalrequest/2010/11-2-10



5 ACRE CELL
LOCATIONS

KEY

19 5 ACRE CELL

ENVIROTECH
NMOCD PERMITTED
LANDFARM # 2
CELL 5

SCALE: 1=100'

FIGURE NO.

REV

PROJECT NO.

REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|----------|------|---------|-------------|
| MAP DRWN | BWW | 8-12-10 | BASE DRWN |

MAP DRWN

BWW

8-12-10

BASE DRWN



envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



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

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 5 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55396 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-04-10 |
| Preservative: | Cool | Date Analyzed: | 08-05-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |


| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 47.9 | 0.1 |
| Total Petroleum Hydrocarbons | 47.9 | 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: **Land Farm 2 Closures**


Analyst


Review



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

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 08-05-10 QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55425 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-05-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 |

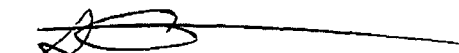
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |


| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 258 | 103% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 253 | 101% | 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 55393-55397, 55410-55411, 55425, 55428 and 55431


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 5 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55396 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-05-10 |
| Preservative: | Cool | Date Extracted: | 08-04-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

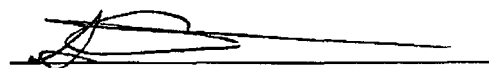
ND - Parameter not detected at the stated detection limit.

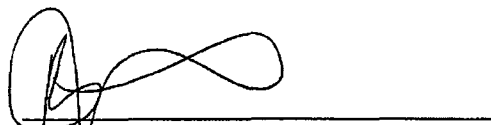
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.6 % |
| | 1,4-difluorobenzene | 103 % |
| | Bromochlorobenzene | 101 % |

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: Land Farm 2 Closures


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0805BBLK QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55393 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-05-10 |
| 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 | 1.0839E+006 | 1.0861E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.2145E+006 | 1.2169E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.0890E+006 | 1.0912E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.7702E+006 | 2.7757E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.8493E+005 | 9.8690E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 50.5 | 101% | 39 - 150 |
| Toluene | ND | 50.0 | 50.3 | 101% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 49.4 | 98.8% | 32 - 160 |
| p,m-Xylene | ND | 100 | 99.4 | 99.4% | 46 - 148 |
| o-Xylene | ND | 50.0 | 48.8 | 97.7% | 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 55393-55397, 55410-55411, 55428 and 55431

Analyst

Review



Chloride

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 5 | Date Reported: | 08-04-10 |
| Lab ID#: | 55396 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10091 |

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


Total Chloride

5

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Land Farm 2 Closures


Analyst


Review

CHAIN OF CUSTODY RECORD

10091

| Client: EnviroTech | | | Project Name / Location: Land Farm 2 Closures | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | |
|---|-------------|-------------|--|---------------------------|--------------------------|---|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|--|--|--------|-------------|---------------|---|
| Client Address: | | | Sampler Name: Rene Garcia Reyes | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | PCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact | |
| Client Phone No.: | | | Client No.: 1-02-60001 | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative | | | | | | | | | | | | | | | |
| | | | | | | H ₂ O ₂ | HCl | | | | | | | | | | | | | | |
| 63 | 8/2/10 | 14:40 | 55393 | Soil Solid Sludge Aqueous | 4oz | | | X | X | X | | | | | | | | X | | Y | Y |
| 64 | | 14:50 | 55394 | Soil Solid Sludge Aqueous | | | | X | X | X | | | | | | | | X | | | |
| 65 | | 15:00 | 55395 | Soil Solid Sludge Aqueous | | | | X | X | X | | | | | | | | X | | | |
| 5 | | 15:20 | 55396 | Soil Solid Sludge Aqueous | | | | X | X | X | | | | | | | | X | | | |
| 28 | | 15:50 | 55397 | Soil Solid Sludge Aqueous | | | | X | X | X | | | | | | | | X | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | Date | Time | Received by: (Signature) <i>[Signature]</i> | | | | | | | | | | | | Date | Time | | |
| | | | | 8/2/10 | 17:56 | | | | | | | | | | | | | 8/2/10 | 17:56 | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

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Jim Noel

Cabinet Secretary

Karen W. Garcia

Deputy Cabinet Secretary

Mark Fesmire

Division Director

Oil Conservation Division



December 8, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated November 2, 2010 to grant approval to apply an additional six-inch lift to the following cell(s):
Cells 21, 22, 23, 25, and 27.

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cell(s). Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced landfarm cells does not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. The "parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell," as stated in the November 2, 2010 request, is not equivalent to the regulatory requirement is identified above. *It is OCD's understand, from conversations with Mr. Kyle Kerr, that the thickness of each cell would be measured and confirmed during the next vadose zone sampling event.* Please provide the thickness in future requests. Also, please note that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does

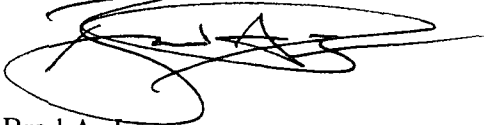


Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
December 8, 2010
Page 2 of 2

approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a large, stylized flourish extending from the end of the signature.

Brad A. Jones
Environmental Engineer

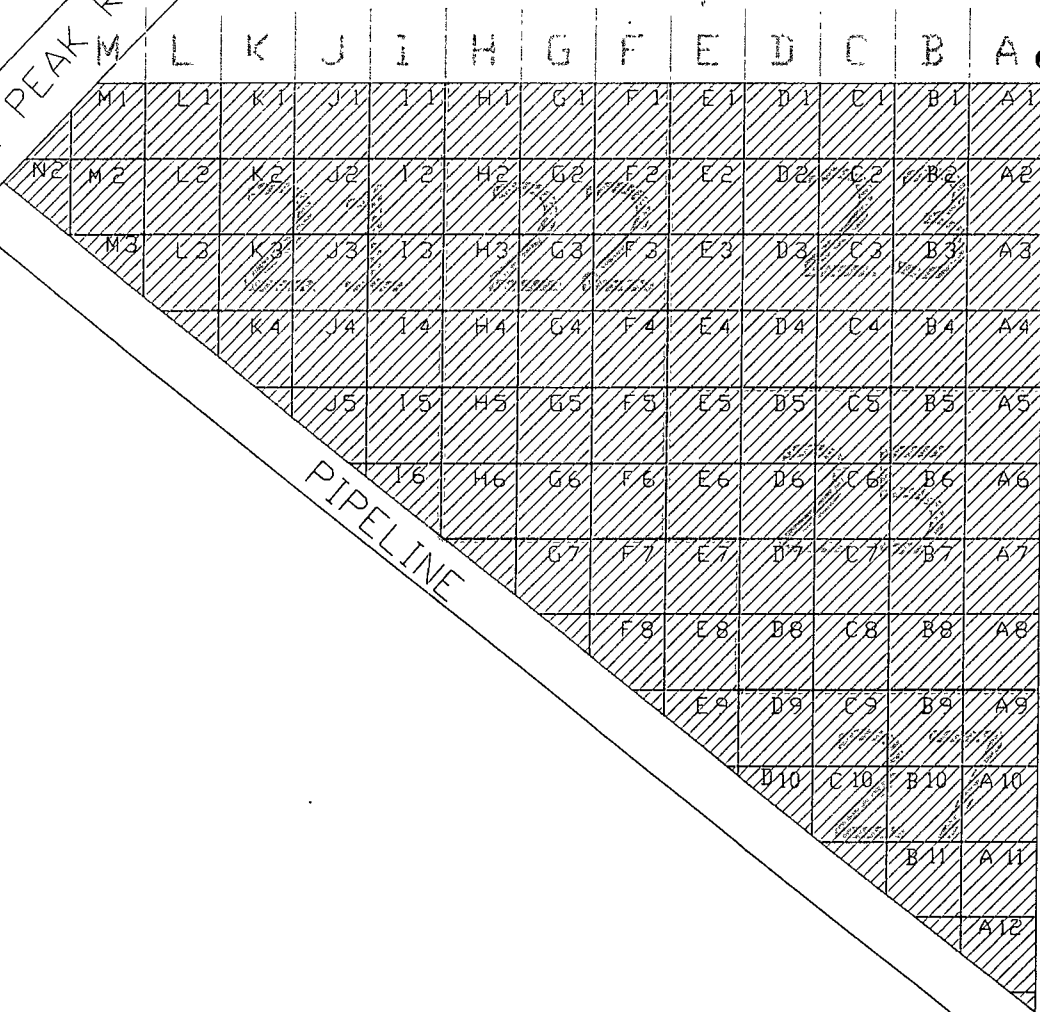
BAJ/baj

Attachment: Facility Map (Revision Date: December 7, 2009)

cc: OCD District III Office, Aztec

ANGEL PEAK ROAD

PIPELINE



KEY

A₈ CELL LABELS

27 5 ACRE CELL.

ENVIROTECH
NMOC D PERMITTED.
LANDFARM # 2
UNIT 4
REQUEST ADDITIONAL LAYER

SCALE: 1 = 100'

PROJECT NO

FIGURE NO.

REV

REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|----------|---------|-----------|-------------|
| MAP DRWN | 12-7-09 | BASE DRWN | |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



November 2, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: ENVIROTECH'S LANDFARM #2 DISCONTINUED MAINTENANCE AND ADDITIONAL
LIFT FOR CELLS 21, 22, 23, 25 AND 27 IN LANDFARM 2 UNIT 4.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2 Unit 4, for cells 21, 22, 23, 25 AND 27 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 all cells being requested for discontinued maintenance have passed laboratory analysis of less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were five-point composites. Remediation zone layers averaged 6" in depth, results available upon request.

The blue cells (21, 22, 23, 25 AND 27) have passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (see attached laboratory results). Envirotech hereby requests these cells be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to these cells.

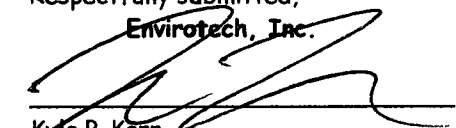
Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts in each cell up to this time:

| | | |
|-------------------|-------------------|-------------------|
| Cell 21: 7,708 cy | Cell 22: 5,418 cy | Cell 23: 6,651 cy |
| Cell 25: 7,606 cy | Cell 27: 6,492 cy | |

Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 suffers limited space constraints. Envirotech respectfully requests expedition of this matter that to serve the Four Corners region without interruption.

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

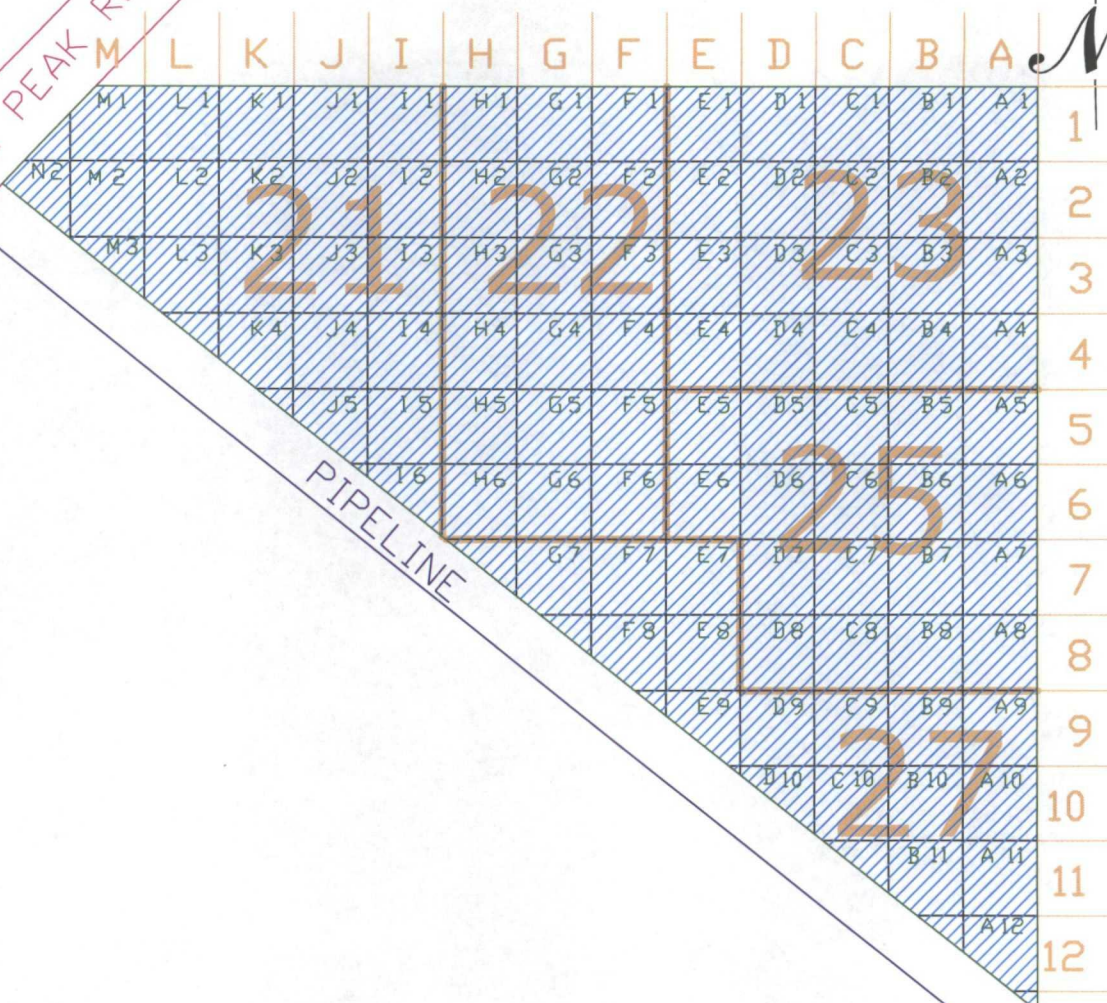

Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com


April E. Pohl
Landfarm Administrator
apohl@envirotech-inc.com

AEP/Office/Corporate/LF/Closure&added lift/11-2-10

ANGEL PEAK ROAD

PIPELINE



KEY



CELL LABELS



5 ACRE CELL

ENVIROTECH NMOC D PERMITTED LANDFARM # 2 UNIT 4 REQUEST ADDITIONAL LAYER

SCALE: 1 = 100'

PROJECT NO.

FIGURE NO.

REV

REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|----------|---------|-----------|-------------|
| MAP DRWN | 12-7-09 | BASE DRWN | |



envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 23 | Date Reported: | 10-04-10 |
| Laboratory Number: | 55981 | Date Sampled: | 09-27-10 |
| Chain of Custody No: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-10 |
| Preservative: | Cool | Date Analyzed: | 10-01-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 6.4 | 0.1 |
| Total Petroleum Hydrocarbons | 6.4 | |

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: **Land Farm 2 Unit 4 Closures**



Analyst



Review

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

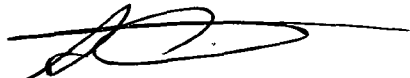
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 22 | Date Reported: | 10-04-10 |
| Laboratory Number: | 55982 | Date Sampled: | 09-27-10 |
| Chain of Custody No: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-10 |
| Preservative: | Cool | Date Analyzed: | 10-01-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 0.6 | 0.2 |
| Diesel Range (C10 - C28) | 4.0 | 0.1 |
| Total Petroleum Hydrocarbons | 4.6 | |

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: Land Farm 2 Unit 4 Closures



Analyst



Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 21 | Date Reported: | 10-04-10 |
| Laboratory Number: | 55983 | Date Sampled: | 09-27-10 |
| Chain of Custody No: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-10 |
| Preservative: | Cool | Date Analyzed: | 10-01-10 |
| Condition: | 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 | |

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: **Land Farm 2 Unit 4 Closures**



Analyst

Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 25 | Date Reported: | 10-04-10 |
| Laboratory Number: | 55984 | Date Sampled: | 09-27-10 |
| Chain of Custody No: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-10 |
| Preservative: | Cool | Date Analyzed: | 10-01-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 4.0 | 0.1 |
| Total Petroleum Hydrocarbons | 4.0 | |

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: **Land Farm 2 Unit 4 Closures**



Analyst

Review

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


| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 27 | Date Reported: | 10-04-10 |
| Laboratory Number: | 55985 | Date Sampled: | 09-27-10 |
| Chain of Custody No: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-10 |
| Preservative: | Cool | Date Analyzed: | 10-01-10 |
| Condition: | 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 | |

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: **Land Farm 2 Unit 4 Closures**



Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 10-01-10 QA/QC | Date Reported: | 10-04-10 |
| Laboratory Number: | 55981 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 10-01-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 10-01-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 10-01-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 | |

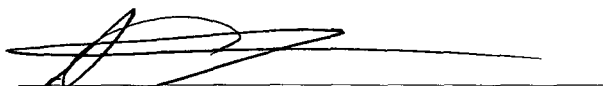
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | 6.4 | 6.3 | 1.6% | 0 - 30% |


| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | ND | 250 | 251 | 100% | 75 - 125% |
| Diesel Range C10 - C28 | 6.4 | 250 | 260 | 101% | 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 55981-55985, 56008-56011


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 23 | Date Reported: | 10-06-10 |
| Laboratory Number: | 55981 | Date Sampled: | 09-27-10 |
| Chain of Custody: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-10 |
| Preservative: | Cool | Date Extracted: | 09-30-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|----------------------------|------------------|
| | Fluorobenzene | 90.8 % |
| | 1,4-difluorobenzene | 86.0 % |
| | Bromochlorobenzene | 91.2 % |

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: Land Farm 2 Unit 4 Closures


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 22 | Date Reported: | 10-06-10 |
| Laboratory Number: | 55982 | Date Sampled: | 09-27-10 |
| Chain of Custody: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-10 |
| Preservative: | Cool | Date Extracted: | 09-30-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 85.8 % |
| | 1,4-difluorobenzene | 78.2 % |
| | Bromochlorobenzene | 88.2 % |

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: Land Farm 2 Unit 4 Closures


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 21 | Date Reported: | 10-06-10 |
| Laboratory Number: | 55983 | Date Sampled: | 09-27-10 |
| Chain of Custody: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-10 |
| Preservative: | Cool | Date Extracted: | 09-30-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 96.7 % |
| | 1,4-difluorobenzene | 92.6 % |
| | Bromochlorobenzene | 93.1 % |

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: Land Farm 2 Unit 4 Closures


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 25 | Date Reported: | 10-06-10 |
| Laboratory Number: | 55984 | Date Sampled: | 09-27-10 |
| Chain of Custody: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-10 |
| Preservative: | Cool | Date Extracted: | 09-30-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|----------------------------|------------------|
| | Fluorobenzene | 97.0 % |
| | 1,4-difluorobenzene | 88.7 % |
| | Bromochlorobenzene | 95.7 % |

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: Land Farm 2 Unit 4 Closures


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 27 | Date Reported: | 10-06-10 |
| Laboratory Number: | 55985 | Date Sampled: | 09-27-10 |
| Chain of Custody: | 10411 | Date Received: | 09-27-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-10 |
| Preservative: | Cool | Date Extracted: | 09-30-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|----------------------------|------------------|
| | Fluorobenzene | 98.1 % |
| | 1,4-difluorobenzene | 84.3 % |
| | Bromochlorobenzene | 95.2 % |

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: Land Farm 2 Unit 4 Closures


 Analyst


 Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0930BBLK QA/QC | Date Reported: | 10-06-10 |
| Laboratory Number: | 55981 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-30-10 |
| Condition: | N/A | Analysis: | BTEX |
| | | Dilution: | 10 |

| Calibration and Detection Limits (ug/L) | I-Cal RF | C-Cal RF | %Diff | Blank Conc | Detect Limit |
|--|-------------|----------------------|-------|---------------|-----------------|
| | | Accept Range 0 - 15% | | | |
| Benzene | 4.7025E+006 | 4.7119E+006 | 0.2% | ND | 0.1 |
| Toluene | 4.0356E+006 | 4.0437E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 3.0406E+006 | 3.0467E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 7.3692E+006 | 7.3840E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 2.7144E+006 | 2.7198E+006 | 0.2% | ND | 0.1 |

| Duplicate Conc: (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc: (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 500 | 479 | 95.8% | 39 - 150 |
| Toluene | ND | 500 | 546 | 109% | 46 - 148 |
| Ethylbenzene | ND | 500 | 438 | 87.5% | 32 - 160 |
| p,m-Xylene | ND | 1000 | 935 | 93.5% | 46 - 148 |
| o-Xylene | ND | 500 | 459 | 91.7% | 46 - 148 |

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 55981-55985

Analyst

Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 23 | Date Reported: | 09-29-10 |
| Lab ID#: | 55981 | Date Sampled: | 09-27-10 |
| Sample Matrix: | Soil | Date Received: | 09-27-10 |
| Preservative: | Cool | Date Analyzed: | 09-29-10 |
| Condition: | Intact | Chain of Custody: | 10411 |

Parameter**Concentration (mg/Kg)****Total Chloride****340**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 4 Closures**



Analyst

Review


| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 22 | Date Reported: | 09-29-10 |
| Lab ID#: | 55982 | Date Sampled: | 09-27-10 |
| Sample Matrix: | Soil | Date Received: | 09-27-10 |
| Preservative: | Cool | Date Analyzed: | 09-29-10 |
| Condition: | Intact | Chain of Custody: | 10411 |

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

Total Chloride**80**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 4 Closures**



Analyst

Review

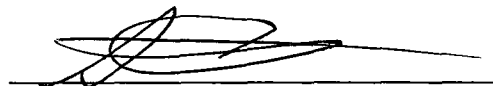
| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 21 | Date Reported: | 09-29-10 |
| Lab ID#: | 55983 | Date Sampled: | 09-27-10 |
| Sample Matrix: | Soil | Date Received: | 09-27-10 |
| Preservative: | Cool | Date Analyzed: | 09-29-10 |
| Condition: | Intact | Chain of Custody: | 10411 |

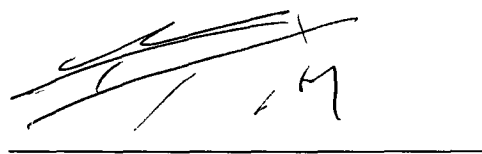
| Parameter | Concentration (mg/Kg) |
|-----------|-----------------------|
|-----------|-----------------------|

Total Chloride**60**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 4 Closures**



Analyst

Review



| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 25 | Date Reported: | 09-29-10 |
| Lab ID#: | 55984 | Date Sampled: | 09-27-10 |
| Sample Matrix: | Soil | Date Received: | 09-27-10 |
| Preservative: | Cool | Date Analyzed: | 09-29-10 |
| Condition: | Intact | Chain of Custody: | 10411 |

Parameter

Concentration (mg/Kg)

Total Chloride

95

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 4 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 27 | Date Reported: | 09-29-10 |
| Lab ID#: | 55985 | Date Sampled: | 09-27-10 |
| Sample Matrix: | Soil | Date Received: | 09-27-10 |
| Preservative: | Cool | Date Analyzed: | 09-29-10 |
| Condition: | Intact | Chain of Custody: | 10411 |

Parameter

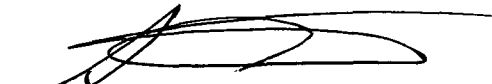
Concentration (mg/Kg)


Total Chloride

45

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 4 Closures**



Analyst

Review

CHAIN OF CUSTODY RECORD

10411

| Client: EnviroTech | | | Project Name / Location: Land Farm Unit 4 Closures | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | |
|------------------------------|-------------|-------------|---|--------------------|--------------------------|--|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|-------------|---------------|--|
| Client Address: | | | Sampler Name: Rene Garcia Reyes | | | <div style="display: flex; justify-content: space-between;"> <div> TPH (Method 8015) <input checked="" type="checkbox"/> BTEX (Method 8021) <input checked="" type="checkbox"/> VOC (Method 8260) <input checked="" type="checkbox"/> PCRA 8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE <input checked="" type="checkbox"/> Sample Cool Sample Intact </div> </div> | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: 1-02-60001 | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | PCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | Sample Cool | Sample Intact | |
| 23 | 9/27/10 | 15:30 | 55981 | Soil Solid Aqueous | 402 | | X | X | X | | | | | | | X | X | X | |
| 22 | | 15:45 | 55982 | Soil Solid Aqueous | | | X | X | X | | | | | | | X | X | X | |
| 21 | | 16:00 | 55983 | Soil Solid Aqueous | | | X | X | X | | | | | | | X | X | X | |
| 25 | | 16:15 | 55984 | Soil Solid Aqueous | | | X | X | X | | | | | | | X | X | X | |
| 27 | | 16:30 | 55985 | Soil Solid Aqueous | | | X | X | X | | | | | | | X | X | X | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid Aqueous | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | Date | Time | Received by: (Signature) | | | | | | | | | | Date | Time | | | |
| | | | 9/27/10 | 17:25 | Rene Garcia Reyes | | | | | | | | | | 9/27/10 | 17:25 | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | |



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel

Cabinet Secretary

Karen W. Garcia

Deputy Cabinet Secretary

Mark Fesmire

Division Director

Oil Conservation Division



September 28, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

RE: Clearance Completion Notification/Demonstration for Cell 28
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) demonstration and request, dated September 20, 2010 to demonstrate that after the removal of all remediated soils from Cell 28 for the stabilization and/or solidification of incoming drilling mud, tank bottoms, and sludge the landfarm operations did not contaminate the vadose zone and to grant approval to apply a six-inch lift of petroleum hydrocarbon-contaminated soils for remediation to the following cell(s): **Cell 28.**

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cell(s). Please note that by applying a six-inch lift of petroleum hydrocarbon-contaminated soils for remediation to Cell 28 Envirotech must re-initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be 2-3 foot zone below the original native ground surface.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.



Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
September 28, 2010
Page 2 of 2

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

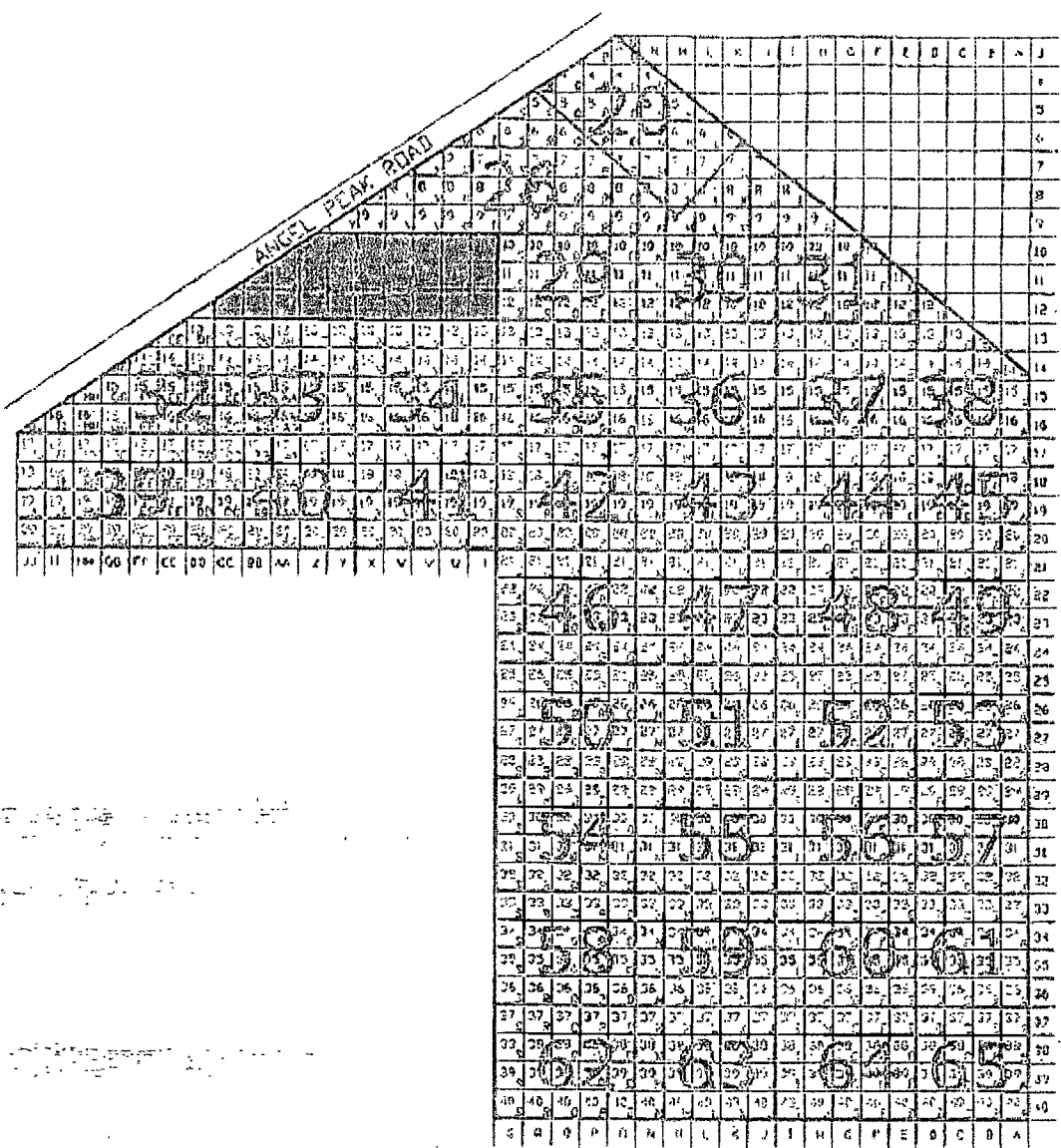
A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a long horizontal line extending to the right.

Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: August 12, 2010)

cc: OCD District III Office, Aztec



ENVIROTECH
NMOC D PERMITTED
LANDFARM # 2
UNIT 5
CELL 28

| | | | |
|---------------|------|------------|-------------|
| SCALE: 1=100' | | FIGURE NO. | REV |
| PROJECT NO. | | | |
| REVISIONS | | | |
| | | | |
| | | | |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | BWW | 8-12-10 | BASE DRWN |



envirotech



September 20, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Clearance completion notification for Cell 28, Landfarm 2, Envirotech Inc.

Dear Mr. Jones:

Envirotech Inc. is pleased to confirm the completion of the clearance of remediated soil from Cell 28, Landfarm 2 located near Hilltop, New Mexico.

Over the span of several months spanning January 11 to June 8, 2010 the clearing of the remediation zone on Cell 28 was completed. We anticipated removing at least 14,765 cubic yards. A total of 14,995 cubic yards of remediated soil were removed, down to the native soil. We used the guidelines provided by the NMOCD, staging the soil to be reused in the appropriate manner, no more than six (6) feet high and controlled to prevent fugitive dust emissions.

As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 cell 28 has passed laboratory analysis for background standards, proven by a vadose sampling as stated on the Chain of Custody form dated 9-15-10. In addition, Envirotech has sampled for chlorides. Cell 28 was sampled using a five point composite protocol, artist's rendition attached. Also, pursuant to our phone conversation of September 8, I have attached a copy of the first background sampling event in this area of Landfarm 2 Unit 5, done on October 8, 1993.

As Envirotech has successfully completed the removal, we respectfully request permission to begin using this area for a new application of soil to be remediated. As per normal procedure each layer of soil applied will be six inches or less in depth and the remediation process will begin anew.

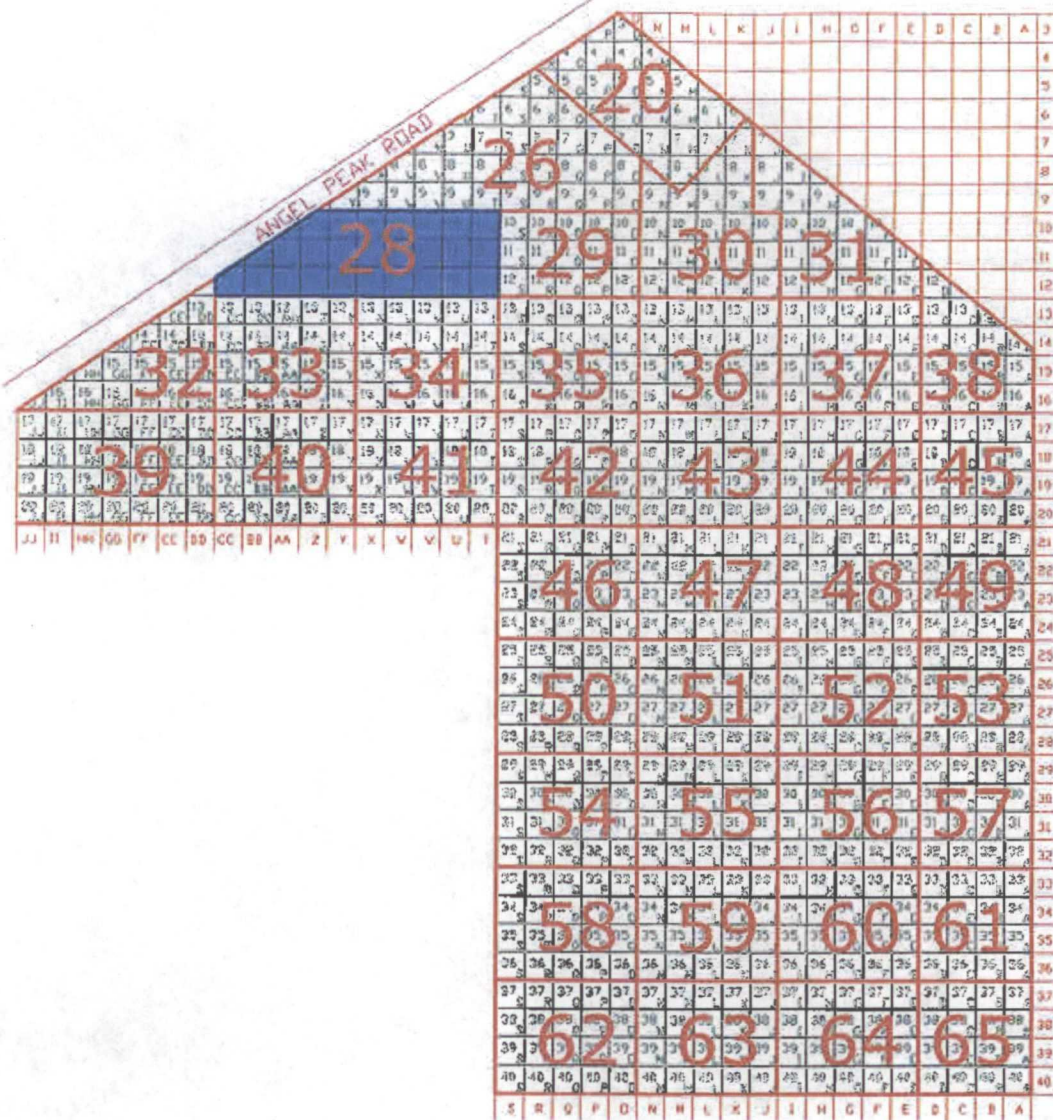
Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com

April E. Pohl
Landfarm Administrator
apohl@envirotech-inc.com

AEP/Office/Corporate/LF/LF2cell28clearance/2010/9-20-10



ENVIROTECH
NMOC PERMITTED
LANDFARM # 2
UNIT 5
CELL 28

| | | | |
|---------------|------|------------|-------------|
| SCALE: 1=100' | | FIGURE NO. | REV |
| PROJECT NO. | | | |
| REVISIONS | | | |
| | | | |
| | | | |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | BWW | 8-12-10 | BASE DRWN |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

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

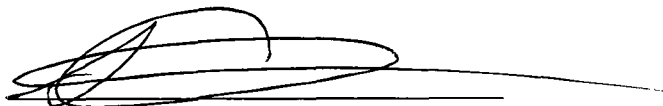
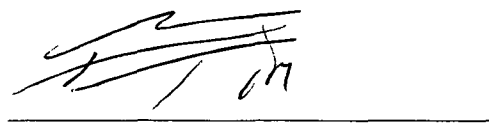
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 28 | Date Reported: | 09-15-10 |
| Laboratory Number: | 55855 | Date Sampled: | 09-14-10 |
| Chain of Custody No: | 10351 | Date Received: | 09-14-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-14-10 |
| Preservative: | Cool | Date Analyzed: | 09-15-10 |
| Condition: | 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 | |

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: **Land Farm 2 Unit 5 Background
Vadose Sampling (per April Pohl 9/14/10)
Sample collected 24"-36" below the treatment zone**


Analyst
Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 09-15-10 QA/QC | Date Reported: | 09-15-10 |
| Laboratory Number: | 55845 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-15-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 09-15-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 09-15-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 | |

| 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 | 255 | 102% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 252 | 101% | 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 55845-55846, 55849-55851, 55855-55858


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 28 | Date Reported: | 09-15-10 |
| Laboratory Number: | 55855 | Date Sampled: | 09-14-10 |
| Chain of Custody: | 10351 | Date Received: | 09-14-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-15-10 |
| Preservative: | Cool | Date Extracted: | 09-14-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|----------------------------|------------------|
| | Fluorobenzene | 105 % |
| | 1,4-difluorobenzene | 99.4 % |
| | Bromochlorobenzene | 103 % |

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: **Land Farm 2 Unit 5 Background**
Vadose Sampling (per April Pohl 9/14/10)
Sample collected 24"-36" below the treatment zone


 Analyst


 Review

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0915BBLK QA/QC | Date Reported: | 09-15-10 |
| Laboratory Number: | 55845 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-15-10 |
| Condition: | N/A | Analysis: | BTEX |
| | | Dilution: | 10 |

| Calibration and Detection Limits (ug/L) | I-Cal/RF | C-Cal/RF | %Diff | Blank Conc | Detect Limit |
|--|-------------|-----------------------|-------|---------------|-----------------|
| | | Accept. Range 0 - 15% | | | |
| Benzene | 3.7083E+006 | 3.7158E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.8075E+006 | 1.8111E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.4413E+006 | 1.4442E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.8355E+006 | 2.8411E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.7261E+005 | 9.7456E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |


| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | %Recovery | Accept Range |
|---------------------|--------|---------------|---------------|-----------|--------------|
| Benzene | ND | 500 | 493 | 98.7% | 39 - 150 |
| Toluene | ND | 500 | 501 | 100% | 46 - 148 |
| Ethylbenzene | ND | 500 | 498 | 99.6% | 32 - 160 |
| p,m-Xylene | ND | 1000 | 1,000 | 100% | 46 - 148 |
| o-Xylene | ND | 500 | 500 | 100% | 46 - 148 |


ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 55845-55846, 55851-55858


 Analyst

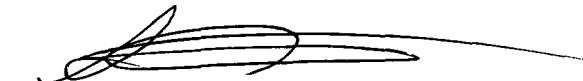
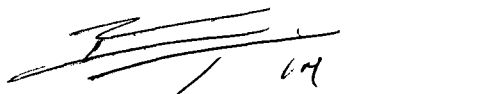

 Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 28 | Date Reported: | 09-15-10 |
| Lab ID#: | 55855 | Date Sampled: | 09-14-10 |
| Sample Matrix: | Soil | Date Received: | 09-14-10 |
| Preservative: | Cool | Date Analyzed: | 09-15-10 |
| Condition: | Intact | Chain of Custody: | 10351 |

Parameter**Concentration (mg/Kg)****Total Chloride****85**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 5 Background**
Vadose Sampling (per April Pohl 9/14/10)
Sample collected 24"-36" below the treatment zone


Analyst
Review

CHAIN OF CUSTODY RECORD

10351

| Client: EnviroTech | | | Project Name / Location: Land Farm 2 Unit 5 Background | | | | | | | | | | ANALYSIS / PARAMETERS Per April 2011 9/14/10 | | | | | | | | | |
|------------------------------|-------------|-------------|--|---------------|--------------------------|---------------------------------------|--|--|-------------------|--------------------|-------------------|---------------|--|-----|---------------|-------|-------------|----------|-------------|---------------|--|--|
| Client Address: | | | Sampler Name: Rene Garcia Reyes | | | | | | | | | | <input checked="" type="checkbox"/> TPH (Method 8015) <input checked="" type="checkbox"/> BTEX (Method 8021) <input type="checkbox"/> VOC (Method 8260) <input type="checkbox"/> RCRA 8 Metals <input type="checkbox"/> Cation / Anion <input type="checkbox"/> RCI <input type="checkbox"/> TCLP with H/P <input type="checkbox"/> PAH <input type="checkbox"/> TPH (418.1) <input checked="" type="checkbox"/> CHLORIDE <input type="checkbox"/> Sample Cool <input type="checkbox"/> Sample Intact | | | | | | | | | |
| Client Phone No.: | | | Client No.: 1-02-60001 | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | Sample Cool | Sample Intact | | |
| 28 | 9/14/10 | 12:15 | 55855 | Soil Solid | 402 | | | | X | X | X | | | | | | | X | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | Date | Time | Received by: (Signature) | | | | | | | | | | Date | Time | | | | | | |
| | | | 9/14/10 | 14:03 | | | | | | | | | | | 9/14 | 14:03 | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | |



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No. 1-02-60001
PAGE No. 1 of 3

FACILITY LOCATION: Land Farm 2
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: Cell 28
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 9/14/10
DATE FINISHED: 9/14/10

ENVIRONMENTAL SPECIALIST: Deve

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____

DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: _____

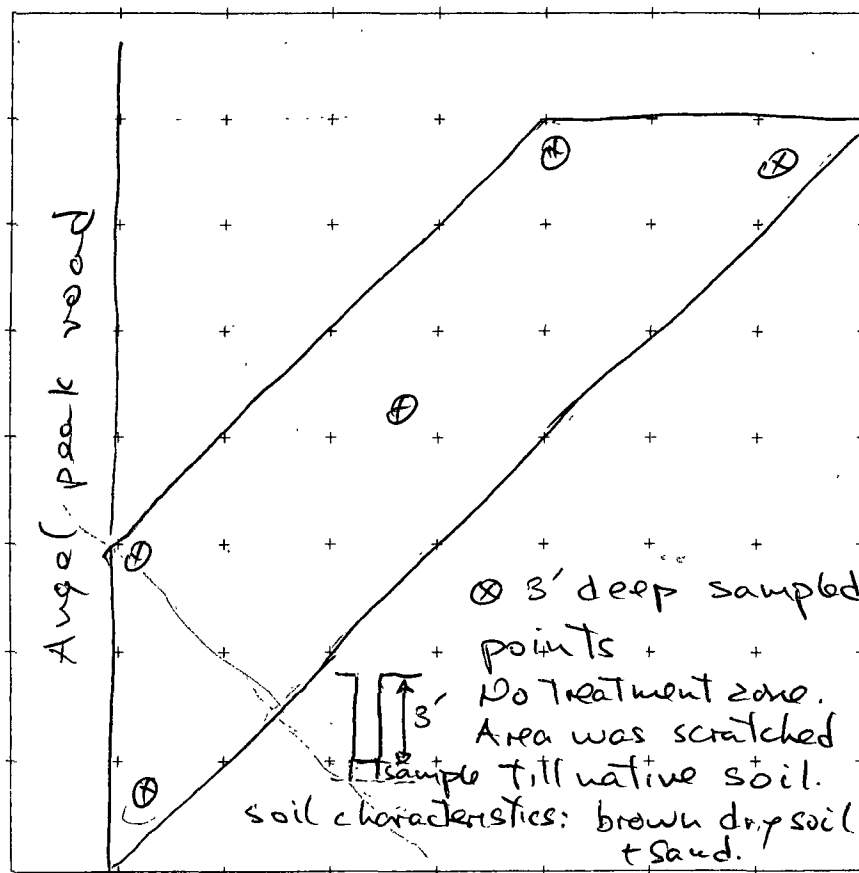
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMOC: _____

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE: _____



OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

LAB RESULTS

| SAMPLE ID | ANALYSIS REQUESTED | RESULTS PPM |
|-----------|--------------------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

NORTH

WELLHEAD

SURFACE
FLOW DIR.

ESTIMATED
GROUNDWATER
FLOW DIR.

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECEIVED

'93 NOV 5 AM 9 09

November 1, 1993

Ms. Kathy Brown
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Dear Ms. Brown:

Attached please find the analytical results for the initial Quarterly Soil Sample taken from the approximate center of the proposed Landfarm #2 Expansion Area. This is per requirements set by our September 29, 1993 Rule 711 Permit.

The samples were taken from approximately two feet (2') below the original soil surface. The sample was obtained by hand auguring approximately two feet into the underlying soil.

The underlying soil is anticipated to be uniform over the area of the proposed expansion area. The soil is described as: Light brown, poorly graded, fine sand to coarse silt, non-cohesive, dry to moist, soft, loose, and eolian in origin.

The attached site diagram shows the location of where this soil sample was taken.

We appreciate working with you on our landfarms, and the many other areas where you have been so helpful.

Respectfully submitted,
ENVIROTECH, INC.

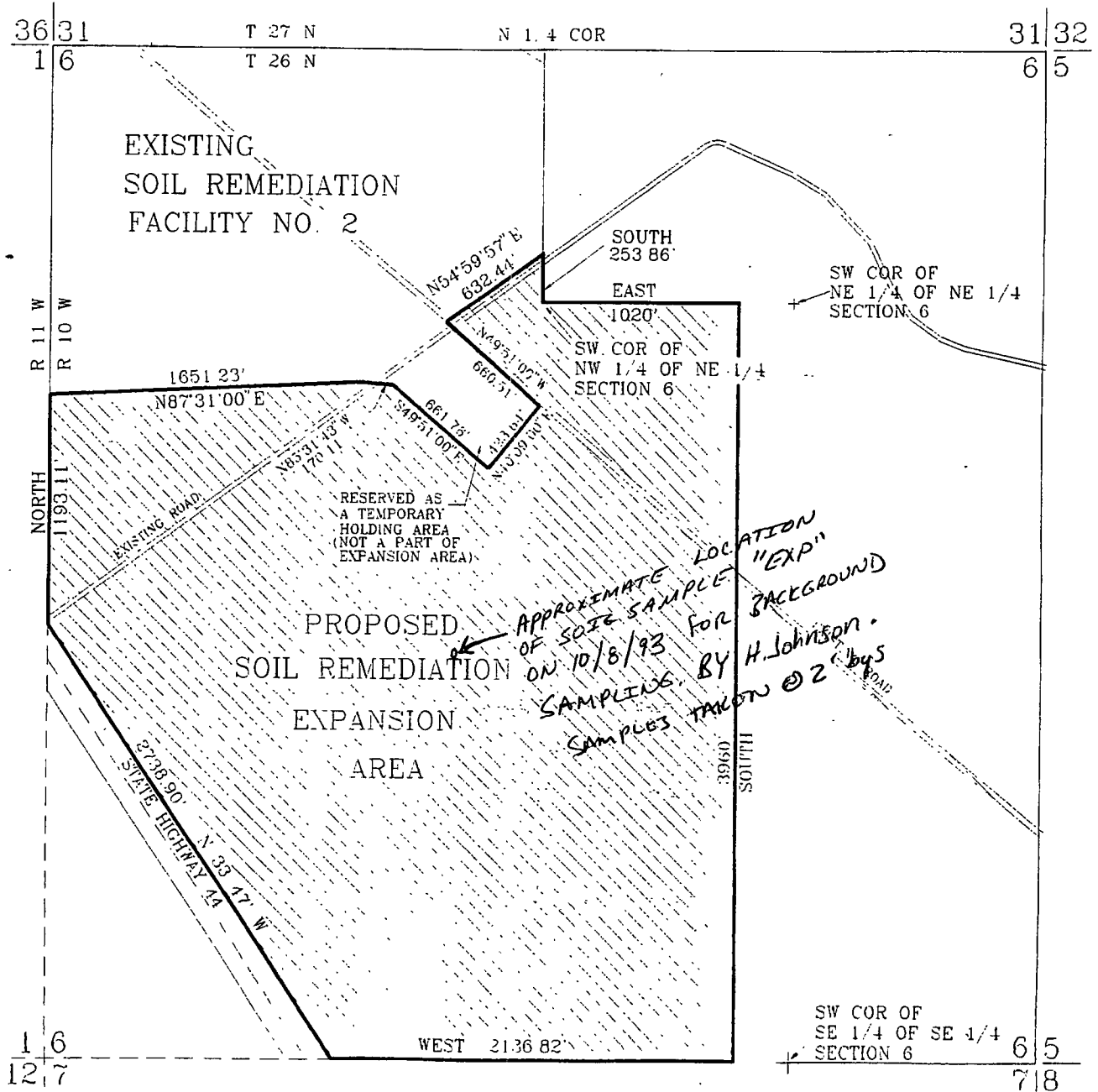
Morris D. Young
Morris D. Young
President

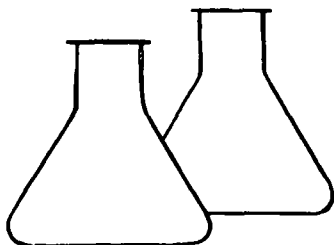
100893LT.OCD

Attachment: Laboratory Analysis
Site Diagram

cc: Mr. Denny Foust, NMOCD Aztec, NM office.
File

PLAT
TO ACCOMPANY DESCRIPTION FOR
YOUNG ENGINEERING SERVICES INC.
dba ENVIROTECH INC.
SOIL REMEDIATION FACILITY NO. 2 EXPANSION AREA





ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS


| | | | |
|--------------------|---------------|------------------|----------|
| Client: | Envirotech | Project #: | NA |
| Sample ID: | EXP | Date Sampled: | 10-08-93 |
| Laboratory Number: | 6278 | Date Received: | 10-08-93 |
| Sample Matrix: | Soil | Date Analyzed: | 10-11-93 |
| Preservative: | Cool | Date Reported: | 10-11-93 |
| Condition: | Cool & Intact | Analysis Needed: | TPH |

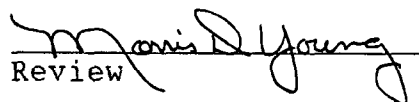
| Parameter ----- | Concentration (mg/kg) ----- | Det. Limit (mg/kg) ----- |
|---------------------------------|-----------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons | 9.9 | 5.0 |

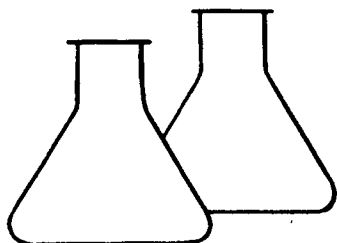
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Land Farm 2


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|---------------|---------------------|----------|
| Client: | Envirotech | Project #: | NA |
| Sample ID: | EXP | Date Reported: | 10-11-93 |
| Laboratory Number: | 6278 | Date Sampled: | 10-08-93 |
| Sample Matrix: | Soil | Date Received: | 10-08-93 |
| Preservative: | Cool | Date Extracted: | 10-11-93 |
| Condition: | Cool & Intact | Date Analyzed: | 10-11-93 |
| | | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 13.2 |
| Toluene | 82 | 32.9 |
| Ethylbenzene | ND | 13.2 |
| p,m-Xylene | 67 | 19.8 |
| o-Xylene | 14.8 | 13.2 |

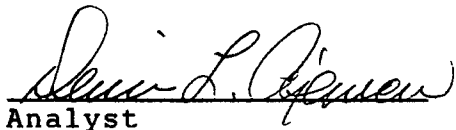
| SURROGATE RECOVERIES: | Parameter | Percent Recovery |
|-----------------------|--------------------|------------------|
| | Trifluorotoluene | 98 % |
| | Bromofluorobenzene | 103 % |


Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

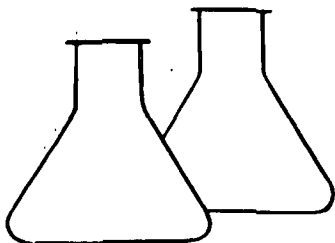
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Land Farm 2


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

TRACE METAL ANALYSIS

| | | | |
|--------------------|---------------|------------------|--------------|
| Client: | Envirotech | Project #: | NA |
| Sample ID: | EXP | Date Reported: | 10-12-93 |
| Laboratory Number: | 6278 | Date Sampled: | 10-08-93 |
| Sample Matrix: | Soil | Date Received: | 10-08-93 |
| Preservative: | Cool | Date Analyzed: | 10-12-93 |
| Condition: | Cool & Intact | Analysis Needed: | Trace metals |

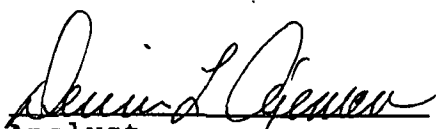
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|-----------|--------------------------|--------------------------|
| ARSENIC | 0.625 | 0.0001 |
| BARIUM | ND | 0.01 |
| CADMIUM | 0.055 | 0.0001 |
| CHROMIUM | 1.675 | 0.0001 |
| LEAD | 2.275 | 0.0001 |
| MERCURY | 0.020 | 0.0002 |
| SELENIUM | 0.095 | 0.0001 |


Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA 1992

Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA 1992

ND - Parameter not detected at the stated detection limit.

Comments: Land Farm 2


Analyst


Review



Inter-Mountain Laboratories, Inc.

2506 West Main Street

Farmington, New Mexico 87401

Tel. (505) 326-4737

ENVIROTECH
Farmington, New Mexico

DATE SAMPLED: October 8, 1993
DATE REPORTED: October 28, 1993

LOCATION: Landfarm 2

Page 1 of 1

| Lab No. | Location | Depths | Calcium meq/l | Magnesium meq/l | Sodium meq/l | SAR | K ppm | Nitrate- Nitrogen ppm | Chloride PE meq/l | Alkalinity PE meq/l | SO4 PE meq/l |
|---------|------------|--------|------------------|--------------------|-----------------|------|----------|-----------------------------|-------------------------|---------------------------|--------------------|
| 31971 | EXP (3948) | 0-0 | 1.22 | 0.40 | 0.94 | 1.04 | 0.10 | 2.26 | 0.15 | 0.37 | 3.77 |

Abbreviations for extractants: PE= Saturated Paste Extract, H2Osol= water soluble, ABPTA= Ammonium Bicarbonate-DPTA, AAO= Acid Ammonium Oxalate

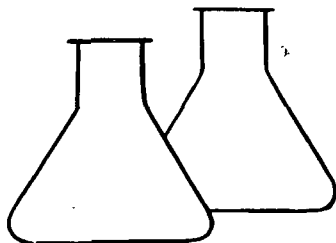
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio CEC= Cation Exchange Capacity ESP= Exchangeable Sodium Percentage Exch= Exchangeable Avail= Available

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|------------------|---------------------|----------|
| Client: | NA | Project #: | NA |
| Sample ID: | Laboratory Blank | Date Reported: | 10-11-93 |
| Laboratory Number: | 1011AM.BLK | Date Sampled: | NA |
| Sample Matrix: | Water | Date Received: | NA |
| Preservative: | NA | Date Analyzed: | 10-11-93 |
| Condition: | NA | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/L) | Det. Limit (ug/L) |
|--------------|-------------------------|-------------------------|
| Benzene | ND | 0.2 |
| Toluene | ND | 0.5 |
| Ethylbenzene | ND | 0.2 |
| p,m-Xylene | ND | 0.3 |
| o-Xylene | ND | 0.2 |

| SURROGATE RECOVERIES: | Parameter | Percent Recovery |
|-----------------------|--------------------|------------------|
| | Trifluorotoluene | 99 % |
| | Bromofluorobenzene | 95 % |

Method: Method 5030A, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

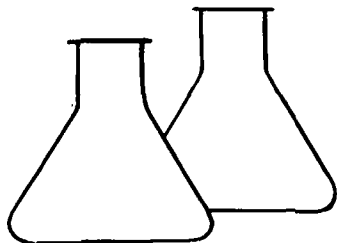
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Jensen
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| | | | |
|--------------------|------------------|------------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | Laboratory Blank | Date Sampled: | N/A |
| Laboratory Number: | TPSB1011 | Date Received: | N/A |
| Sample Matrix: | Soil | Date Analyzed: | 10-11-93 |
| Preservative: | N/A | Date Reported: | 10-11-93 |
| Condition: | N/A | Analysis Needed: | TPH |

| Parameter ----- | Concentration (mg/kg) ----- | Det. Limit (mg/kg) ----- |
|---------------------------------|-----------------------------------|-----------------------------------|
| Total Petroleum Hydrocarbons | ND | 5.0 |

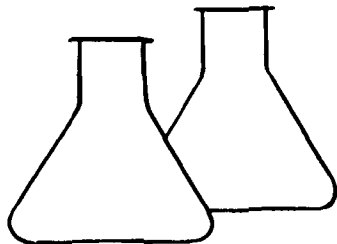
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

C. Chaharling
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

TRACE METAL ANALYSIS - BLANKS

| | | | |
|--------------------|--------|------------------|--------------|
| Client: | NA | Project #: | NA |
| Sample ID: | Blanks | Date Reported: | 10-12-93 |
| Laboratory Number: | NA | Date Sampled: | NA |
| Sample Matrix: | Soil | Date Received: | NA |
| Preservative: | Cool | Date Analyzed: | 10-12-93 |
| Condition: | NA | Analysis Needed: | Trace Metals |

| Parameter | Instrument Blank (mg/Kg) | Method Blank (mg/Kg) | Det. Limit (mg/Kg) |
|-----------|--------------------------------|-------------------------|--------------------------|
| ARSENIC | ND | ND | 0.0001 |
| BARIUM | ND | ND | 0.01 |
| CADMIUM | ND | ND | 0.0001 |
| CHROMIUM | ND | ND | 0.0001 |
| LEAD | ND | ND | 0.0001 |
| MERCURY | ND | ND | 0.0002 |
| SELENIUM | ND | ND | 0.0001 |
| SILVER | ND | ND | 0.0001 |

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1992

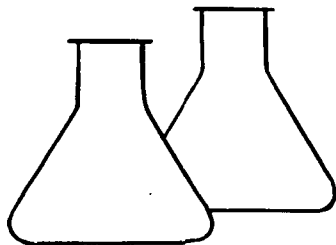
Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Ciemer
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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**** QUALITY ASSURANCE EPA METHOD 8020**
MATRIX SPIKE - AROMATIC VOLATILE ORGANICS

| | | | |
|---------------------|--------------|----------------|----------|
| Client: | NA | Project #: | NA |
| Sample ID: | Sample Spike | Date Reported: | 10-11-93 |
| Laboratory Number: | 6277-S-BTEX | Date Sampled: | 10-08-93 |
| Sample Matrix: | Water | Date Received: | 10-08-93 |
| Analysis Requested: | BTEX | Date Analyzed: | 10-11-93 |
| Condition: | NA | | |

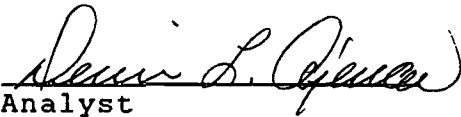
| Parameter | Sample Result (ug/L) | Spike Added (ug/L) | Spiked Sample Result (ug/L) | Det. Limit (ug/L) | Percent Recovery | SW-846 % Rec. Accept. Range |
|--------------|-------------------------|-----------------------|--------------------------------|----------------------|------------------|--------------------------------|
| Benzene | 12.6 | 20.0 | 31.1 | 0.2 | 95 | 39-150 |
| Toluene | 2.7 | 20.0 | 21.9 | 0.5 | 96 | 46-148 |
| Ethylbenzene | 3.0 | 20.0 | 22.5 | 0.2 | 98 | 32-160 |
| p,m-Xylene | 167.7 | 20.0 | 186.5 | 0.3 | 99 | 46-148 |
| o-Xylene | 0.6 | 20.0 | 20.6 | 0.2 | 100 | 46-148 |

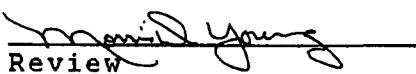
Method: Method 5030A, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

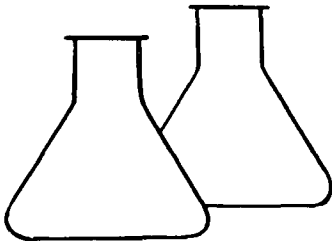
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE REPORT

MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---------------------|------------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | Laboratory Spike | Date Sampled: | N/A |
| Laboratory Number: | TPSS1011 | Date Received: | N/A |
| Sample Matrix: | Soil | Date Analyzed: | 10-11-93 |
| Analysis Requested: | TPH | Date Reported: | 10-11-93 |

| Parameter | Sample Result (mg/kg) | Spike Added (mg/kg) | Spiked sample Result (mg/kg) | Percent Recovery |
|------------------------------|--------------------------|------------------------|---------------------------------|------------------|
| Total Petroleum Hydrocarbons | ND | 504 | 453 | 90 |

| QA ACCEPTANCE CRITERIA: | Parameter | Acceptance Range % |
|-------------------------|-----------|--------------------|
| | TPH | 80 - 120 |

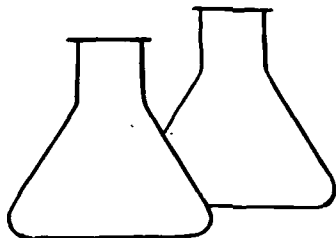
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

An Chabaling
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT

TRACE METAL ANALYSIS - MATRIX SPIKE

| | | | |
|---------------------|--------------|-----------------|----------|
| Client: | NA | Project #: | NA |
| Sample ID: | NA | Date Reported: | 10-12-93 |
| Laboratory Number: | NA | Date Sampled: | NA |
| Sample Matrix: | Soil | Date Received: | NA |
| Analysis Requested: | Trace Metals | Date Analyzed: | 10-12-93 |
| Condition: | NA | Date Extracted: | NA |

| Parameter | Spike Added (mg/Kg) | Sample Result (mg/Kg) | Spiked Sample Result (mg/Kg) | Percent Recovery |
|-----------|------------------------|--------------------------|---------------------------------|------------------|
| ARSENIC | 0.0100 | ND | 0.0098 | 98 |
| BARIUM | 1.00 | 0.02 | 1.02 | 100 |
| CADMIUM | 0.0100 | 0.0006 | 0.0106 | 100 |
| CHROMIUM | 0.0200 | 0.0001 | 0.0202 | 101 |
| LEAD | 0.0200 | 0.0005 | 0.0204 | 100 |
| MERCURY | 0.0025 | 0.0002 | 0.0026 | 96 |
| SELENIUM | 0.0100 | ND | 0.0097 | 97 |
| SILVER | 0.100 | ND | 0.097 | 97 |

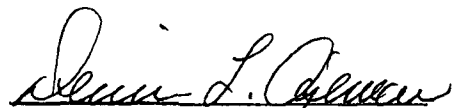
| QA ACCEPTANCE CRITERIA: | Parameter | Acceptance Range % |
|-------------------------|--------------|--------------------|
| | Trace Metals | 80 - 120 |


Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review

CHAIN OF CUSTODY RECORD

| | | | | | | | | | | | | | |
|--|----------------|---------------|--|----------------------|--|--------------|-------------|------------------------|---------------------|---------------------|--|--|---------|
| Client/Project Name <i>Envirotech</i> | | | Project Location <i>Land Farm 2</i> | | ANALYSIS/PARAMETERS | | | | | | | | |
| Sampler: (Signature) | | | Chain of Custody Tape No. | | No. of Containers | <i>418.1</i> | <i>BTEX</i> | <i>Cations</i> | <i>Anions</i> | <i>Heavy Metals</i> | | | Remarks |
| Sample No./ Identification | Sample Date | Sample Time | Lab Number | Sample Matrix | | | | | | | | | |
| <i>EXP</i> | <i>10/8/93</i> | <i>10:30A</i> | <i>6278</i> | <i>Soil</i> | <i>2</i> | <i>✓</i> | <i>✓</i> | <i>✓</i> | <i>✓</i> | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Inquired by: (Signature) <i>Stanley Kusan</i> | | | Date <i>10/8/93</i> | Time <i>12:45</i> | Received by: (Signature) <i>Tony Tristano</i> | | | Date <i>10/8/93</i> | Time <i>1245</i> | | | | |
| Inquired by: (Signature) | | | | | Received by: (Signature) | | | | | | | | |
| Inquired by: (Signature) | | | | | Received by: (Signature) | | | | | | | | |

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel

Cabinet Secretary

Karen W. Garcia

Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



September 28, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated September 20, 2010 to grant approval to apply an additional six-inch lift to the following cell(s):
Cells 47, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, and 65.

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cell(s). Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced landfarm cells does not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. The "parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell," as stated in the September 20, 2010 request, is not equivalent to the regulatory requirement is identified above. *It is OCD's understand, from conversations with Mr. Kyle Kerr, that the thickness of each cell would be measured and confirmed during the next vadose zone sampling event.* Please note that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does



Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
September 28, 2010
Page 2 of 2

approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

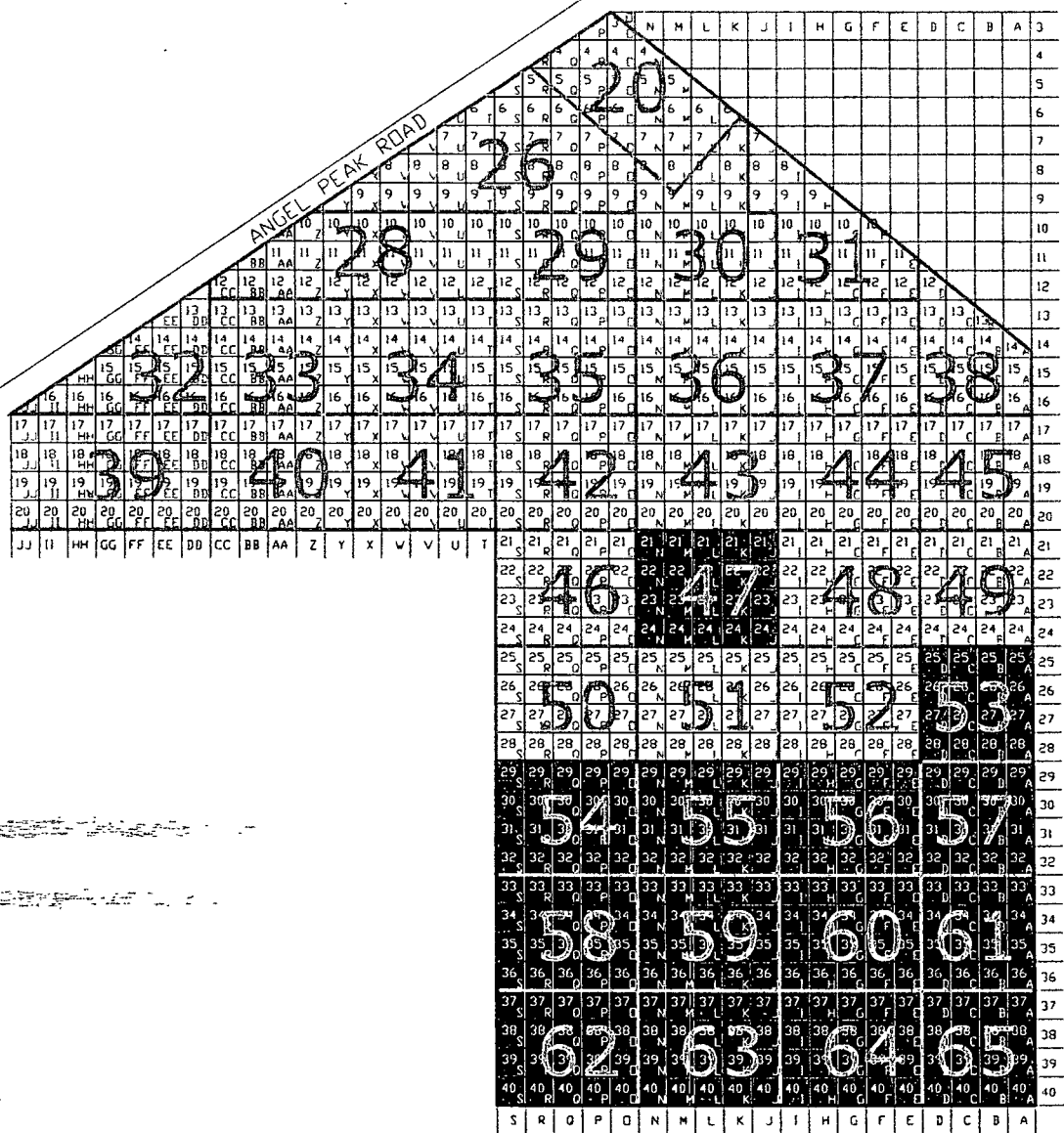
A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a large, sweeping flourish underneath.


Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: September 17, 2010)

cc: OCD District III Office, Aztec



| | | | | |
|--|------|------------|--------------|-----|
| ENVIROTECH NMOC D PERMITTED LANDFARM # 2 UNIT 5 CELLS 47, 53 TO 65 | | | | |
| SCALE. 1=100' | | FIGURE NO. | | REV |
| PROJECT NO | | | | |
| REVISIONS | | | | |
| | | | | |
| | | | | |
| | | | | |
| NO | DATE | BY | DESCRIPTION. | |
| MAP DRWN | BWW | 9-17-10 | BASE DRWN | |
|  envirotech | | | | |
| 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615 | | | | |



September 20, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: ENVIROTECH'S LANDFARM #2 DISCONTINUED MAINTENANCE AND ADDITIONAL
LIFT FOR CELLS 47, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64 AND 65 IN LANDFARM 2 UNIT 5.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2, for cells 47, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64 and 65 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 all cells being requested for discontinued maintenance have passed laboratory analysis of less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were five-point composites. Remediation zone layers averaged 6" in depth, results available upon request.

The blue cells (47, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64 and 65) have passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (see attached laboratory results). Envirotech hereby requests these cells be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to these cells.

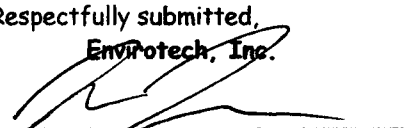
Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts in each cell up to this time:

| | | |
|-------------------|-------------------|-------------------|
| Cell 47: 7,420 cy | Cell 53: 6,112 cy | Cell 54: 3,995 cy |
| Cell 55: 5,714 cy | Cell 56: 7,807 cy | Cell 57: 4,952 cy |
| Cell 58: 4,860 cy | Cell 59: 4,814 cy | Cell 60: 5,257 cy |
| Cell 61: 7,747 cy | Cell 62: 5,561 cy | Cell 63: 6,497 cy |
| Cell 64: 5,896 cy | Cell 65: 6,933 cy | |

Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 suffers limited space constraints. Envirotech respectfully requests expedition of this matter that to serve the Four Corners region without interruption.

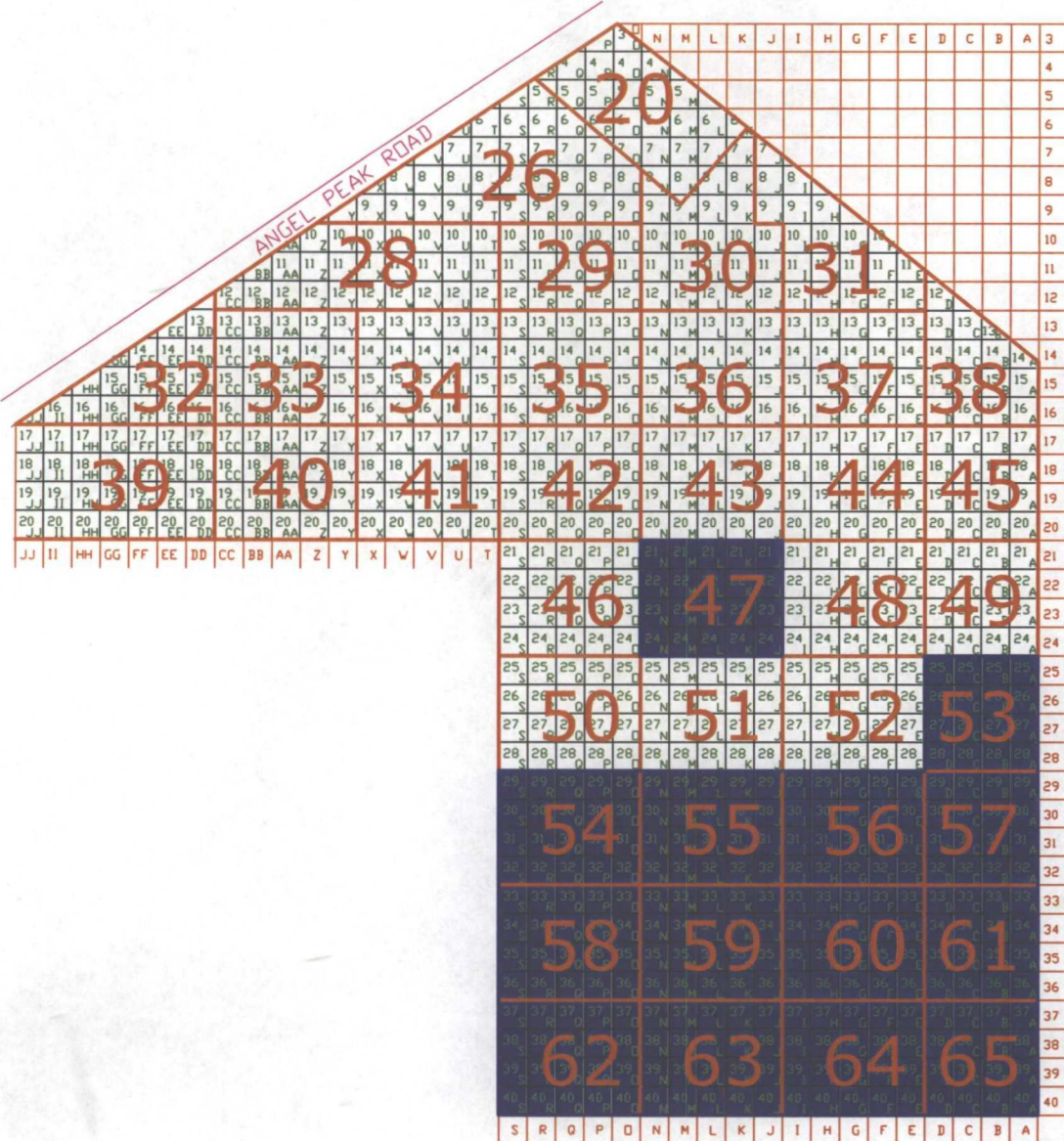
Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.


Respectfully submitted,
Envirotech, Inc.


Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com


April E. Pohl
Landfarm Administrator
apohl@envirotech-inc.com

AEP/Office/Corporate/LF/Closure&added lift/9-20-10



| | | | | |
|--|------|------------|-------------|-----|
| ENVIROTECH NMOC D PERMITTED LANDFARM # 2 UNIT 5 CELLS 47, 53 TO 65 | | | | |
| SCALE: 1=100' | | FIGURE NO. | | REV |
| PROJECT NO. | | | | |
| REVISIONS | | | | |
| | | | | |
| | | | | |
| NO. | DATE | BY | DESCRIPTION | |
| MAP DRWN | BWW | 9-17-10 | BASE DRWN | |
|  envirotech | | | | |
| 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615 | | | | |

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

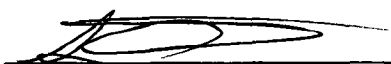
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 58 | Date Reported: | 08-04-10 |
| Laboratory Number: | 55388 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10090 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | 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: **Land Farm 2 Closures**



Analyst

Review

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

Client: Envirotech
Sample ID: 59
Laboratory Number: 55389
Chain of Custody No: 10090
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Extracted: 08-03-10
Date Analyzed: 08-04-10
Analysis Requested: 8015 TPH

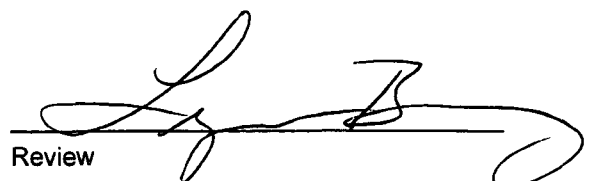
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 3.6 | 0.2 |
| Diesel Range (C10 - C28) | 0.7 | 0.1 |
| Total Petroleum Hydrocarbons | 4.3 | 0.2 |

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: **Land Farm 2 Closures**



Analyst

Review

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

Client: Envirotech
Sample ID: 60
Laboratory Number: 55390
Chain of Custody No: 10090
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Extracted: 08-03-10
Date Analyzed: 08-04-10
Analysis Requested: 8015 TPH

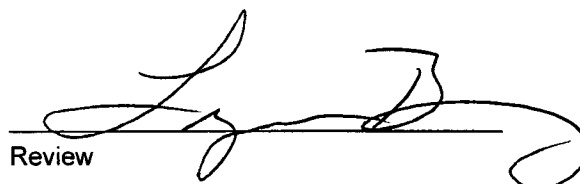
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Land Farm 2 Closures**



Analyst

Review

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

Client: Envirotech
Sample ID: 61
Laboratory Number: 55391
Chain of Custody No: 10090
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


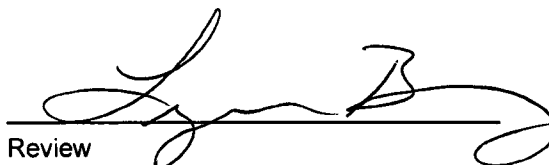
Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Extracted: 08-03-10
Date Analyzed: 08-04-10
Analysis Requested: 8015 TPH

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 5.9 | 0.1 |
| Total Petroleum Hydrocarbons | 5.9 | 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: **Land Farm 2 Closures**


Analyst
Review

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

Client: Envirotech
Sample ID: 62
Laboratory Number: 55392
Chain of Custody No: 10090
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Extracted: 08-03-10
Date Analyzed: 08-04-10
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: **Land Farm 2 Closures**



Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 08-04-10 QA/QC | Date Reported: | 08-04-10 |
| Laboratory Number: | 55404 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-04-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 08-04-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 08-04-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 |

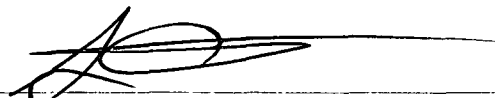
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | 20.7 | 20.5 | 1.0% | 0 - 30% |
| Diesel Range C10 - C28 | 0.4 | 0.4 | 0.0% | 0 - 30% |

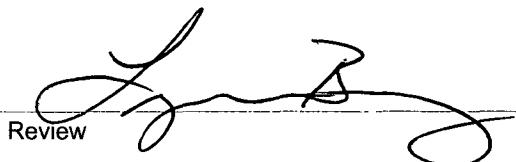
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | 20.7 | 250 | 280 | 104% | 75 - 125% |
| Diesel Range C10 - C28 | 0.4 | 250 | 255 | 102% | 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 55388-55392; 55403-55405; 55408-55409


 Analyst


 Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 58 | Date Reported: | 08-04-10 |
| Laboratory Number: | 55388 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10090 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-04-10 |
| Preservative: | Cool | Date Extracted: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | 1.2 | 0.9 |
| Total BTEX | 1.2 | |

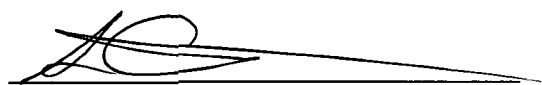

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.0 % |
| | 1,4-difluorobenzene | 98.1 % |
| | 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: Land Farm 2 Closures


Analyst
Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 59 | Date Reported: | 08-04-10 |
| Laboratory Number: | 55389 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10090 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-04-10 |
| Preservative: | Cool | Date Extracted: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | 15.5 | 0.9 |
| Toluene | 2.6 | 1.0 |
| Ethylbenzene | 3.3 | 1.0 |
| p,m-Xylene | 2.6 | 1.2 |
| o-Xylene | 1.9 | 0.9 |
| Total BTEX | 25.9 | |


ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 100 % |
| | 1,4-difluorobenzene | 103 % |
| | 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: Land Farm 2 Closures


 Analyst


 Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 60 | Date Reported: | 08-04-10 |
| Laboratory Number: | 55390 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10090 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-04-10 |
| Preservative: | Cool | Date Extracted: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

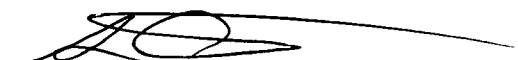
ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 101 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 103 % |

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: Land Farm 2 Closures



Analyst

Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client: Envirotech
Sample ID: 61
Laboratory Number: 55391
Chain of Custody: 10090
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Date Extracted: 08-03-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |


ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 96.6 % |
| | 1,4-difluorobenzene | 102 % |
| | Bromochlorobenzene | 103 % |

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: **Land Farm 2 Closures**



Analyst

Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 62 | Date Reported: | 08-04-10 |
| Laboratory Number: | 55392 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10090 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-04-10 |
| Preservative: | Cool | Date Extracted: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.7 % |
| | 1,4-difluorobenzene | 99.0 % |
| | Bromochlorobenzene | 98.8 % |

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: Land Farm 2 Closures


Analyst
Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0804Bblk QA/QC | Date Reported: | 08-04-10 |
| Laboratory Number: | 55388 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-04-10 |
| 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 | 1.3846E+007 | 1.3874E+007 | 0.2% | ND | 0.1 |
| Toluene | 9.5430E+006 | 9.5621E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 6.7927E+006 | 6.8063E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 1.6107E+007 | 1.6139E+007 | 0.2% | ND | 0.1 |
| o-Xylene | 5.4695E+006 | 5.4805E+006 | 0.2% | ND | 0.1 |

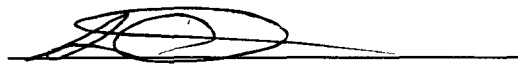
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | 1.2 | 1.1 | 8.3% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 57.1 | 114% | 39 - 150 |
| Toluene | ND | 50.0 | 56.9 | 114% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 58.5 | 117% | 32 - 160 |
| p,m-Xylene | ND | 100 | 117 | 117% | 46 - 148 |
| o-Xylene | 1.2 | 50.0 | 59.5 | 119% | 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 55388-55392; 55403-55405; 55408-55409


Analyst


Review



envirotech

Analytical Laboratory

Chloride

Client: Envirotech
Sample ID: 58
Lab ID#: 55388
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10090

Parameter

Concentration (mg/Kg)

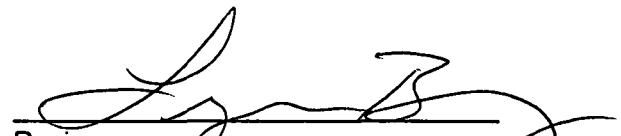
Total Chloride

75

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst


Review


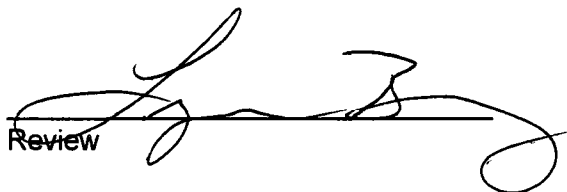
Chloride

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 59 | Date Reported: | 08-05-10 |
| Lab ID#: | 55389 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10090 |

Parameter**Concentration (mg/Kg)****Total Chloride****65**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

Chloride

Client: Envirotech
Sample ID: 60
Lab ID#: 55390
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10090

Parameter**Concentration (mg/Kg)****Total Chloride****95**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**

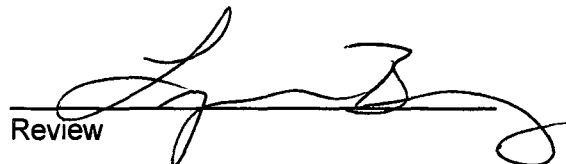

Analyst
Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 61 | Date Reported: | 08-05-10 |
| Lab ID#: | 55391 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10090 |

Parameter**Concentration (mg/Kg)****Total Chloride****70**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**

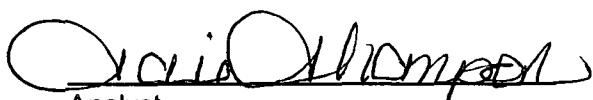

Analyst
Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 62 | Date Reported: | 08-05-10 |
| Lab ID#: | 55392 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10090 |

Parameter**Concentration (mg/Kg)****Total Chloride****100**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

10090



envirotech
Analytical Laboratory

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

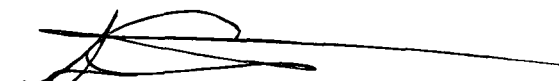
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 63 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55393 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-04-10 |
| Preservative: | Cool | Date Analyzed: | 08-05-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |


| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 5.7 | 0.1 |
| Total Petroleum Hydrocarbons | 5.7 | 0.2 |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closures**



Analyst

Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons


| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 64 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55394 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-04-10 |
| Preservative: | Cool | Date Analyzed: | 08-05-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

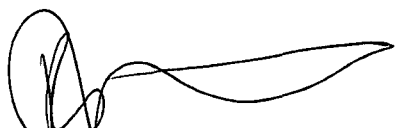
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Land Farm 2 Closures**



Analyst

Review

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

Client: Envirotech
Sample ID: 65
Laboratory Number: 55395
Chain of Custody No: 10091
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Extracted: 08-04-10
Date Analyzed: 08-05-10
Analysis Requested: 8015 TPH

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 1.9 | 0.1 |
| Total Petroleum Hydrocarbons | 1.9 | 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: **Land Farm 2 Closures**


Analyst
Review

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

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 08-05-10 QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55425 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-05-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 |

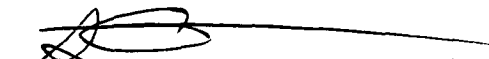
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |

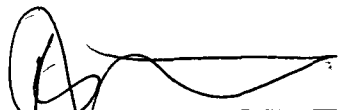
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 258 | 103% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 253 | 101% | 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 55393-55397, 55410-55411, 55425, 55428 and 55431


 Analyst


 Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 63 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55393 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-05-10 |
| Preservative: | Cool | Date Extracted: | 08-04-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

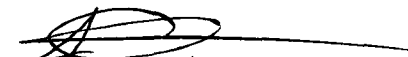
ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 96.0 % |
| | 1,4-difluorobenzene | 97.2 % |
| | Bromochlorobenzene | 101 % |

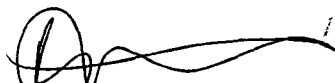
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Land Farm 2 Closures



 Analyst



 Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 64 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55394 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-05-10 |
| Preservative: | Cool | Date Extracted: | 08-04-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.4 % |
| | 1,4-difluorobenzene | 98.6 % |
| | 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: Land Farm 2 Closures



Analyst

Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 65 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55395 | Date Sampled: | 08-02-10 |
| Chain of Custody: | 10091 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Analyzed: | 08-05-10 |
| Preservative: | Cool | Date Extracted: | 08-04-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 97.8 % |
| | 1,4-difluorobenzene | 101 % |
| | 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: Land Farm 2 Closures

Analyst

Review

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0805BBLK QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55393 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-05-10 |
| 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 | 1.0839E+006 | 1.0861E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.2145E+006 | 1.2169E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.0890E+006 | 1.0912E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.7702E+006 | 2.7757E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.8493E+005 | 9.8690E+005 | 0.2% | ND | 0.1 |

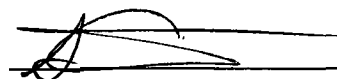
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

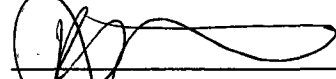
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 50.5 | 101% | 39 - 150 |
| Toluene | ND | 50.0 | 50.3 | 101% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 49.4 | 98.8% | 32 - 160 |
| p,m-Xylene | ND | 100 | 99.4 | 99.4% | 46 - 148 |
| o-Xylene | ND | 50.0 | 48.8 | 97.7% | 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 55393-55397, 55410-55411, 55428 and 55431


 Analyst

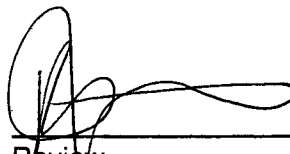

 Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 63 | Date Reported: | 08-04-10 |
| Lab ID#: | 55393 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10091 |

Parameter**Concentration (mg/Kg)****Total Chloride****5**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

Chloride


Client: Envirotech
Sample ID: 64
Lab ID#: 55394
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10091

Parameter**Concentration (mg/Kg)****Total Chloride****15**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

Chloride

Client: Envirotech
Sample ID: 65
Lab ID#: 55395
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10091

Parameter**Concentration (mg/Kg)****Total Chloride****10**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.


Comments: **Land Farm 2 Closures**


Analyst
Review

CHAIN OF CUSTODY RECORD

10091

| Client: Envirotech | | | Project Name / Location: Land Farm 2 Closures | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | |
|---|-------------|-------------|--|---------------|--------------------------|--|---|--|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|-------------|---------------|
| Client Address: | | | Sampler Name: Rene Garcia Reps | | | <div style="display: flex; justify-content: space-between;"> <div> TPH (Method 8015) BTEX (Method 8021) VOC (Method 8260) RCRA 8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE </div> <div> Sample Cool Sample Intact </div> </div> | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: 1-02-60001 | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | Sample Cool | Sample Intact |
| 63 | 8/2/10 | 14:40 | 55393 | Soil Solid | 402 | | | | X | X | X | | | | | | | X | Y | Y |
| 64 | | 14:50 | 55394 | Soil Solid | | | | | X | X | X | | | | | | | X | | |
| 65 | | 15:00 | 55395 | Soil Solid | | | | | X | X | X | | | | | | | X | | |
| 5 | | 15:20 | 55396 | Soil Solid | | | | | X | X | X | | | | | | | X | | |
| 28 | | 15:50 | 55397 | Soil Solid | | | | | X | X | X | | | | | | | X | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | Date | Time | Received by: (Signature) <i>[Signature]</i> | | | | | | | | | | Date | Time | | |
| | | | | | 8/2/10 | 17:56 | | | | | | | | | | | 8/2/10 | 17:56 | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | |


envirotech
 Analytical Laboratory

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

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 53 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55383 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10089 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 0.5 | 0.2 |
| Diesel Range (C10 - C28) | 0.4 | 0.1 |
| Total Petroleum Hydrocarbons | 0.9 | 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: **Land Farm 2 Closures**


Analyst
Review

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


| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 54 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55384 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10089 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-03-10 |
| Condition: | 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: **Land Farm 2 Closures**



Analyst

Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons


| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 55 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55385 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10089 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-03-10 |
| Condition: | 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: **Land Farm 2 Closures**



Analyst

Review

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

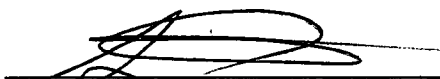
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 56 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55386 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10089 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |


| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 1.8 | 0.1 |
| Total Petroleum Hydrocarbons | 1.8 | 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: **Land Farm 2 Closures**



Analyst

Review

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

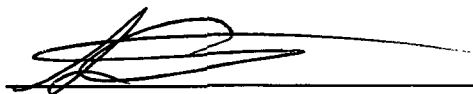
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 57 | Date Reported: | 08-05-10 |
| Laboratory Number: | 55387 | Date Sampled: | 08-02-10 |
| Chain of Custody No: | 10089 | Date Received: | 08-02-10 |
| Sample Matrix: | Soil | Date Extracted: | 08-03-10 |
| Preservative: | Cool | Date Analyzed: | 08-03-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

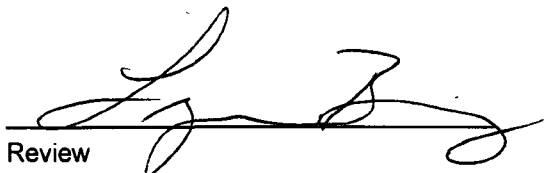
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Land Farm 2 Closures**



Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 08-03-10 QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55368 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-03-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 08-03-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 08-03-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 | 14.3 | 14.4 | 1.0% | 0 - 30% |
| Diesel Range C10 - C28 | 16.7 | 16.8 | 1.0% | 0 - 30% |

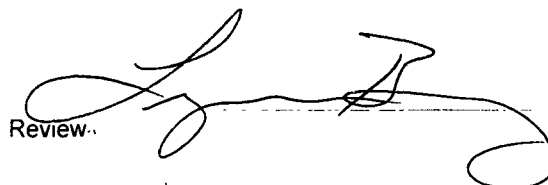
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | 14.3 | 250 | 273 | 103% | 75 - 125% |
| Diesel Range C10 - C28 | 16.7 | 250 | 273 | 103% | 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 55382-55387, 55368 and 55377


 Analyst


 Review

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client: Envirotech
Sample ID: 53
Laboratory Number: 55383
Chain of Custody: 10089
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-03-10
Date Extracted: 08-03-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 2.8 | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | 1.7 | 0.9 |
| Total BTEX | 4.5 | |

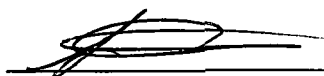
ND - Parameter not detected at the stated detection limit.


| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 103 % |
| | 1,4-difluorobenzene | 99.3 % |
| | Bromochlorobenzene | 101 % |

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: Land Farm 2 Closures



Analyst

Review

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

Client: Envirotech
 Sample ID: 54
 Laboratory Number: 55384
 Chain of Custody: 10089
 Sample Matrix: Soil
 Preservative: Cool
 Condition: Intact

Project #: 1-02-60001
 Date Reported: 08-05-10
 Date Sampled: 08-02-10
 Date Received: 08-02-10
 Date Analyzed: 08-03-10
 Date Extracted: 08-03-10
 Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | 1.1 | 0.9 |
| Total BTEX | 1.1 | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.6 % |
| | 1,4-difluorobenzene | 104 % |
| | Bromochlorobenzene | 104 % |

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: Land Farm 2 Closures

Analyst

Review

Client: Envirotech
Sample ID: 55
Laboratory Number: 55385
Chain of Custody: 10089
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-03-10
Date Extracted: 08-03-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 97.2 % |
| | 1,4-difluorobenzene | 97.7 % |
| | Bromochlorobenzene | 99.3 % |

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: Land Farm 2 Closures



Analyst

Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Envirotech
Sample ID: 56
Laboratory Number: 55386
Chain of Custody: 10089
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-03-10
Date Extracted: 08-03-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.7 % |
| | 1,4-difluorobenzene | 97.4 % |
| | Bromochlorobenzene | 99.9 % |

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: Land Farm 2 Closures


Analyst


Review

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client: Envirotech
Sample ID: 57
Laboratory Number: 55387
Chain of Custody: 10089
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-05-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-03-10
Date Extracted: 08-03-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

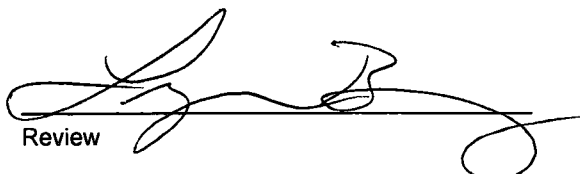
ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 102 % |
| | 1,4-difluorobenzene | 98.3 % |
| | 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: Land Farm 2 Closures


Analyst
Review

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0803BBLK QA/QC | Date Reported: | 08-05-10 |
| Laboratory Number: | 55368 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-03-10 |
| 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 | 1.3846E+007 | 1.3874E+007 | 0.2% | ND | 0.1 |
| Toluene | 9.5430E+006 | 9.5621E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 6.7927E+006 | 6.8063E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 1.6107E+007 | 1.6139E+007 | 0.2% | ND | 0.1 |
| o-Xylene | 5.4695E+006 | 5.4805E+006 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff: | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | 1.7 | 1.9 | 11.8% | 0 - 30% | 0.9 |
| Toluene | 2.7 | 2.9 | 7.4% | 0 - 30% | 1.0 |
| Ethylbenzene | 7.7 | 7.5 | 2.6% | 0 - 30% | 1.0 |
| p,m-Xylene | 31.5 | 31.2 | 1.0% | 0 - 30% | 1.2 |
| o-Xylene | 26.6 | 25.9 | 2.6% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | 1.7 | 50.0 | 51.6 | 103% | 39 - 150 |
| Toluene | 2.7 | 50.0 | 50.5 | 101% | 46 - 148 |
| Ethylbenzene | 7.7 | 50.0 | 50.9 | 100% | 32 - 160 |
| p,m-Xylene | 31.5 | 100 | 104 | 101% | 46 - 148 |
| o-Xylene | 26.6 | 50.0 | 53.1 | 101% | 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 55382-55387, 55368 and 55377

Analyst

Review

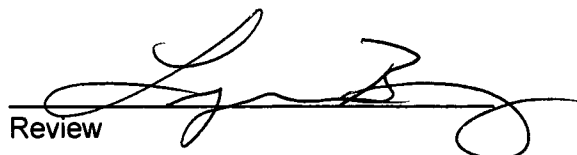
Client: Envirotech
Sample ID: 55383
Lab ID#: 53
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10089

Parameter**Concentration (mg/Kg)****Total Chloride****5**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

Client: Envirotech
Sample ID: 55384
Lab ID#: 54
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10089

Parameter**Concentration (mg/Kg)****Total Chloride****10**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

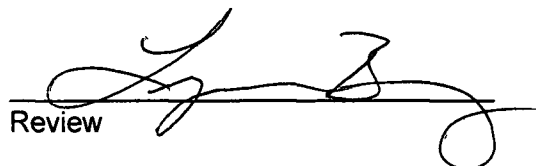
Client: Envirotech
Sample ID: 55385
Lab ID#: 55
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 1-02-60001
Date Reported: 08-04-10
Date Sampled: 08-02-10
Date Received: 08-02-10
Date Analyzed: 08-04-10
Chain of Custody: 10089

Parameter**Concentration (mg/Kg)****Total Chloride****15**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


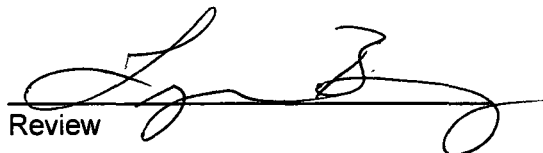

Analyst
Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 55386 | Date Reported: | 08-04-10 |
| Lab ID#: | 56 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10089 |

Parameter**Concentration (mg/Kg)****Total Chloride****15**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 55387 | Date Reported: | 08-04-10 |
| Lab ID#: | 57 | Date Sampled: | 08-02-10 |
| Sample Matrix: | Soil | Date Received: | 08-02-10 |
| Preservative: | Cool | Date Analyzed: | 08-04-10 |
| Condition: | Intact | Chain of Custody: | 10089 |

Parameter**Concentration (mg/Kg)****Total Chloride****20**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closures**


Analyst
Review

CHAIN OF CUSTODY RECORD

10089

| Client: EnviroTech | | | Project Name / Location: Land Farm 2 Closures | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|-------------|---|---------------|--------------------------|-----------------------|--------------------------|--|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|---|--|-------------|---------------|---|
| Client Address: | | | Sampler Name: Rene Garcia Reyes | | | | | | | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: 1-02-60001 | | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | Sample Cool | Sample Intact | |
| 53 | 8/2/10 | 13:00 | 55383 | Soil Solid | 402 | | | | X | X | X | | | | | | | | X | | | Y | Y |
| 54 | | 13:10 | 55384 | Soil Solid | | | | | X | X | X | | | | | | | | X | | | | |
| 55 | | 13:20 | 55385 | Soil Solid | | | | | X | X | X | | | | | | | | X | | | | |
| 56 | | 13:30 | 55386 | Soil Solid | | | | | X | X | X | | | | | | | | X | | | | |
| 57 | | 13:40 | 55387 | Soil Solid | | | | | X | X | X | | | | | | | | X | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Date | Time | Received by: (Signature) | | | | | | | | | | Date | Time | | | | | |
| | | | | | 8/2/10 | 16:50 | | | | | | | | | | | 8/2/10 | 1650 | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |



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

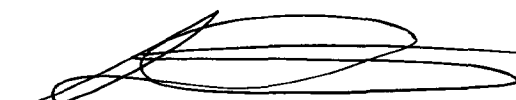
| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 47 | Date Reported: | 09-15-10 |
| Laboratory Number: | 55856 | Date Sampled: | 09-14-10 |
| Chain of Custody No: | 10352 | Date Received: | 09-14-10 |
| Sample Matrix: | Soil | Date Extracted: | 09-14-10 |
| Preservative: | Cool | Date Analyzed: | 09-15-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 2.6 | 0.1 |
| Total Petroleum Hydrocarbons | 2.6 | |


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: **Land Farm 2 Unit 5 Closures**



Analyst



Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 09-15-10 QA/QC | Date Reported: | 09-15-10 |
| Laboratory Number: | 55845 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-15-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 09-15-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 09-15-10 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 | |

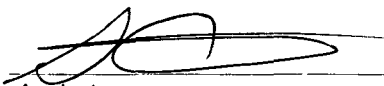
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |

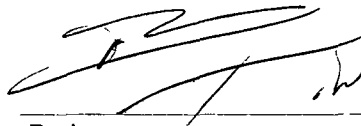
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | ND | 250 | 255 | 102% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 252 | 101% | 75 - 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 55845-55846, 55849-55851, 55855-55858


 Analyst


 Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 47 | Date Reported: | 09-15-10 |
| Laboratory Number: | 55856 | Date Sampled: | 09-14-10 |
| Chain of Custody: | 10352 | Date Received: | 09-14-10 |
| Sample Matrix: | Soil | Date Analyzed: | 09-15-10 |
| Preservative: | Cool | Date Extracted: | 09-14-10 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 10 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | 1.3 | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | 6.2 | 1.2 |
| o-Xylene | 3.1 | 0.9 |
| Total BTEX | 10.6 | |

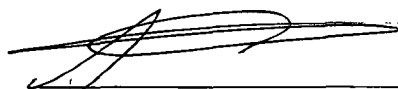
ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.0 % |
| | 1,4-difluorobenzene | 102 % |
| | Bromochlorobenzene | 106 % |

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: Land Farm 2 Unit 5 Closures



Analyst



Review

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0915BBLK QA/QC | Date Reported: | 09-15-10 |
| Laboratory Number: | 55845 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-15-10 |
| Condition: | N/A | Analysis: | BTEX |
| | | Dilution: | 10 |

| Calibration and Detection Limits (ug/L) | I-Cal RF | C-Cal RF | %Diff | Blank Conc | Detect Limit |
|--|-------------|-------------|----------------------|---------------|-----------------|
| | | | Accept Range 0 - 15% | | |
| Benzene | 3.7083E+006 | 3.7158E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.8075E+006 | 1.8111E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.4413E+006 | 1.4442E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.8355E+006 | 2.8411E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.7261E+005 | 9.7456E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc: (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

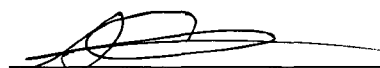
| Spike Conc: (ug/Kg) | Sample | Amount Spiked | Spiked Sample | %Recovery | Accept Range |
|---------------------|--------|---------------|---------------|-----------|--------------|
| Benzene | ND | 500 | 493 | 98.7% | 39 - 150 |
| Toluene | ND | 500 | 501 | 100% | 46 - 148 |
| Ethylbenzene | ND | 500 | 498 | 99.6% | 32 - 160 |
| p,m-Xylene | ND | 1000 | 1,000 | 100% | 46 - 148 |
| o-Xylene | ND | 500 | 500 | 100% | 46 - 148 |

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 55845-55846, 55851-55858


 Analyst

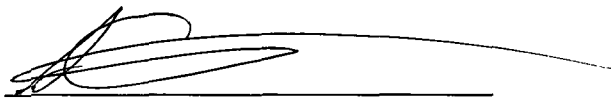

 Review

| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60001 |
| Sample ID: | 47 | Date Reported: | 09-15-10 |
| Lab ID#: | 55856 | Date Sampled: | 09-14-10 |
| Sample Matrix: | Soil | Date Received: | 09-14-10 |
| Preservative: | Cool | Date Analyzed: | 09-15-10 |
| Condition: | Intact | Chain of Custody: | 10352 |

Parameter**Concentration (mg/Kg)****Total Chloride****140**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Unit 5 Closures**



Analyst

Review

CHAIN OF CUSTODY RECORD

10352

| Client: <i>Envirotech</i> | | | Project Name / Location: <i>Land Farm Unit 5 Closures</i> | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | |
|--|-------------|-------------|--|-----------------|--------------------------|--|--|--|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|-------------|---------------|
| Client Address: | | | Sampler Name: <i>Rene Garcia Reyes</i> | | | <div style="display: flex; justify-content: space-between;"> <div> TPH (Method 8015) <input checked="" type="checkbox"/> BTEX (Method 8021) <input checked="" type="checkbox"/> VOC (Method 8260) RCRA 8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE <input checked="" type="checkbox"/> </div> <div> Sample Cool Sample Intact </div> </div> | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: <i>1-02-60001</i> | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | Sample Cool | Sample Intact |
| 47 | 9/14/10 | 12:45 | 55856 | Soil Solid | 402 | | | | X | X | X | | | | | | | | X | X |
| 59 | 9/14/10 | 13:15 | 55857 | Soil Solid | 402 | | | | X | X | X | | | | | | | X | X | X |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | Date 9/14/10 | Time 14:05 | Received by: (Signature) <i>[Signature]</i> | | | | Date 9/14 | Time 14:05 | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | |





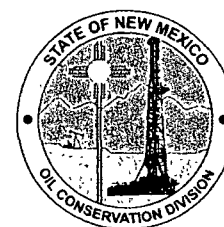
New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Jon Goldstein
Cabinet Secretary

Jim Noel
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



July 6, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated July 2, 2010 to grant approval to apply an additional six-inch lift to the following cell(s):
Cell 46.

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cell(s). Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced landfarm cells does not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. The "parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell," as stated in the July 2, 2010 request, is not equivalent to the regulatory requirement is identified above. It is OCD's understand, from conversations with Mr. Kyle Kerr, that the thickness of each cell would be measured and confirmed during the next vadose zone sampling event. Please note that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does

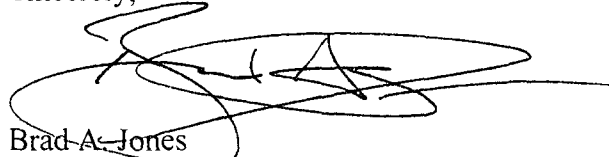


Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
July 6, 2010
Page 2 of 2

approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

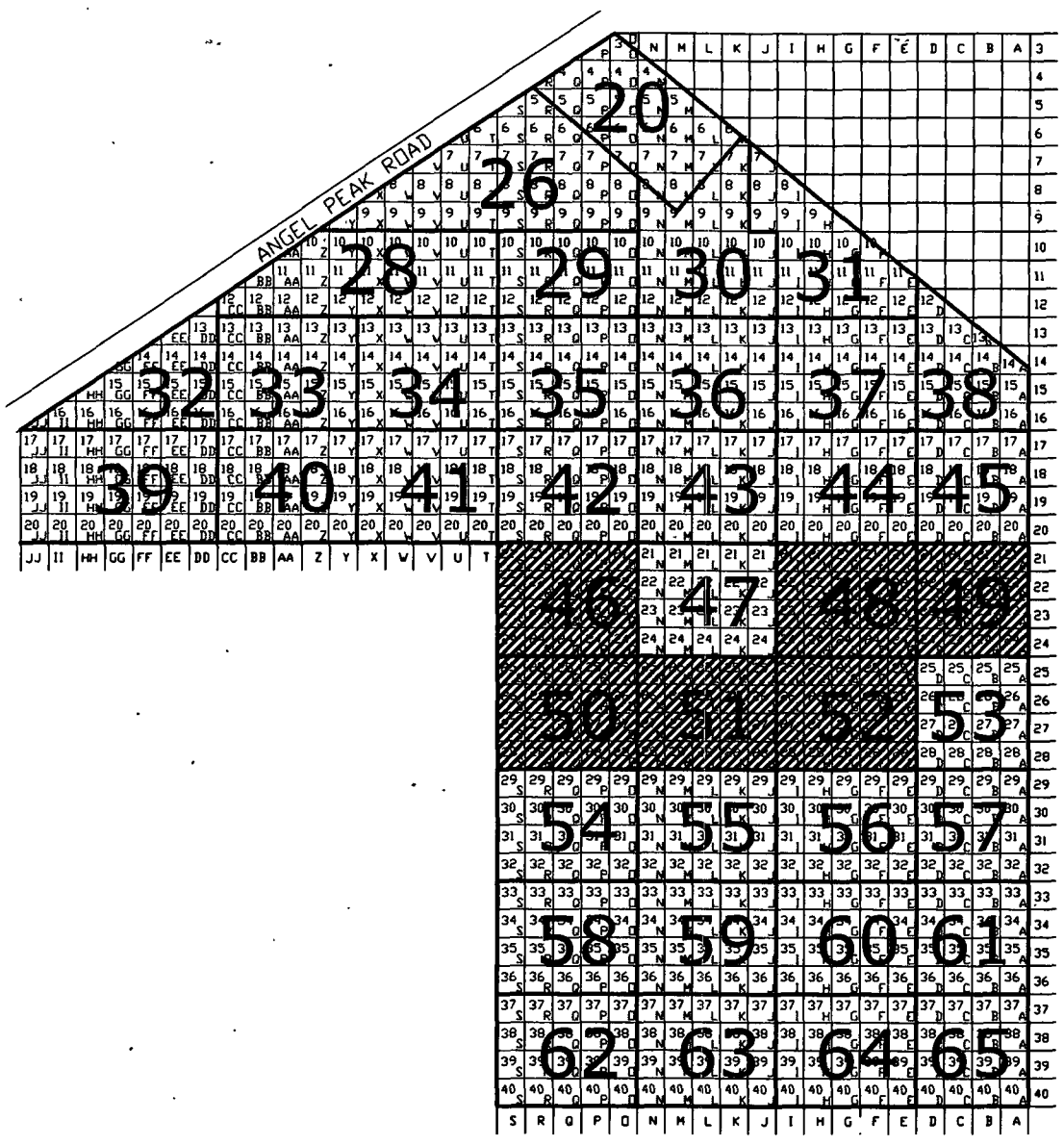
A handwritten signature in black ink, appearing to read "Brad A. Jones", written over a horizontal line.


Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: June 24, 2010)

cc: OCD District III Office, Aztec



| | | | | |
|--|------|------------|-------------|-----|
| ENVIROTECH NMOCD PERMITTED LANDFARM # 2 UNIT 5 | | | | |
| SCALE: 1=100' | | FIGURE NO. | | REV |
| PROJECT NO. | | | | |
| REVISIONS | | | | |
| | | | | |
| | | | | |
| NO. | DATE | BY | DESCRIPTION | |
| MAP DRWN | JMK | 12-1-09 | BASE DRWN | |
|  envirotech | | | | |
| 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615 | | | | |



July 2, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OCD

2010 JUL -6 P 1:19

RE: ENVIROTECH'S LANDFARM #2 DISCONTINUED MAINTENANCE AND ADDITIONAL LIFT FOR CELL 46 IN LAND FARM 2 UNIT 5.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2, for cell 46 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design as well as the other cells previously approved. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 the cell being requested for discontinued maintenance has passed laboratory analysis of less than 100 ppm TPH, 50 ppb BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were collected as a five-point composite. Remediation zone layers averaged 12" in depth, results available upon request.

The blue cell 46 has passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (see attached laboratory results). As you will notice the BTEX results are in parts per billion, so the result should read .0208. Envirotech hereby requests this cell be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to this cell.

Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts in each cell up to this time:

Cell 46: 9,723 cubic yards

Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 is currently under limited space constraints. Therefore, Envirotech respectfully requests expedition of this matter, in order that our Land Farm #2 may continue to serve the Four Corners region without interruption.

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

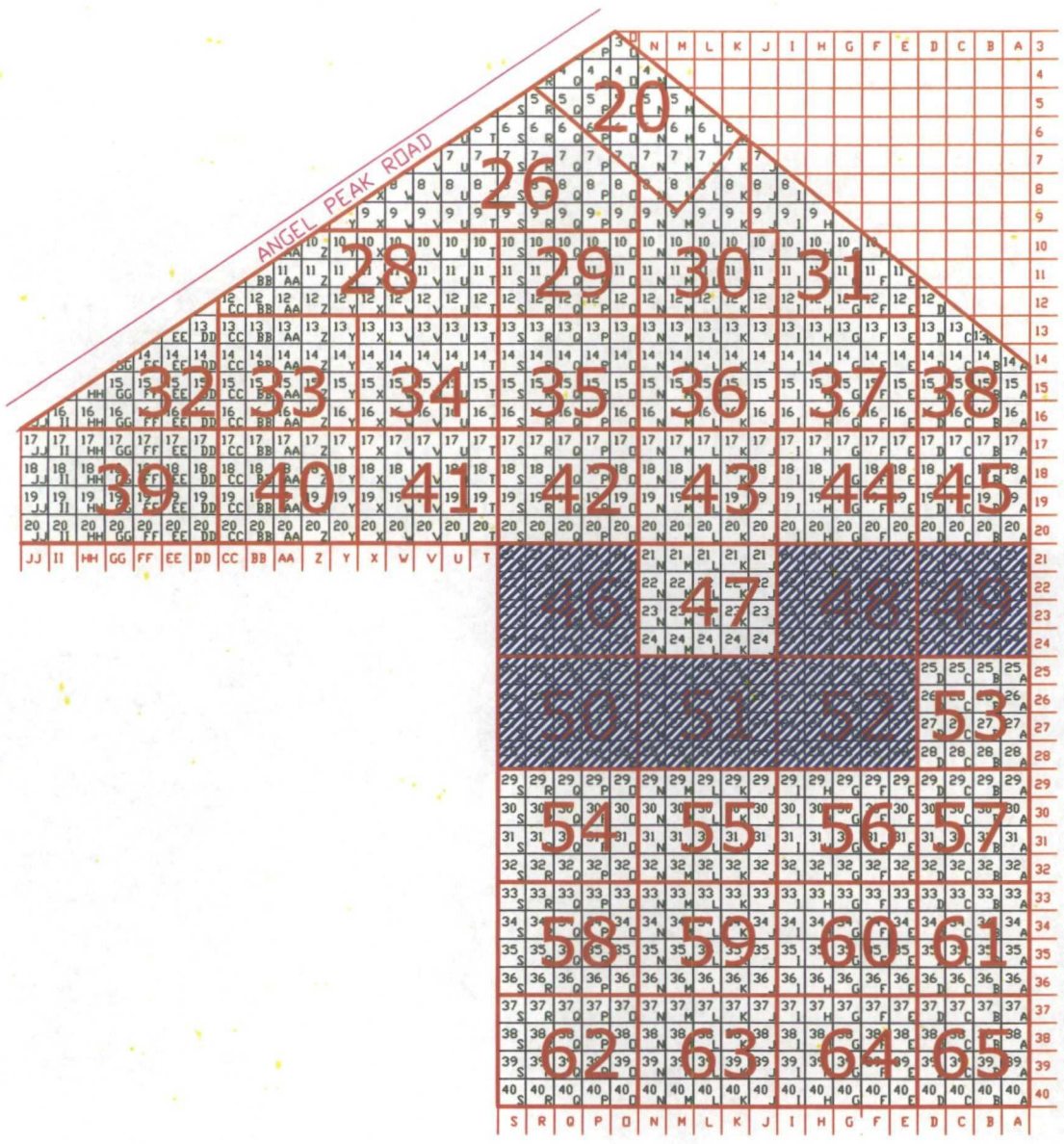


April E. Pohl
Land Farm Administrator
apohl@envirotech-inc.com



Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com

AEP/Office/Corporate/LF/DC maintenance and added lift/7-2-10



ENVIROTECH
NMOCD PERMITTED
LANDFARM # 2
UNIT 5

| | | | |
|---------------|------|------------|-------------|
| SCALE: 1=100' | | FIGURE NO. | REV |
| PROJECT NO. | | | |
| REVISIONS | | | |
| | | | |
| | | | |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | JMK | 12-7-09 | BASE DRWN |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

Client: Envirotech
Sample ID: 46
Laboratory Number: 53711
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | 165 | 1.0 |
| Ethylbenzene | 9.4 | 1.0 |
| p,m-Xylene | 20.4 | 1.2 |
| o-Xylene | 13.3 | 0.9 |
| Total BTEX | 208 | |

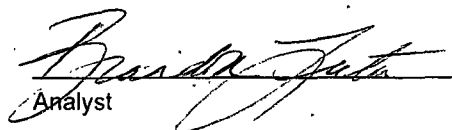
ND - Parameter not detected at the stated detection limit.

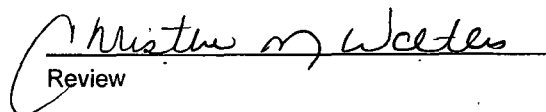
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.6 % |
| | 1,4-difluorobenzene | 99.2 % |
| | Bromochlorobenzene | 98.8 % |

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: Landfarm 2 Unit 5 Closures


Analyst


Review

| | | | |
|--------------------|------------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 04-29-BTEX QA/QC | Date Reported: | 04-30-10 |
| Laboratory Number: | 53704 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 04-29-10 |
| 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 | 2.1496E+006 | 2.1539E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.1328E+006 | 1.1351E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 8.0255E+005 | 8.0416E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.1971E+006 | 2.2015E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.5956E+005 | 9.6149E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | 14.0 | 13.5 | 3.6% | 0 - 30% | 1.0 |
| Ethylbenzene | 2.4 | 2.1 | 12.5% | 0 - 30% | 1.0 |
| p,m-Xylene | 8.2 | 8.1 | 1.2% | 0 - 30% | 1.2 |
| o-Xylene | 1.5 | 1.3 | 13.3% | 0 - 30% | 0.9 |

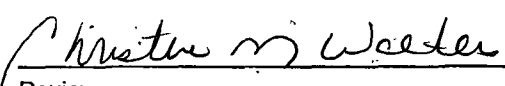
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 50.6 | 101% | 39 - 150 |
| Toluene | 14.0 | 50.0 | 58.0 | 90.6% | 46 - 148 |
| Ethylbenzene | 2.4 | 50.0 | 53.5 | 102% | 32 - 160 |
| p,m-Xylene | 8.2 | 100 | 103.8 | 95.9% | 46 - 148 |
| o-Xylene | 1.5 | 50.0 | 51.9 | 101% | 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 53704 - 53711 and 53877 - 53878.


 Analyst


 Review



envirotech
Analytical Laboratory

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

Client: Envirotech
Sample ID: 46
Laboratory Number: 53711
Chain of Custody No: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Extracted: 04-23-10
Date Analyzed: 04-29-10
Analysis Requested: 8015 TPH

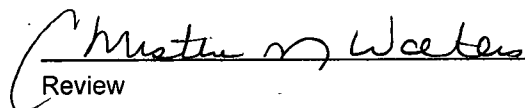
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 6.8 | 0.2 |
| Diesel Range (C10 - C28) | 80.4 | 0.1 |
| Total Petroleum Hydrocarbons | 87.2 | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 04-29-10 QA/QC | Date Reported: | 04-30-10 |
| Laboratory Number: | 53704 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 04-29-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07-07 | 1.0028E+003 | 1.0032E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9912E+002 | 9.9952E+002 | 0.04% | 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 | 230 | 230 | 0.0% | 0 - 30% |

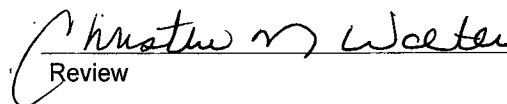
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | ND | 250 | 255 | 102% | 75 - 125% |
| Diesel Range C10 - C28 | 230 | 250 | 481 | 100% | 75 - 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 53704 - 53711 and 53877 - 53878.**


 Analyst


 Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 46 | Date Reported: | 04-30-10 |
| Lab ID#: | 53711 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

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

Total Chloride

50

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review

CHAIN OF CUSTODY RECORD


09092

| Client: EnviroTech | | Project Name / Location: Landfarm 2 units Closures | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | |
|---|-------------|---|---------|---------------|--------------------------|--|---|---|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|-------------------|-------------|---------------|
| Client Address: | | Sampler Name: Rene Garcia | | | | TPH (Method 8015) BTEX (Method 8021) VOC (Method 8260) RCRA-8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE SELENE Sample Cool Sample Intact | | | | | | | | | | | | | | | |
| Client Phone No.: | | Client No.: 1-02-60002 | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA-8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | SELENE | Sample Cool | Sample Intact |
| 53 | 4/15/10 | 10:00 | 53704 | Soil Solid | 402 | | | X | X | X | | | | | | | | X | X | X | X |
| 52 | | 10:15 | 53705 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 51 | | 10:30 | 53706 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 50 | | 10:45 | 53707 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 49 | | 11:00 | 53708 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 48 | | 11:15 | 53709 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 47 | | 11:30 | 53710 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| 46 | | 11:45 | 53711 | Soil Solid | | | | X | X | X | | | | | | | | X | X | X | X |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | | Date | Time | Received by: (Signature) <i>[Signature]</i> | | | | | Date | Time | | | | | | | | |
| Relinquished by: (Signature) | | | | | 4/15/10 | 12:50 | Received by: (Signature) | | | | | 4/15/10 | 12:50 | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | |



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



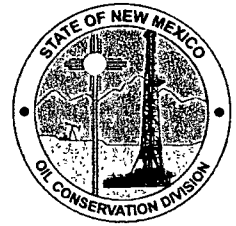
New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Jon Goldstein
Cabinet Secretary

Jim Noel
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



June 29, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated June 24, 2010 to grant approval to apply an additional six-inch lift to the following cells:
Cells 48, 49, 50, 51, and 52.

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cells. Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced landfarm cells does not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. The "parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell," as stated in the June 24, 2010 request, is not equivalent to the regulatory requirement is identified above. It is OCD's understand, from conversations with Mr. Kyle Kerr, that the thickness of each cell would be measured and confirmed during the next vadose zone sampling event. Please note that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

OCD was unable to consider **Cell 46**, as requested in the June 24, 2010 submittal, for approval due to the absence of analytical data.




Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
June 29, 2010
Page 2 of 2

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

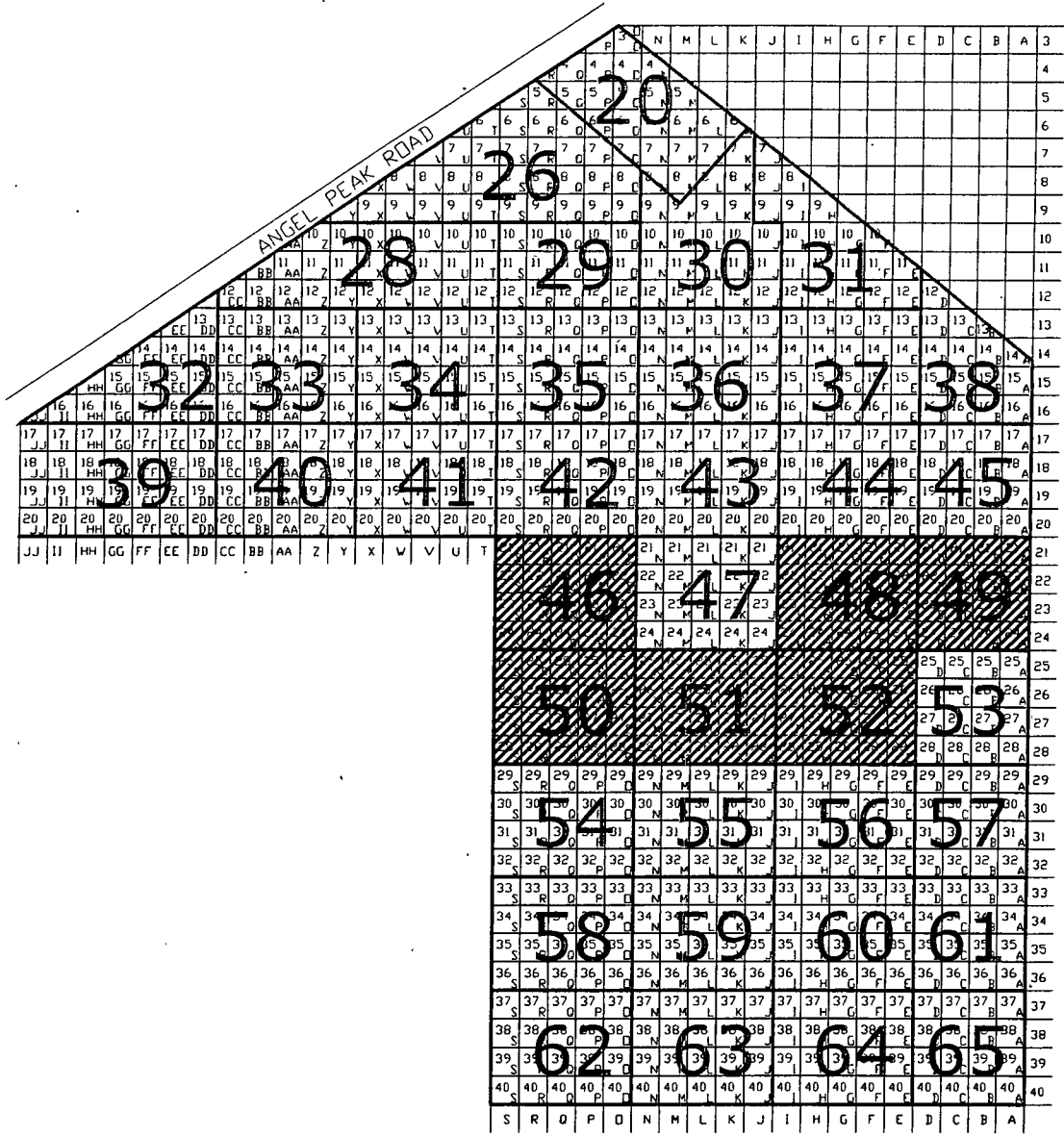



Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: June 23, 2010)

cc: OCD District III Office, Aztec



| | | | | |
|--|------|------------|-------------|-----|
| ENVIROTECH NMOC D PERMITTED LANDFARM # 2 UNIT 5 | | | | |
| SCALE: 1=100' | | FIGURE NO. | | REV |
| PROJECT NO | | | | |
| REVISIONS | | | | |
| | | | | |
| | | | | |
| NO. | DATE | BY | DESCRIPTION | |
| MAP DRWN | BWW | 6-23-10 | BASE DRWN | |
|  envirotech | | | | |
| 5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615 | | | | |



June 24, 2010

RECEIVED OCD

2010 JUN 28 P 2: 17

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: ENVIROTECH'S LANDFARM #2 DISCONTINUED MAINTENANCE AND ADDITIONAL LIFT FOR CELLS 46, 48, 49, 50, 51 AND 52 IN LAND FARM 2 UNIT 5.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2, for cells 46, 48, 49, 50, 51 and 52 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 all cells being requested for discontinued maintenance have passed laboratory analysis of less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were collected as a five-point composite. Remediation zone layers averaged 12" in depth, results available upon request.

The blue cells (46, 48, 49, 50, 51 and 52) have passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (see attached laboratory results). Envirotech hereby requests these cells be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to these cells.

Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts in each cell up to this time:

Cell 46: 9,723 cubic yards
Cell 50: 5,477 cubic yards

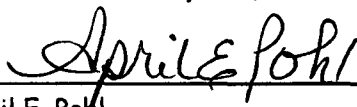
Cell 48: 5,233 cubic yards
Cell 51: 7,658 cubic yards

Cell 49: 6,459 cubic yards
Cell 52: 7,380 cubic yards


Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 is currently under limited space constraints. Therefore, Envirotech respectfully requests expedition of this matter, in order that our Land Farm #2 may continue to serve the Four Corners region without interruption.

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

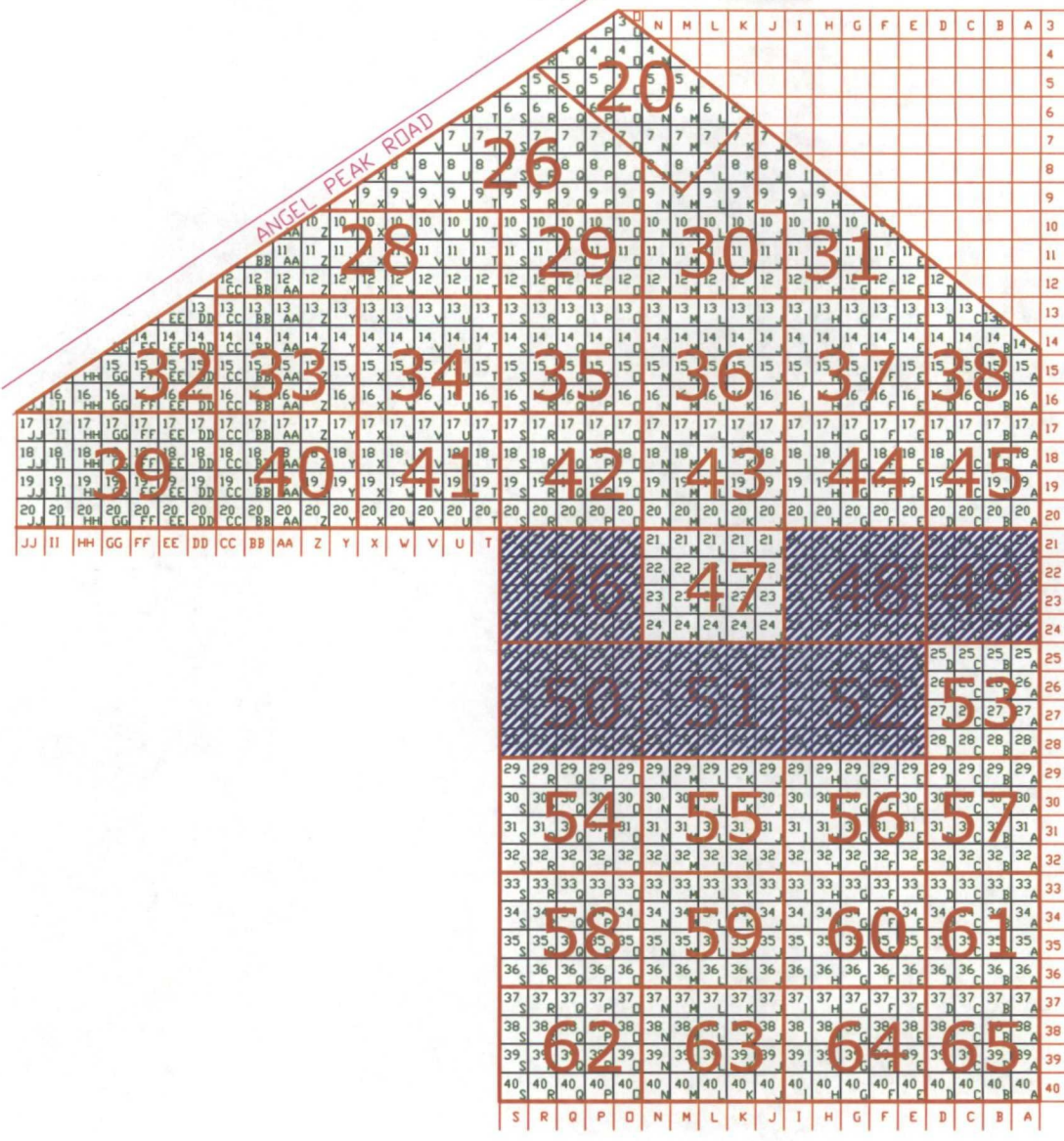


April E. Pohl
Land Farm Administrator
apohl@envirotech-inc.com



Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com

AEP/Office/Corporate/LF/DC maintenance and added lift/6-24-10



ENVIROTECH
NMOC D PERMITTED
LANDFARM # 2
UNIT 5

| | | | |
|---------------|------|------------|-------------|
| SCALE: 1=100' | | FIGURE NO. | REV |
| PROJECT NO. | | | |
| REVISIONS | | | |
| | | | |
| | | | |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | BWW | 6-23-10 | BASE DRWN |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

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

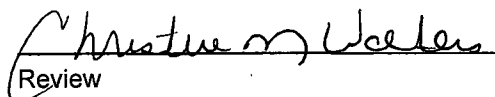
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 52 | Date Reported: | 04-30-10 |
| Laboratory Number: | 53705 | Date Sampled: | 04-15-10 |
| Chain of Custody No: | 9092 | Date Received: | 04-15-10 |
| Sample Matrix: | Soil | Date Extracted: | 04-23-10 |
| Preservative: | Cool | Date Analyzed: | 04-29-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 81.4 | 0.1 |
| Total Petroleum Hydrocarbons | 81.4 | 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: **Landfarm 2 Unit 5 Closures**


Analyst
Review



envirotech
Analytical Laboratory

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

Client: Envirotech
Sample ID: 51
Laboratory Number: 53706
Chain of Custody No: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

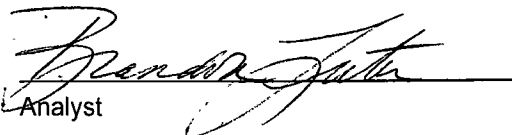
Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Extracted: 04-23-10
Date Analyzed: 04-29-10
Analysis Requested: 8015 TPH

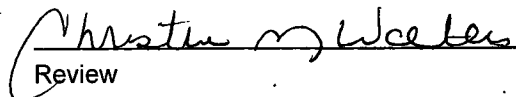
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 46.6 | 0.1 |
| Total Petroleum Hydrocarbons | 46.6 | 0.2 |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm 2 Unit 5 Closures**


Analyst


Review



envirotech
Analytical Laboratory

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

Client: Envirotech
Sample ID: 50
Laboratory Number: 53707
Chain of Custody No: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Extracted: 04-23-10
Date Analyzed: 04-29-10
Analysis Requested: 8015 TPH

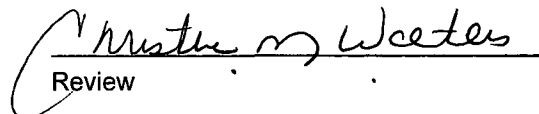
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 23.9 | 0.1 |
| Total Petroleum Hydrocarbons | 23.9 | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review

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

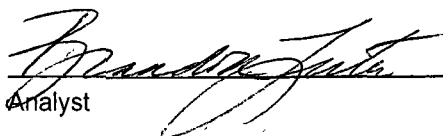
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 49 | Date Reported: | 04-30-10 |
| Laboratory Number: | 53708 | Date Sampled: | 04-15-10 |
| Chain of Custody No: | 9092 | Date Received: | 04-15-10 |
| Sample Matrix: | Soil | Date Extracted: | 04-23-10 |
| Preservative: | Cool | Date Analyzed: | 04-29-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

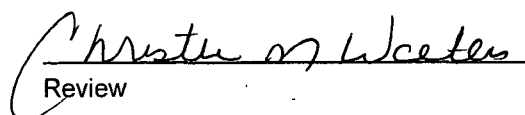
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review

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

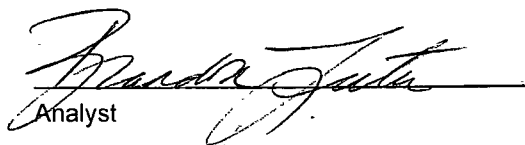
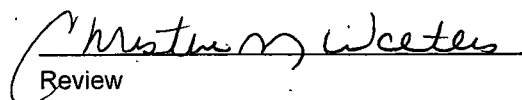
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 48 | Date Reported: | 04-30-10 |
| Laboratory Number: | 53709 | Date Sampled: | 04-15-10 |
| Chain of Custody No: | 9092 | Date Received: | 04-15-10 |
| Sample Matrix: | Soil | Date Extracted: | 04-23-10 |
| Preservative: | Cool | Date Analyzed: | 04-29-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 116 | 0.1 |
| Total Petroleum Hydrocarbons | 116 | 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: **Landfarm 2 Unit 5 Closures**


Analyst
Review



envirotech

Analytical Laboratory

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 04-29-10 QA/QC | Date Reported: | 04-30-10 |
| Laboratory Number: | 53704 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 04-29-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 1.0028E+003 | 1.0032E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9912E+002 | 9.9952E+002 | 0.04% | 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 | 230 | 230 | 0.0% | 0 - 30% |

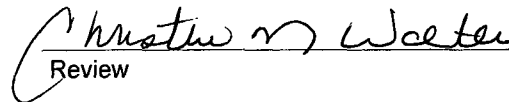
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 255 | 102% | 75 - 125% |
| Diesel Range C10 - C28 | 230 | 250 | 481 | 100% | 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 53704 - 53711 and 53877 - 53878.


Analyst


Review

Client: Envirotech
Sample ID: 52
Laboratory Number: 53705
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 21.5 | 0.9 |
| Toluene | 11.2 | 1.0 |
| Ethylbenzene | 2.5 | 1.0 |
| p,m-Xylene | 12.1 | 1.2 |
| o-Xylene | 3.6 | 0.9 |
| Total BTEX | 50.9 | |

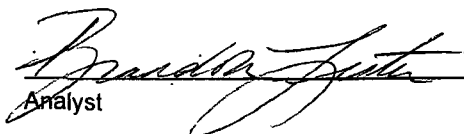
ND - Parameter not detected at the stated detection limit.

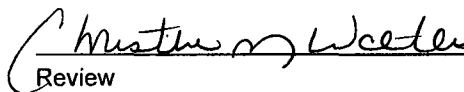
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 96.8 % |
| | 1,4-difluorobenzene | 96.6 % |
| | Bromochlorobenzene | 98.0 % |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Landfarm 2 Unit 5 Closures


Analyst


Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Envirotech
Sample ID: 51
Laboratory Number: 53706
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 11.5 | 0.9 |
| Toluene | 8.7 | 1.0 |
| Ethylbenzene | 1.8 | 1.0 |
| p,m-Xylene | 5.3 | 1.2 |
| o-Xylene | 3.0 | 0.9 |
| Total BTEX | 30.3 | |

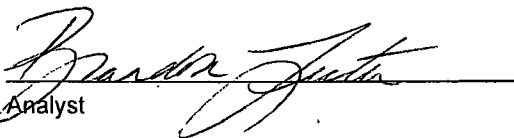
ND - Parameter not detected at the stated detection limit.

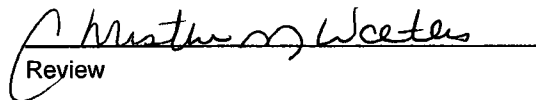
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 95.4 % |
| | 1,4-difluorobenzene | 97.0 % |
| | Bromochlorobenzene | 98.4 % |

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: Landfarm 2 Unit 5 Closures


Analyst


Review

Client: Envirotech
Sample ID: 50
Laboratory Number: 53707
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | 12.4 | 0.9 |
| Toluene | 11.1 | 1.0 |
| Ethylbenzene | 2.4 | 1.0 |
| p,m-Xylene | 10.9 | 1.2 |
| o-Xylene | 3.1 | 0.9 |
| Total BTEX | 39.9 | |

ND - Parameter not detected at the stated detection limit.

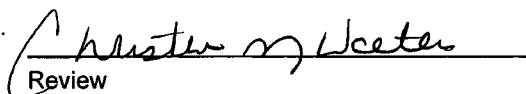
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 97.2 % |
| | 1,4-difluorobenzene | 95.8 % |
| | Bromochlorobenzene | 97.0 % |

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: Landfarm 2 Unit 5 Closures


Analyst


Review

Client: Envirotech
Sample ID: 49
Laboratory Number: 53708
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 33.3 | 0.9 |
| Toluene | 10.1 | 1.0 |
| Ethylbenzene | 2.4 | 1.0 |
| p,m-Xylene | 13.7 | 1.2 |
| o-Xylene | 3.4 | 0.9 |
| Total BTEX | 62.9 | |

ND - Parameter not detected at the stated detection limit.

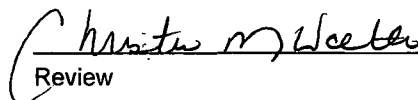
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 102 % |
| | 1,4-difluorobenzene | 97.2 % |
| | Bromochlorobenzene | 99.4 % |

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: Landfarm 2 Unit 5 Closures


Analyst


Review

Client: Envirotech
Sample ID: 48
Laboratory Number: 53709
Chain of Custody: 9092
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 04-30-10
Date Sampled: 04-15-10
Date Received: 04-15-10
Date Analyzed: 04-29-10
Date Extracted: 04-23-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 16.9 | 0.9 |
| Toluene | 8.6 | 1.0 |
| Ethylbenzene | 1.2 | 1.0 |
| p,m-Xylene | 7.5 | 1.2 |
| o-Xylene | 2.7 | 0.9 |
| Total BTEX | 36.9 | |

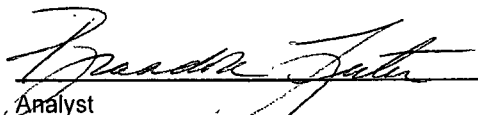
ND - Parameter not detected at the stated detection limit.

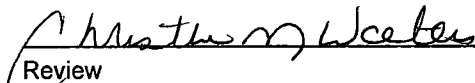
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.0 % |
| | 1,4-difluorobenzene | 103 % |
| | Bromochlorobenzene | 99.4 % |

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: Landfarm 2 Unit 5 Closures


Analyst


Review

| | | | |
|--------------------|------------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 04-29-BTEX QA/QC | Date Reported: | 04-30-10 |
| Laboratory Number: | 53704 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 04-29-10 |
| 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 | 2.1496E+006 | 2.1539E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.1328E+006 | 1.1351E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 8.0255E+005 | 8.0416E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.1971E+006 | 2.2015E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.5956E+005 | 9.6149E+005 | 0.2% | ND | 0.1 |

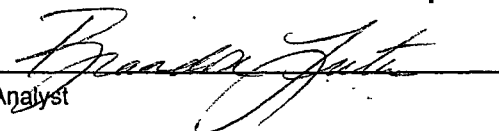
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | 14.0 | 13.5 | 3.6% | 0 - 30% | 1.0 |
| Ethylbenzene | 2.4 | 2.1 | 12.5% | 0 - 30% | 1.0 |
| p,m-Xylene | 8.2 | 8.1 | 1.2% | 0 - 30% | 1.2 |
| o-Xylene | 1.5 | 1.3 | 13.3% | 0 - 30% | 0.9 |

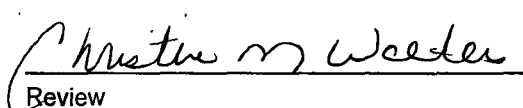
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 50.6 | 101% | 39 - 150 |
| Toluene | 14.0 | 50.0 | 58.0 | 90.6% | 46 - 148 |
| Ethylbenzene | 2.4 | 50.0 | 53.5 | 102% | 32 - 160 |
| p,m-Xylene | 8.2 | 100 | 103.8 | 95.9% | 46 - 148 |
| o-Xylene | 1.5 | 50.0 | 51.9 | 101% | 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 53704 - 53711 and 53877 - 53878.


 Analyst


 Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 52 | Date Reported: | 04-30-10 |
| Lab ID#: | 53705 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

Parameter

Concentration (mg/Kg)

Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 51 | Date Reported: | 04-30-10 |
| Lab ID#: | 53706 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

Parameter

Concentration (mg/Kg)

Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 50 | Date Reported: | 04-30-10 |
| Lab ID#: | 53707 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

Parameter

Concentration (mg/Kg)

Total Chloride

65

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 49 | Date Reported: | 04-30-10 |
| Lab ID#: | 53708 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

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

Total Chloride

5

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 48 | Date Reported: | 04-30-10 |
| Lab ID#: | 53709 | Date Sampled: | 04-15-10 |
| Sample Matrix: | Soil | Date Received: | 04-15-10 |
| Preservative: | Cool | Date Analyzed: | 04-27-10 |
| Condition: | Intact | Chain of Custody: | 9092 |

Parameter

Concentration (mg/Kg)

Total Chloride

55

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review

CHAIN OF CUSTODY RECORD

09092

| Client: EnviroTech | | Project Name / Location: Landfarm 2 units Closures | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|---------------|----------------|--------------------------|--|---|---|---|------|------|--|--|--|---|---|---|---|---|-------------------|--------------------|-------------------|---------------|---------------------|-------------|---------------|-----|-------------|----------|---------------------|-------------|---------------|
| Client Address: | | Sampler Name: Rene Garcia | | | | <table border="1"> <tr> <th>TPH (Method 8015)</th> <th>BTEX (Method 8021)</th> <th>VOC (Method 8260)</th> <th>RCRA 8 Metals</th> <th>Cation / Anion</th> <th>RCI</th> <th>TCLP with H/P</th> <th>PAH</th> <th>TPH (418.1)</th> <th>CHLORIDE</th> <th>SELENIUM</th> <th>Sample Cool</th> <th>Sample Intact</th> </tr> </table> | | | | | | | | | | | | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | SELENIUM | Sample Cool | Sample Intact |
| TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | | | | | | | | | | | | | | | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | SELENIUM | Sample Cool | Sample Intact | | | | | | |
| Client Phone No.: | | Client No.: 1-02-60002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 4/15/10 | 10:00 | 53704 | Soil Solid | 402 | | X | X | X | | | | | | | | X | X | | X | X | | | | | | | | | | | |
| 52 | | 10:15 | 53705 | Soil Solid | | | X | X | X | | | | | | | | X | X | | X | X | | | | | | | | | | | |
| 51 | | 10:30 | 53706 | Soil Solid | | X | X | X | | | | | | | X | X | | X | X | | | | | | | | | | | | | |
| 50 | | 10:45 | 53707 | Soil Solid | | X | X | X | | | | | | | X | X | | X | X | | | | | | | | | | | | | |
| 49 | | 11:00 | 53708 | Soil Solid | | X | X | X | | | | | | | X | X | | X | X | | | | | | | | | | | | | |
| 48 | | 11:15 | 53709 | Soil Solid | | X | X | X | | | | | | | X | X | | X | X | | | | | | | | | | | | | |
| 47 | | 11:30 | 53710 | Soil Solid | | X | X | X | | | | | | | X | X | | X | X | | | | | | | | | | | | | |
| 46 | | 11:45 | 53711 | Soil Solid | | | X | X | X | | | | | | | | X | X | | X | X | | | | | | | | | | | |
| | | | | Soil Solid | | Sludge Aqueous | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | Sludge Aqueous | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) [Signature] | | | | Date | Time | Received by: (Signature) [Signature] | | | | Date | Time | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | | | | | | | | | |



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com



envirotech
Analytical Laboratory

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

| | | | |
|----------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60002 |
| Sample ID: | Cell 48 | Date Reported: | 06-17-10 |
| Laboratory Number: | 54604 | Date Sampled: | 06-04-10 |
| Chain of Custody No: | 9599 | Date Received: | 06-04-10 |
| Sample Matrix: | Soil | Date Extracted: | 06-12-10 |
| Preservative: | Cool | Date Analyzed: | 06-14-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 27.4 | 0.1 |
| Total Petroleum Hydrocarbons | 27.4 | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 06-14-10 QA/QC | Date Reported: | 06-17-10 |
| Laboratory Number: | 54602 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 06-14-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 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 | 128 | 121 | 5.5% | 0 - 30% |
| Diesel Range C10 - C28 | 282 | 273 | 3.2% | 0 - 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | 128 | 250 | 448 | 119% | 75 - 125% |
| Diesel Range C10 - C28 | 282 | 250 | 590 | 111% | 75 - 125% |

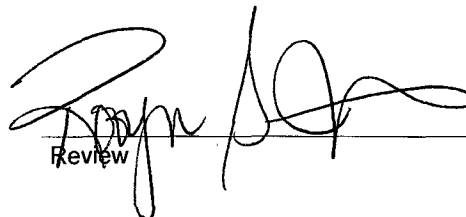
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 54664, 54602-54604, 54709, 54677-54690 and 54665.



Analyst



Review

| | | | |
|--------------------|------------|---------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60002 |
| Sample ID: | Cell 48 | Date Reported: | 06-16-10 |
| Laboratory Number: | 54604 | Date Sampled: | 06-04-10 |
| Chain of Custody: | 9599 | Date Received: | 06-04-10 |
| Sample Matrix: | Soil | Date Analyzed: | 06-14-10 |
| Preservative: | Cool | Date Extracted: | 06-12-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | 2.2 | 1.0 |
| Ethylbenzene | 2.6 | 1.0 |
| p,m-Xylene | 5.4 | 1.2 |
| o-Xylene | 5.5 | 0.9 |
| Total BTEX | 15.7 | |


ND - Parameter not detected at the stated detection limit.

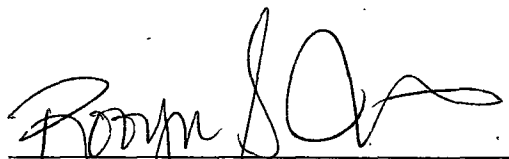
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 107 % |
| | 1,4-difluorobenzene | 105 % |
| | Bromochlorobenzene | 103 % |

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: Landfarm 2 Unit 5 Closures



Analyst

Review



| | | | |
|----------------|------------|-------------------|------------|
| Client: | Envirotech | Project #: | 1-02-60002 |
| Sample ID: | Cell 48 | Date Reported: | 06-17-10 |
| Lab ID#: | 54604 | Date Sampled: | 06-04-10 |
| Sample Matrix: | Soil | Date Received: | 06-04-10 |
| Preservative: | Cool | Date Analyzed: | 06-14-10 |
| Condition: | Intact | Chain of Custody: | 9599 |

Parameter

Concentration (mg/Kg)

Total Chloride

60

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landarm 2 Unit 5 Closures**

Analyst

Review

| | | | |
|--------------------|---------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0614BBL QA/QC | Date Reported: | 06-16-10 |
| Laboratory Number: | 54602 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 06-14-10 |
| 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 | 1.3235E+006 | 1.3261E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.3048E+006 | 1.3074E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.0800E+006 | 1.0821E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.6296E+006 | 2.6348E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.6184E+005 | 9.6377E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|-------|--------------|---------------|
| Benzene | 1.9 | 1.7 | 10.5% | 0 - 30% | 0.9 |
| Toluene | 19.7 | 13.9 | 29.4% | 0 - 30% | 1.0 |
| Ethylbenzene | 43.6 | 47.7 | 9.4% | 0 - 30% | 1.0 |
| p,m-Xylene | 292 | 279 | 4.5% | 0 - 30% | 1.2 |
| o-Xylene | 188 | 191 | 1.5% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | 1.9 | 50.0 | 46.2 | 89.1% | 39 - 150 |
| Toluene | 19.7 | 50.0 | 65.0 | 93.2% | 46 - 148 |
| Ethylbenzene | 43.6 | 50.0 | 110 | 117% | 32 - 160 |
| p,m-Xylene | 292 | 100 | 337 | 86.1% | 46 - 148 |
| o-Xylene | 188 | 50.0 | 260 | 109% | 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 54664, 54665, 54602-54604, 54709, 54677-54680.

Analyst

Review


CHAIN OF CUSTODY RECORD

09599

| Client: <i>E-tech</i> | | | Project Name / Location: <i>Landform 2 Unit 5 Closures</i> | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | |
|--|---------------|--------------|---|----------------------------------|--------------------------|--|--|------------|-------------------|-----------------------|---------------------|---------------|----------------|-----|---------------|-----|-------------|----------|--|--|-------------|---------------|
| Client Address: | | | Sampler Name: <i>Kyle Cassum</i> | | | | TPH (Method 8015) BTEX (Method 8021) VOC (Method 8260) RCRA 8 Metals Cation / Anion RCI TCLP with H/P PAH TPH (418.1) CHLORIDE Sample Cool Sample Intact | | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: <i>1-02-60002</i> | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | Sample Cool | Sample Intact |
| <i>Cell 47</i> | <i>6-4-10</i> | <i>13:48</i> | <i>54602</i> | <i>Soil Solid</i> Sludge Aqueous | <i>1/4 oz</i> | | | <i>cel</i> | X | X | | | | | | | | X | | | Y | Y |
| <i>Cell 53</i> | <i>6-4-10</i> | <i>14:21</i> | <i>54603</i> | <i>Soil Solid</i> Sludge Aqueous | <i>1/4 oz</i> | | | <i>Y</i> | X | X | | | | | | | | X | | | I | I |
| <i>Cell 48</i> | <i>6-4-10</i> | <i>14:00</i> | <i>54604</i> | <i>Soil Solid</i> Sludge Aqueous | <i>1/4 oz</i> | | | <i>X</i> | X | X | | | | | | | | X | | | I | I |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Kyle Cassum</i> | | | | Date <i>6-4-10</i> | Time <i>15:30</i> | Received by: (Signature) <i>[Signature]</i> | | | | Date <i>6/4/10</i> | Time <i>1530</i> | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |



envirotech
Analytical Laboratory



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Jon Goldstein
Cabinet Secretary

Jim Noel
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



March 25, 2010

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated March 12, 2010 to grant approval to apply an additional six-inch lift to the following cells: **Cells 29, 30, 31, 35, 36, 37, 38, 42, 43, 44, and 45.**

Based upon the analytical results provided, the OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cells. Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced landfarm cells does not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. Note, that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

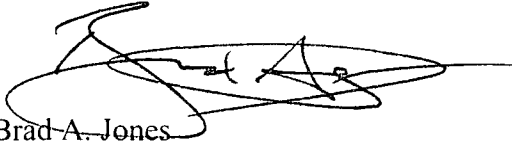
Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.



Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
December 1, 2009
Page 2 of 2

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

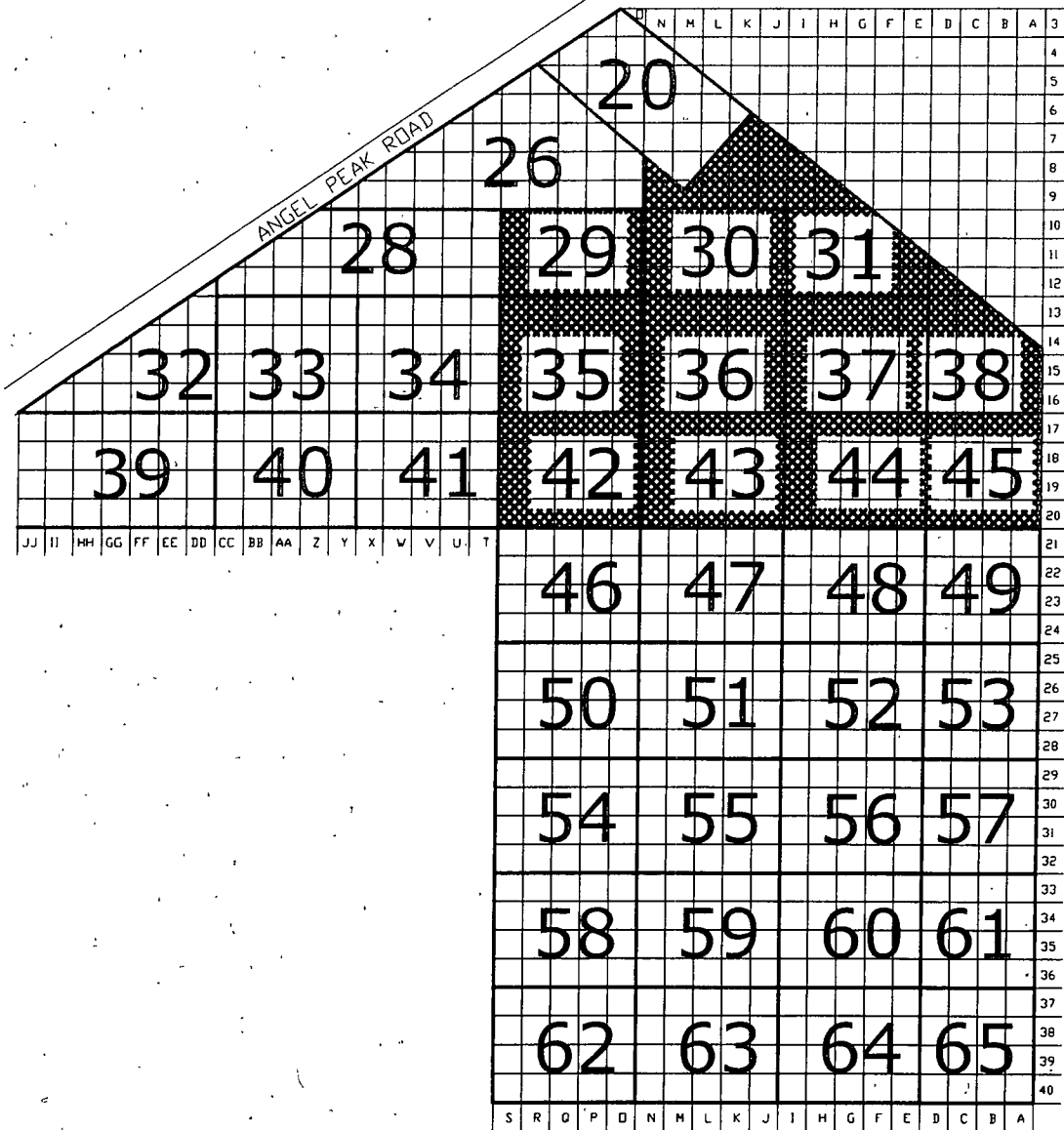
A handwritten signature in black ink, appearing to read 'Brad A. Jones', with a large, stylized flourish extending from the end of the signature.

Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: March 11, 2010)

cc: OCD District III Office, Aztec



ENVIROTECH
NMOCD PERMITTED
LANDFARM # 2
UNIT 5

SCALE. 1=100'

PROJECT NO.

FIGURE NO.

REV
1

REVISIONS

3-11-10 JMK CLOSED CELLS

NO DATE BY DESCRIPTION

MAP DRWN JMK 12-7-09 BASE DRWN





March 12, 2010

Mr. Brad Jones
New Mexico Oil Conservation District
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OCD

2010 MAR 12 P 1:24

RE: ENVIROTECH'S LANDFARM #2 DISCONTINUED MAINTENANCE AND ADDITIONAL LIFT FOR CELLS 29, 30, 31, 35, 36, 37, 38, 42, 43, 44, 45 IN LAND FARM 2 UNIT 5.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2, for cells 29, 30, 31, 35, 36, 37, 38, 42, 43, 43 and 44 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design. As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 all cells being requested for discontinued maintenance have passed laboratory analysis of less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were collected as a five-point composite.

The blue cells (29, 30, 31, 35, 36, 37, 38, 42, 43, 43 and 44) have passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes (see attached laboratory results). Envirotech hereby requests these cells be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to these cells.

Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts in each cell up to this time:

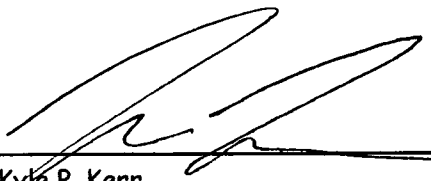
| | | |
|----------------------------|----------------------------|----------------------------|
| Cell 29: 4,759 cubic yards | Cell 30: 8,358 cubic yards | Cell 31: 6,173 cubic yards |
| Cell 35: 5,660 cubic yards | Cell 36: 6,136 cubic yards | Cell 37: 7,867 cubic yards |
| Cell 38: 7,984 cubic yards | Cell 42: 4,931 cubic yards | Cell 43: 7,413 cubic yards |
| Cell 44: 7,924 cubic yards | Cell 45: 8,325 cubic yards | |

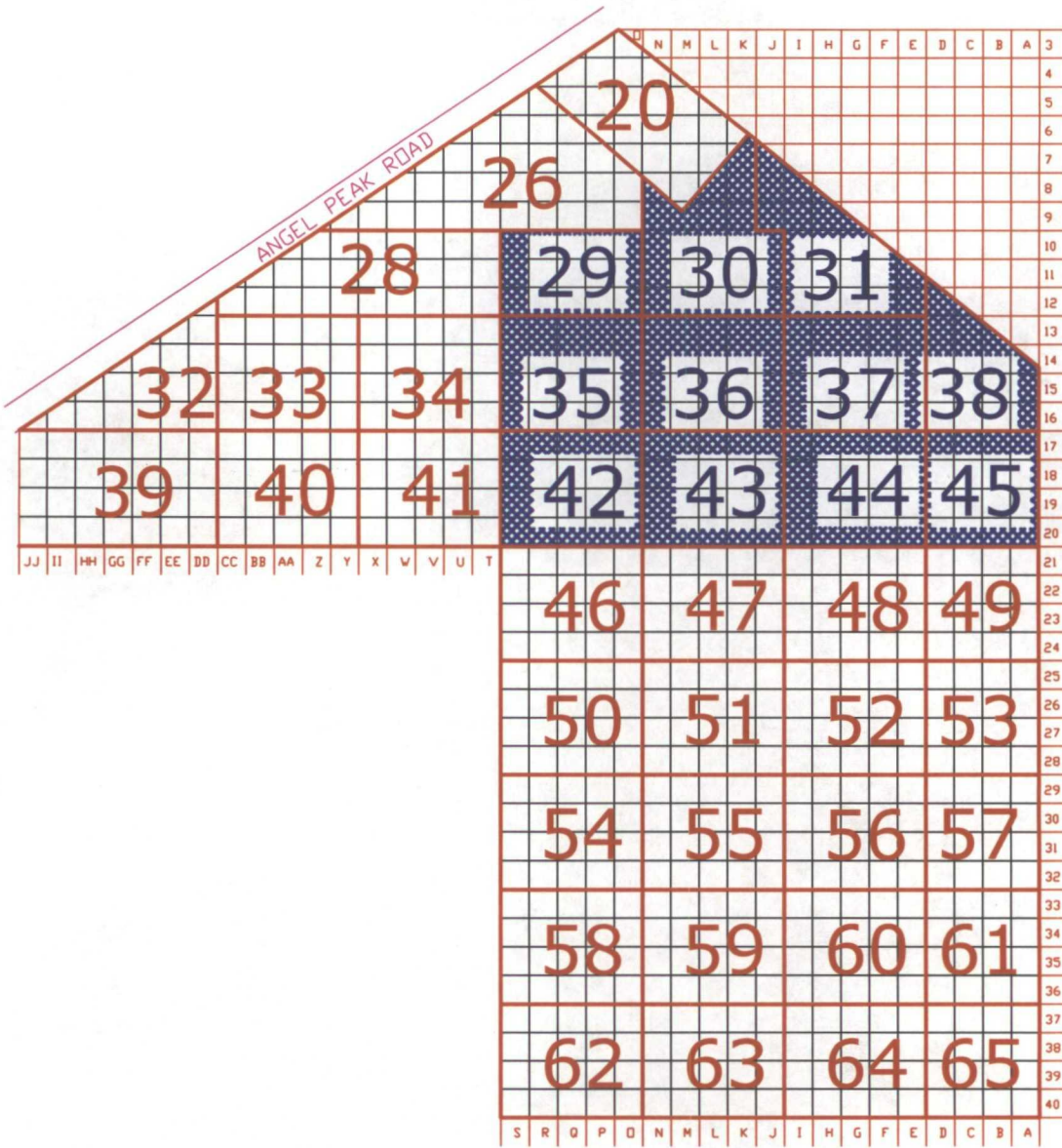
Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 is currently under limited space constraints. Therefore, Envirotech respectfully requests expedition of this matter, in order that our Land Farm #2 may continue to serve the Four Corners region without interruption.

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


April E. Pohl
Land Farm Administrator
apohl@envirotech-inc.com


Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com



ENVIROTECH
NMOCD PERMITTED
LANDFARM # 2
UNIT 5

SCALE: 1=100'

PROJECT NO.

FIGURE NO.

REV
1

REVISIONS

| | | | |
|----------|---------|---------|--------------|
| | | | |
| | 3-11-10 | JMK | CLOSED CELLS |
| NO. | DATE | BY | DESCRIPTION |
| MAP DRWN | JMK | 12-7-09 | BASE DRWN |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

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

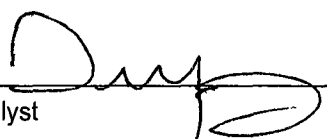
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 31 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53182 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8764 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

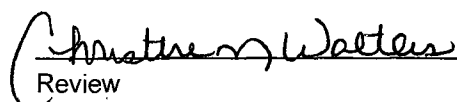
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review

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

Client: Envirotech
Sample ID: 29
Laboratory Number: 53183
Chain of Custody No: 8764
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

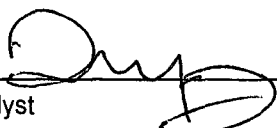
Project #:
Date Reported: 02-23-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Extracted: 02-19-10
Date Analyzed: 02-22-10
Analysis Requested: 8015 TPH

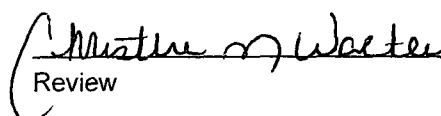
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review



envirotech
Analytical Laboratory

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

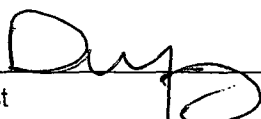
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 35 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53184 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8764 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

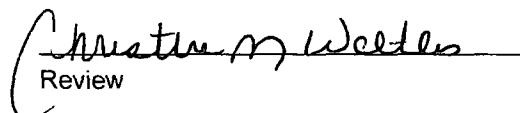
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review



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

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 30 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53185 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8764 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review

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

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 43 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53186 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8764 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review

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

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 02-22-10 QA/QC | Date Reported: | 02-23-10 |
| Laboratory Number: | 53182 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 02-22-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.2263E+002 | 9.2300E+002 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.6742E+002 | 9.6781E+002 | 0.04% | 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% |

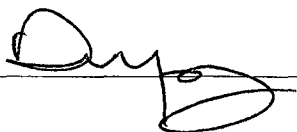
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 241 | 96.4% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 262 | 105% | 75 - 125% |

ND - Parameter not detected at the stated detection limit.

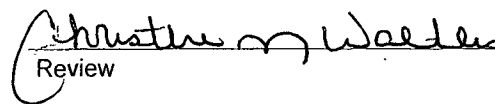
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 53182 - 53191.

Analyst



Review



| | | | |
|--------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 31 | Date Reported: | 02-22-10 |
| Laboratory Number: | 53182 | Date Sampled: | 02-18-10 |
| Chain of Custody: | 8764 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Analyzed: | 02-22-10 |
| Preservative: | Cool | Date Extracted: | 02-19-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 94.0 % |
| | 1,4-difluorobenzene | 99.0 % |
| | Bromochlorobenzene | 98.0 % |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Landfarm 2 Unit 5 Closures

Analyst

Review

Client: Envirotech
Sample ID: 29
Laboratory Number: 53183
Chain of Custody: 8764
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 91.0 % |
| | 1,4-difluorobenzene | 96.0 % |
| | Bromochlorobenzene | 92.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review

Client: Envirotech
Sample ID: 35
Laboratory Number: 53184
Chain of Custody: 8764
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 93.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 96.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client: Envirotech
Sample ID: 30
Laboratory Number: 53185
Chain of Custody: 8764
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 93.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 96.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review

Client: Envirotech
Sample ID: 43
Laboratory Number: 53186
Chain of Custody: 8764
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 91.0 % |
| | 1,4-difluorobenzene | 96.0 % |
| | Bromochlorobenzene | 92.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst: 


Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 02-22-BT QA/QC | Date Reported: | 02-23-10 |
| Laboratory Number: | 53182 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 02-22-10 |
| Condition: | N/A | Analysis: | BTEX |

| Calibration and Detection Limits (ug/L) | E-Cal RF | C-Cal RF | %Diff | Blank Conc | Detect Limit |
|--|-------------|----------------------|-------|---------------|-----------------|
| | | Accept Range 0 - 15% | | | |
| Benzene | 1.0907E+006 | 1.0929E+006 | 0.2% | ND | 0.1 |
| Toluene | 9.9667E+005 | 9.9866E+005 | 0.2% | ND | 0.1 |
| Ethylbenzene | 8.9937E+005 | 9.0117E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.2367E+006 | 2.2412E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 8.4808E+005 | 8.4978E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 49.7 | 99.4% | 39 - 150 |
| Toluene | ND | 50.0 | 47.9 | 95.8% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 48.2 | 96.4% | 32 - 160 |
| p,m-Xylene | ND | 100 | 97.9 | 97.9% | 46 - 148 |
| o-Xylene | ND | 50.0 | 47.5 | 95.0% | 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 53182 - 53191.

Analyst

Review



Client: Envirotech
Sample ID: 31
Lab ID#: 53182
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-24-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-24-10
Chain of Custody: 8764

Parameter

Concentration (mg/Kg)

Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 29 | Date Reported: | 02-24-10 |
| Lab ID#: | 53183 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8764 |

Parameter

Concentration (mg/Kg)

Total Chloride

55

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review

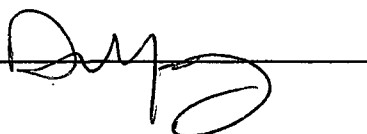
| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 35 | Date Reported: | 02-24-10 |
| Lab ID#: | 53184 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8764 |

Parameter**Concentration (mg/Kg)****Total Chloride****45**

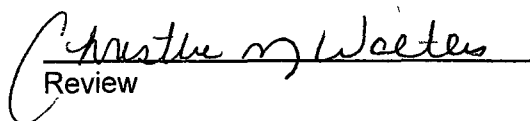
Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst



Review





| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 30 | Date Reported: | 02-24-10 |
| Lab ID#: | 53185 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8764 |

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

Total Chloride

15

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 43 | Date Reported: | 02-24-10 |
| Lab ID#: | 53186 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8764 |

Parameter

Concentration (mg/Kg)

Total Chloride

15

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review

8764

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

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 44 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53187 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

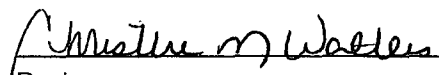
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review



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

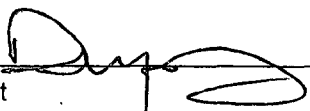
| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 45 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53188 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

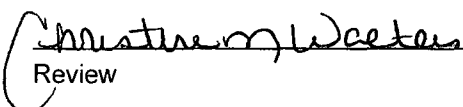
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | 0.2 |

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: **Landfarm 2 Unit 5 Closures**


Analyst


Review



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

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 42 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53189 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 38 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53190 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review



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

| | | | |
|----------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 37 | Date Reported: | 02-23-10 |
| Laboratory Number: | 53191 | Date Sampled: | 02-18-10 |
| Chain of Custody No: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Extracted: | 02-19-10 |
| Preservative: | Cool | Date Analyzed: | 02-22-10 |
| Condition: | 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: **Landfarm 2 Unit 5 Closures**

Analyst

Review

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

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 02-22-10 QA/QC | Date Reported: | 02-23-10 |
| Laboratory Number: | 53182 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 02-22-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.2263E+002 | 9.2300E+002 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.6742E+002 | 9.6781E+002 | 0.04% | 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 |

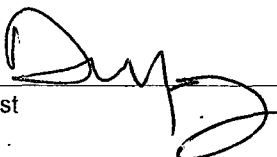
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |

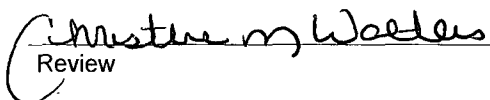
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | ND | 250 | 241 | 96.4% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 262 | 105% | 75 - 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 53182 - 53191.**

Analyst 

Review 



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**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client: Envirotech
Sample ID: 44
Laboratory Number: 53187
Chain of Custody: 8765
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 93.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 96.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review



Client: Envirotech
Sample ID: 45
Laboratory Number: 53188
Chain of Custody: 8765
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 92.0 % |
| | 1,4-difluorobenzene | 97.0 % |
| | Bromochlorobenzene | 94.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review

Client: Envirotech
 Sample ID: 42
 Laboratory Number: 53189
 Chain of Custody: 8765
 Sample Matrix: Soil
 Preservative: Cool
 Condition: Intact

Project #:
 Date Reported: 02-22-10
 Date Sampled: 02-18-10
 Date Received: 02-18-10
 Date Analyzed: 02-22-10
 Date Extracted: 02-19-10
 Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 93.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 96.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Envirotech
Sample ID: 38
Laboratory Number: 53190
Chain of Custody: 8765
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 02-22-10
Date Sampled: 02-18-10
Date Received: 02-18-10
Date Analyzed: 02-22-10
Date Extracted: 02-19-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 92.0 % |
| | 1,4-difluorobenzene | 97.0 % |
| | Bromochlorobenzene | 94.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review



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**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|------------|---------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 37 | Date Reported: | 02-22-10 |
| Laboratory Number: | 53191 | Date Sampled: | 02-18-10 |
| Chain of Custody: | 8765 | Date Received: | 02-18-10 |
| Sample Matrix: | Soil | Date Analyzed: | 02-22-10 |
| Preservative: | Cool | Date Extracted: | 02-19-10 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 92.0 % |
| | 1,4-difluorobenzene | 97.0 % |
| | Bromochlorobenzene | 94.0 % |

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: Landfarm 2 Unit 5 Closures

Analyst

Review



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 02-22-BT QA/QC | Date Reported: | 02-23-10 |
| Laboratory Number: | 53182 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 02-22-10 |
| 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 0907E+006 | 1 0929E+006 | 0.2% | ND | 0.1 |
| Toluene | 9 9667E+005 | 9.9866E+005 | 0.2% | ND | 0.1 |
| Ethylbenzene | 8 9937E+005 | 9.0117E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2 2367E+006 | 2 2412E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 8 4808E+005 | 8 4978E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 49.7 | 99.4% | 39 - 150 |
| Toluene | ND | 50.0 | 47.9 | 95.8% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 48.2 | 96.4% | 32 - 160 |
| p,m-Xylene | ND | 100 | 97.9 | 97.9% | 46 - 148 |
| o-Xylene | ND | 50.0 | 47.5 | 95.0% | 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 53182 - 53191.

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 44 | Date Reported: | 02-24-10 |
| Lab ID#: | 53187 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8765 |

Parameter

Concentration (mg/Kg)

Total Chloride

30

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 45 | Date Reported: | 02-24-10 |
| Lab ID#: | 53188 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8765 |

Parameter

Concentration (mg/Kg)

Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. -
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 42 | Date Reported: | 02-24-10 |
| Lab ID#: | 53189 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8765 |

Parameter

Concentration (mg/Kg)

Total Chloride

20

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 38 | Date Reported: | 02-24-10 |
| Lab ID#: | 53190 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8765 |

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

Total Chloride

10

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 37 | Date Reported: | 02-24-10 |
| Lab ID#: | 53191 | Date Sampled: | 02-18-10 |
| Sample Matrix: | Soil | Date Received: | 02-18-10 |
| Preservative: | Cool | Date Analyzed: | 02-24-10 |
| Condition: | Intact | Chain of Custody: | 8765 |

Parameter

Concentration (mg/Kg)

Total Chloride

30

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

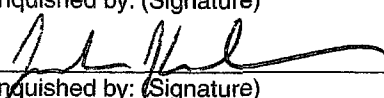
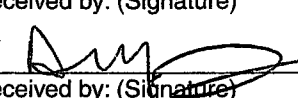
Comments: **Landfarm 2 Unit 5 Closures**

Analyst

Review

CHAIN OF CUSTODY RECORD

8765

| Client: Envirotech | | | Project Name / Location: Landfill 2 unit 5 closures | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | |
|---|-------------|-------------|---|----------------|--------------------------|---|---|---|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|---|--|---|-------------|---------------|
| Client Address: | | | Sampler Name: J Kirchner | | | | | | | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: 1-02-60002 | | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl C | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact |
| 44 | 2-18-10 | 1200 | 53187 | Sludge Aqueous | 462 | | | C | ✓ | ✓ | | | | | | | | | ✓ | | | X | X |
| 45 | 2-18-10 | 1205 | 53188 | Sludge Aqueous | | | | L | ✓ | ✓ | | | | | | | | ✓ | | | X | X | |
| 42 | 2-18-10 | 1130 | 53189 | Sludge Aqueous | | | | | ✓ | ✓ | | | | | | | | ✓ | | | X | ✓ | |
| 38 | 2-18-10 | 1115 | 53190 | Sludge Aqueous | | | | | ✓ | ✓ | | | | | | | | ✓ | | | X | X | |
| 37 | 2-18-10 | 1100 | 53191 | Sludge Aqueous | | | | | ✓ | ✓ | | | | | | | | ✓ | | | X | X | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Date | Time | Received by: (Signature) | | | | | | | | | | Date | Time | | | | | |
|  | | | | | 2-18-10 | 13:00 |  | | | | | | | | | | 2-18-10 | 1300 | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | |



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

Client: Envirotech
Sample ID: 36
Laboratory Number: 53293
Chain of Custody No: 8833
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 03-10-10
Date Sampled: 02-25-10
Date Received: 03-08-10
Date Extracted: 03-08-10
Date Analyzed: 03-09-10
Analysis Requested: 8015 TPH

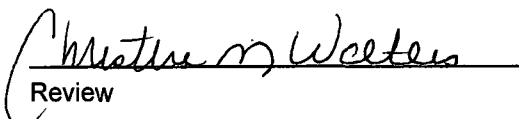
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 59.5 | 0.1 |
| Total Petroleum Hydrocarbons | 59.5 | 0.2 |

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: **Landfarm 2 Unit 5
5 pt Comp Closure Sample**


Analyst


Review



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EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 03-09-10 QA/QC | Date Reported: | 03-10-10 |
| Laboratory Number: | 53289 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 03-09-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept Range |
|-------------------------|------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07-07 | 8.3534E+002 | 8.3567E+002 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 8.7194E+002 | 8.7229E+002 | 0.04% | 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 | 7.3 | 8.4 | 15.1% | 0 - 30% |
| Diesel Range C10 - C28 | 118 | 123 | 3.6% | 0 - 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | 7.3 | 250 | 244 | 94.9% | 75 - 125% |
| Diesel Range C10 - C28 | 118 | 250 | 346 | 94.0% | 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 53289 and 53293 - 53301

Analyst

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**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client: Envirotech
Sample ID: 36
Laboratory Number: 53293
Chain of Custody: 8833
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #:
Date Reported: 03-10-10
Date Sampled: 02-25-10
Date Received: 03-08-10
Date Analyzed: 03-09-10
Date Extracted: 03-08-10
Analysis Requested: BTEX

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 0.9 |
| Toluene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| p,m-Xylene | ND | 1.2 |
| o-Xylene | ND | 0.9 |
| Total BTEX | ND | |

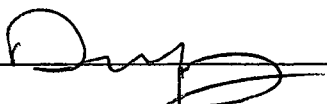
ND - Parameter not detected at the stated detection limit.

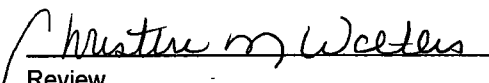
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 93.0 % |
| | 1,4-difluorobenzene | 99.5 % |
| | Bromochlorobenzene | 97.0 % |

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: **Landfarm 2 Unit 5
5 pt Comp Closure Sample**

Analyst 

Review 

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 03-09-BT QA/QC | Date Reported: | 03-10-10 |
| Laboratory Number: | 53289 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 03-09-10 |
| 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 | 1.0755E+006 | 1.0777E+006 | 0.2% | ND | 0.1 |
| Toluene | 9.8382E+005 | 9.8579E+005 | 0.2% | ND | 0.1 |
| Ethylbenzene | 8.8806E+005 | 8.8984E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.2002E+006 | 2.2047E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 8.2736E+005 | 8.2901E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | 9.5 | 9.3 | 2.1% | 0 - 30% | 0.9 |
| Toluene | 38.6 | 38.0 | 1.6% | 0 - 30% | 1.0 |
| Ethylbenzene | 12.5 | 11.4 | 8.8% | 0 - 30% | 1.0 |
| p,m-Xylene | 65.8 | 64.0 | 2.7% | 0 - 30% | 1.2 |
| o-Xylene | 32.5 | 31.9 | 1.8% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | 9.5 | 50.0 | 58.1 | 97.6% | 39 - 150 |
| Toluene | 38.6 | 50.0 | 88.0 | 99.3% | 46 - 148 |
| Ethylbenzene | 12.5 | 50.0 | 61.8 | 98.9% | 32 - 160 |
| p,m-Xylene | 65.8 | 100 | 165 | 99.4% | 46 - 148 |
| o-Xylene | 32.5 | 50.0 | 82.3 | 99.8% | 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 53289 and 53293 - 53301

Analyst

Review



| | | | |
|----------------|------------|-------------------|----------|
| Client: | Envirotech | Project #: | |
| Sample ID: | 36 | Date Reported: | 03-10-10 |
| Lab ID#: | 53293 | Date Sampled: | 02-25-10 |
| Sample Matrix: | Soil | Date Received: | 03-08-10 |
| Preservative: | Cool | Date Analyzed: | 03-09-10 |
| Condition: | Intact | Chain of Custody: | 8833 |

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

Total Chloride

2

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Landfarm 2 Unit 5**
5 pt Comp Closure Sample

Analyst

Review

CHAIN OF CUSTODY RECORD

8833

| Client: <i>Envirotech</i> | | | Project Name / Location: <i>Landfarm 2 Unit 5</i> | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | | | |
|--|-----------------|--------------|--|-----------------------|--------------------------|--|--|--|-------------------|-------------------------|-------------------|---------------|----------------|----------------------|---------------|-----|-------------|----------|---|--|--|-------------|---------------|----------|
| Client Address: | | | Sampler Name: <i>J. Kirchner</i> | | | | | | | | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: <i>N/A</i> | | | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl 100% | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact | |
| <i>36</i> | <i>02/25/10</i> | <i>10 00</i> | <i>53293</i> | <i>Soil Solid</i> | <i>1-402</i> | | | | ✓ | ✓ | ✓ | | | | | | | | ✓ | | | | <i>y</i> | <i>y</i> |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | Sludge Aqueous | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>[Signature]</i> | | | | Date <i>3/8/10</i> | Time <i>1520</i> | Received by: (Signature) <i>[Signature]</i> | | | | Date <i>03/08/10</i> | | | | Time <i>15:25</i> | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | |

*5pt Comp.
Closure Sample*



envirotech
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