

NM1-11

Two of Two

REPORTS

YEAR(S):

1999

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW.

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

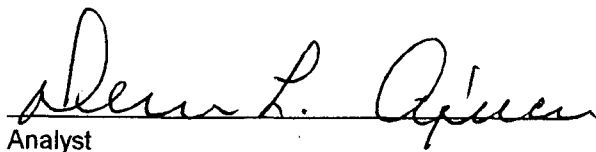
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

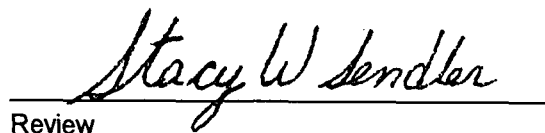
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	11.0	10.8	8.4	1.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	18.1	17.9	10.8	0.8%
o-Xylene	10.9	10.8	5.2	1.0%

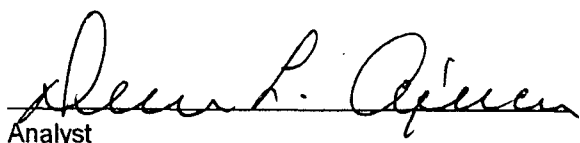
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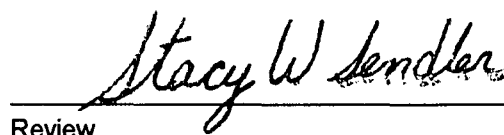
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

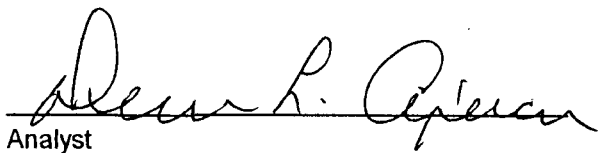
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	11.0	50.0	59.6	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.6	7.6	98%	32-160
p,m-Xylene	18.1	100	115	10.8	97%	46-148
o-Xylene	10.9	50.0	60.0	5.2	99%	46-148

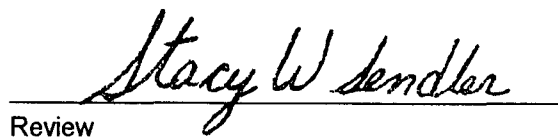
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

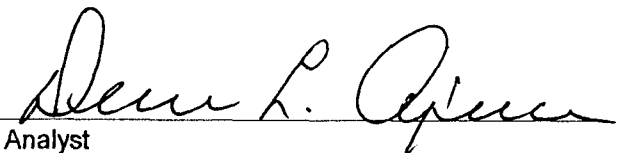
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

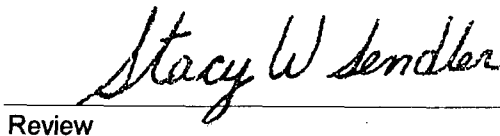
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

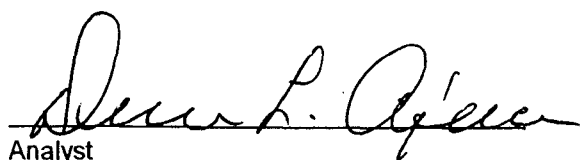
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	2.1	2.1	0.0%
Diesel Range (C10 - C28)	132	128	2.5%
Total Petroleum Hydrocarbons	134	130	2.5%

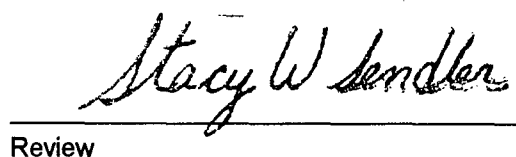
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

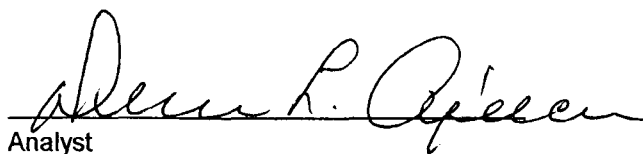
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	2.1	250	251	0.2	100%
Diesel Range (C10 - C28)	132	250	379	0.1	99%
Total Petroleum Hydrocarbons	134	500	630	0.2	100%

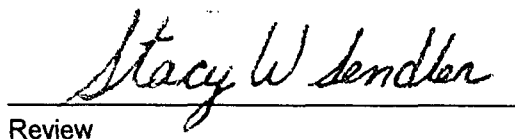
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QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Envirotech			Project Location Landburn 2 Unit 4			ANALYSIS/PARAMETERS					
Sampler (Signature) <i>Phu Tuan Do</i>			Chain of Custody Tape No. 91020-04			Remarks <i>Closure Samples 5 pt. Composite</i>					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						
<i>Cell E-8</i>	<i>9-29-97</i>	<i>14:10</i>	<i>C182</i>	<i>Soil</i>	<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell F-8</i>		<i>13:30</i>	<i>C183</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell F-9</i>		<i>14:30</i>	<i>C184</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell G-8</i>		<i>13:50</i>	<i>C185</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell G-8</i>		<i>13:30</i>	<i>C186</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell H-7</i>		<i>13:40</i>	<i>C187</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell T-7</i>		<i>14:40</i>	<i>C188</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
<i>Cell N-1</i>	<i>T</i>	<i>14:50</i>	<i>C189</i>		<i>1</i>	<i>✓</i>	<i>✓</i>				
All Samples received and analyzed <i>✓</i>											
Relinquished by: (Signature) <i>Phu Tuan Do</i>			Date <i>9-29-97</i>			Time <i>15:50</i>			Received by: (Signature) <i>Alan L. O'Brien</i>		
Relinquished by: (Signature)			Date			Time			Received by: (Signature)		
Relinquished by: (Signature)			Date			Time			Received by: (Signature)		

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

ENVIROTECH INC.

PRactical SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

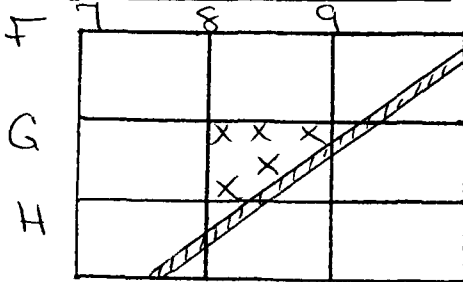
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
SPNG	8-25-95	Ticville #4E	meta 74554 Separator on Deck #1	70

Sampling Documentation:



Landfarm # 2 unit 4 Cell(s): G-8

Sample Date: 9-29-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell G-8	Pass	2.0088	0.12	3.1

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...Narica/Form/ooddms

Montgomery J. Kelly

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 8	Date Reported:	10-02-97
Laboratory Number:	C186	Date Sampled:	09-29-97
Chain of Custody:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	11.8	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	56.8	10.8
o-Xylene	51.3	5.2
Total BTEX	120	

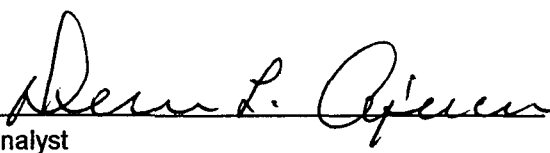
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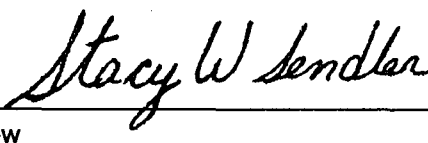
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

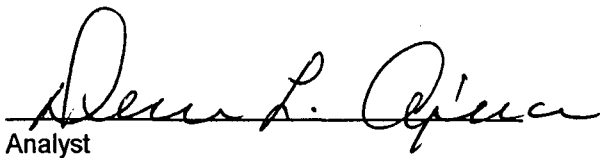
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 8	Date Reported:	10-02-97
Laboratory Number:	C186	Date Sampled:	09-29-97
Chain of Custody No:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	09-30-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

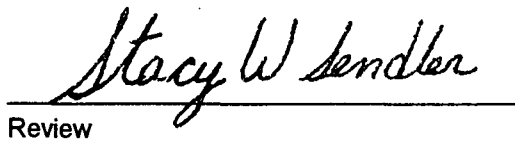
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.1	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.1	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

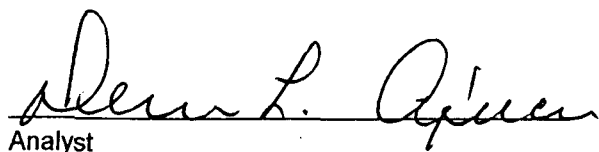
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

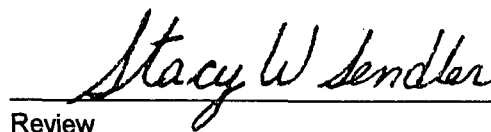
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	11.0	10.8	8.4	1.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	18.1	17.9	10.8	0.8%
o-Xylene	10.9	10.8	5.2	1.0%

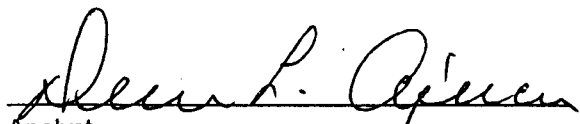
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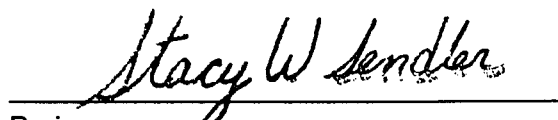
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

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

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Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: C182
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 10-02-97
Date Sampled: N/A
Date Received: N/A
Date Extracted: 09-30-97
Date Analyzed: 10-01-97

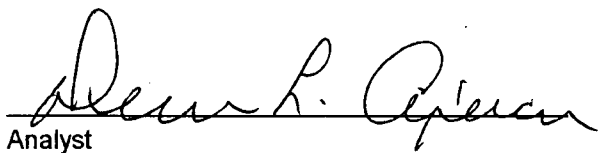
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	11.0	50.0	59.6	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.6	7.6	98%	32-160
p,m-Xylene	18.1	100	115	10.8	97%	46-148
o-Xylene	10.9	50.0	60.0	5.2	99%	46-148

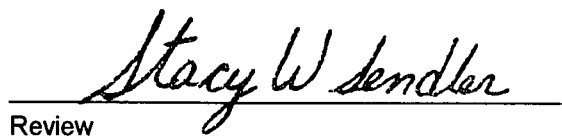
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

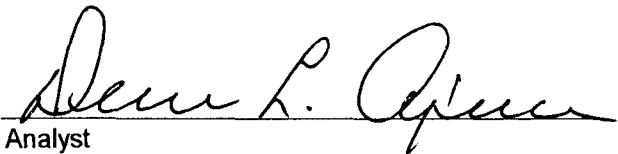
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

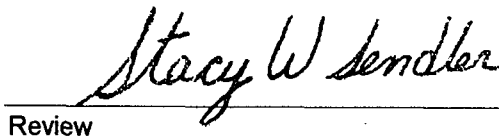
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

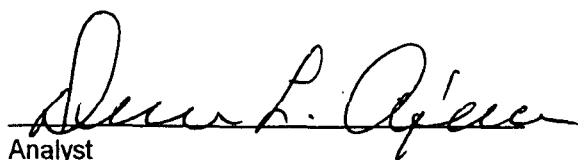
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	2.1	2.1	0.0%
Diesel Range (C10 - C28)	132	128	2.5%
Total Petroleum Hydrocarbons	134	130	2.5%

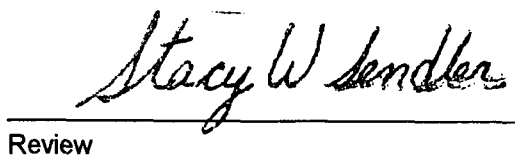
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

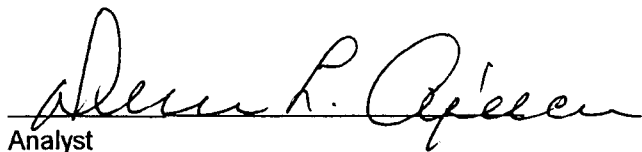
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	2.1	250	251	0.2	100%
Diesel Range (C10 - C28)	132	250	379	0.1	99%
Total Petroleum Hydrocarbons	134	500	630	0.2	100%

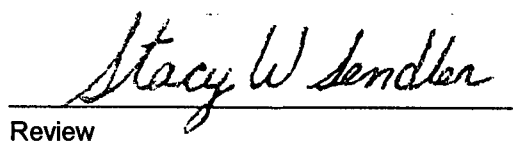
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

4

5499

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		Chain of Custody Tape No.		ANALYSIS/PARAMETERS							
Sampler: (Signature)		Sample Date		Sample Time		Lab Number		Sample Matrix		No. of Containers		Remarks	
Envirotech		Landburn 2 Unit 4		91020-04									
Munten Dates													
Cell E-8	9-29-97	14:10	C182	Soil	1	✓	✓					Closure Samples 5 pt. Composite	
Cell F-8		13:30	C183		1	✓	✓						
Cell F-9		14:30	C184		1	✓	✓						
Cell G-8		13:50	C185		1	✓	✓						
Cell G-8		13:30	C186		1	✓	✓						
Cell H-7		13:40	C187		1	✓	✓						
Cell I-7		14:40	C188		1	✓	✓						
Cell N-1		14:50	C189		1	✓	✓						
All samples received cool & intact													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
Munten		9-29-97		15:50		Allen L. O'Brien		9-29-97		15:50			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
Munten		9-29-97		15:50		Allen L. O'Brien		9-29-97		15:50			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 682-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-31-97
RECEIVED
FEB - 4 1998
OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
Aica Pipeline 92125	1-26-90 2-2-96			249

Sampling Documentation:

G
H
I

6	7	8
	X	X
	X	X
	X	X

Landfarm # 2 unit 4 Cell(s): H-7
Sample Date: 9-29-97 Sampler: CMW
Type: 5 Point Composite Analysis: BTEX,TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell H-7	Pass	<.0088	0.0117	<0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...\\aries\form\oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell H - 7	Date Reported:	10-02-97
Laboratory Number:	C187	Date Sampled:	09-29-97
Chain of Custody:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	11.7	5.2
Total BTEX	11.7	

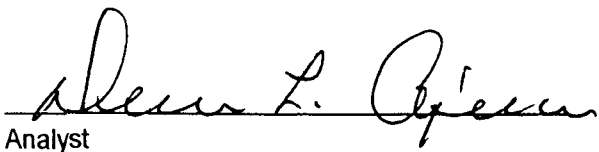
ND - Parameter not detected at the stated detection limit.

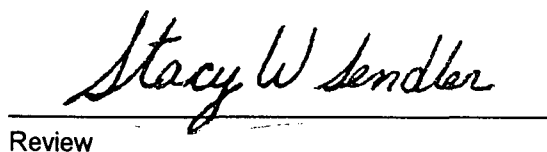
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

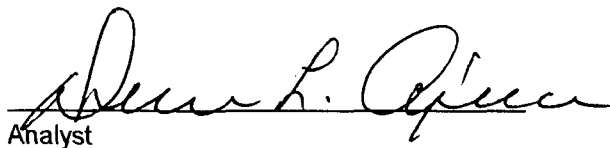
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell H - 7	Date Reported:	10-02-97
Laboratory Number:	C187	Date Sampled:	09-29-97
Chain of Custody No:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	09-30-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

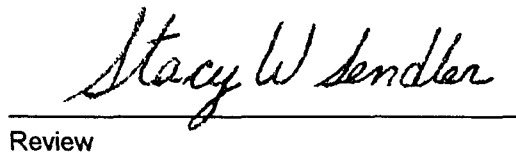
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

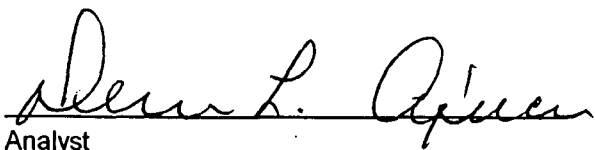
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

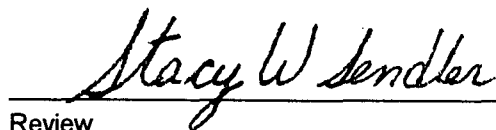
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	11.0	10.8	8.4	1.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	18.1	17.9	10.8	0.8%
o-Xylene	10.9	10.8	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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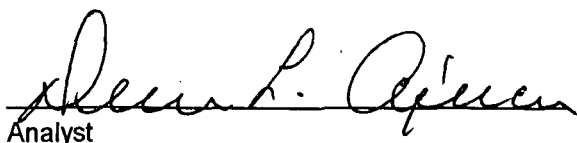
8020 Compounds

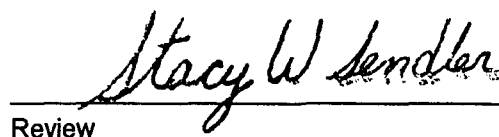
30 %

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

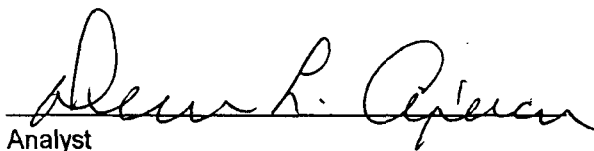
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	11.0	50.0	59.6	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.6	7.6	98%	32-160
p,m-Xylene	18.1	100	115	10.8	97%	46-148
o-Xylene	10.9	50.0	60.0	5.2	99%	46-148

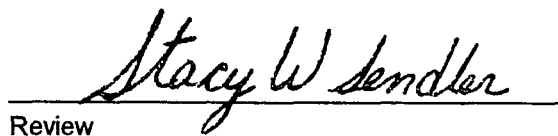
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

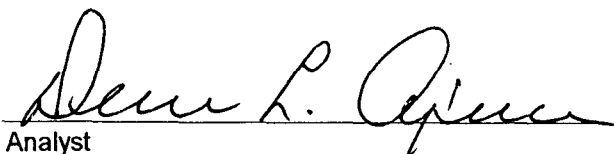
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

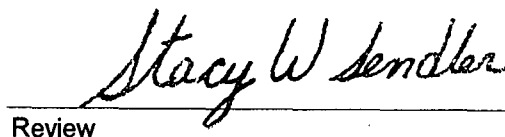
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

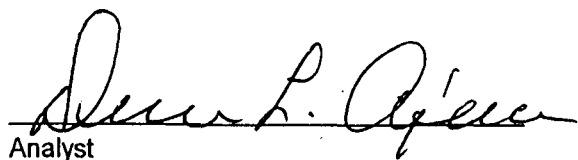
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	2.1	2.1	0.0%
Diesel Range (C10 - C28)	132	128	2.5%
Total Petroleum Hydrocarbons	134	130	2.5%

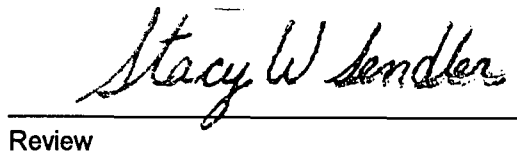
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

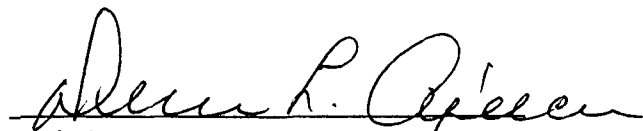
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	2.1	250	251	0.2	100%
Diesel Range (C10 - C28)	132	250	379	0.1	99%
Total Petroleum Hydrocarbons	134	500	630	0.2	100%

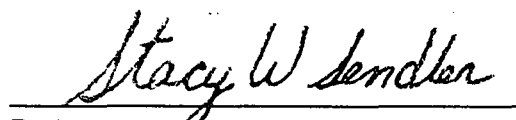
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS					
Sampler: (Signature)			Chain of Custody Tape No.		Remarks					
Envirotech			Landburn 2 Unit 4		Closure Samples 5 pt. Composite					
Munton Dutton			91020-04							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Bter	8015			
Cell E-8	9-29-97	14:10	C182	Soil	1	✓	✓			
Cell F-8		13:30	C183		1	✓	✓			
Cell F-9		14:30	C184		1	✓	✓			
Cell G-8		13:50	C185		1	✓	✓			
Cell G-8		13:30	C186		1	✓	✓			
Cell H-7		13:40	C187		1	✓	✓			
Cell T-7		14:40	C188		1	✓	✓			
Cell N-1		14:50	C189		1	✓	✓			
All Samples received cool & intact										
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	
Munton Dutton			9-29-97	15:50	Allen L. O'Brien			9-29-97	15:50	
Relinquished by: (Signature)					Received by: (Signature)					
Relinquished by: (Signature)					Received by: (Signature)					

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRactical SOLUTIONS FOR A BETTER TOMORROW.

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG 04047	9-22-95	Ticnilla Well 30 #7	meter 90089 Separator on Deck 2 ft	18
"	"	" CNT 146 #3	meter 94274	18
"	9-22-95	" CNT 146 #11	meter 02322	180
"	9-25-95	" CNT 148-18	meter 95923	72

Sampling Documentation:

	2	3	4
F			
G		X	X
H		X	X

Landfarm # 2 unit 4 Cell(s): G-3

Sample Date: 8-19-97 Sampler: CMW

Type: 5 Point Composite Analysis Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell G-3	Pass	<.0088	0.0622	1.1

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe _____
...Marlan\Form\oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 3	Date Reported:	08-21-97
Laboratory Number:	B874	Date Sampled:	08-19-97
Chain of Custody:	5356	Date Received:	08-19-97
Sample Matrix:	Soil	Date Analyzed:	08-20-97
Preservative:	Cool	Date Extracted:	08-19-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	23.7	10.8
o-Xylene	38.5	5.2
Total BTEX	62.2	

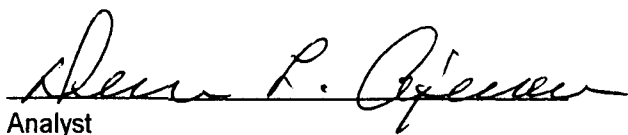
ND - Parameter not detected at the stated detection limit.

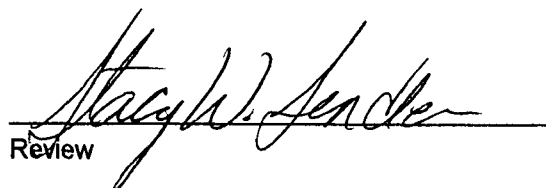
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

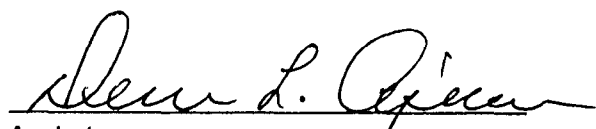
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 3	Date Reported:	08-21-97
Laboratory Number:	B874	Date Sampled:	08-19-97
Chain of Custody No:	5356	Date Received:	08-19-97
Sample Matrix:	Soil	Date Extracted:	08-19-97
Preservative:	Cool	Date Analyzed:	08-20-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

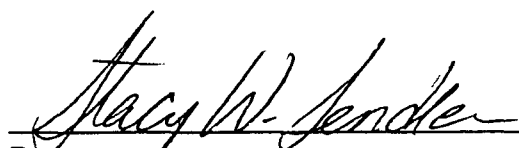
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.1	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.1	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-21-97
Laboratory Number:	08-20-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-20-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

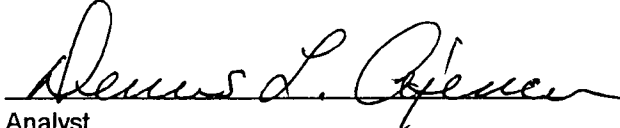
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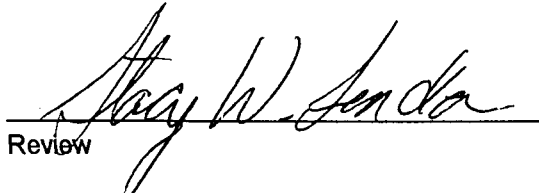
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-21-97
Laboratory Number:	B868	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-20-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	9.0	8.9	8.4	1.0%
Ethylbenzene	8.3	8.2	7.6	1.0%
p,m-Xylene	22.1	22.0	10.8	0.8%
o-Xylene	14.3	14.2	5.2	1.0%

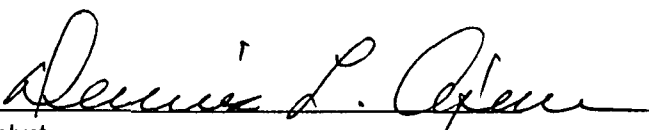
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: B868
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 08-21-97
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-19-97
Date Analyzed: 08-20-97

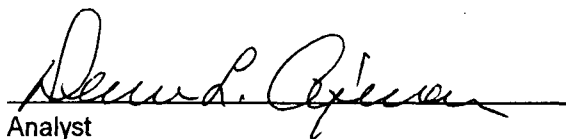
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	47.3	8.8	95%	39-150
Toluene	9.0	50.0	56.6	8.4	96%	46-148
Ethylbenzene	8.3	50.0	56.3	7.6	97%	32-160
p,m-Xylene	22.1	100	117	10.8	96%	46-148
o-Xylene	14.3	50.0	61.5	5.2	96%	46-148

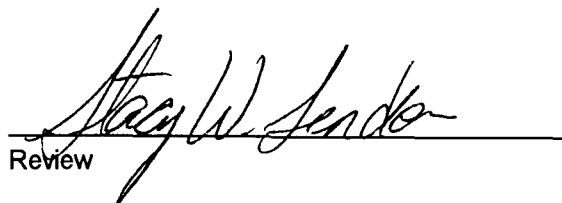
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

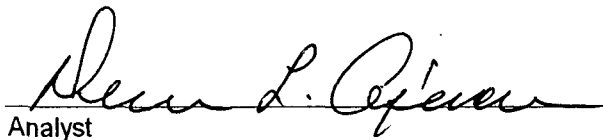
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-21-97
Laboratory Number:	08-20-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-20-97
Condition:	N/A	Analysis Requested:	TPH

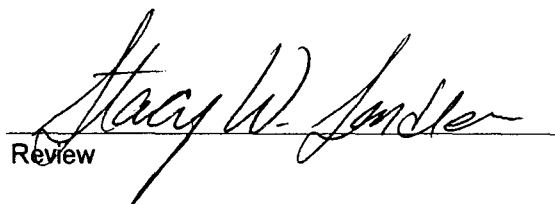
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-21-97
Laboratory Number:	B868	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-20-97
Condition:	Cool and Intact	Analysis Requested:	TPH

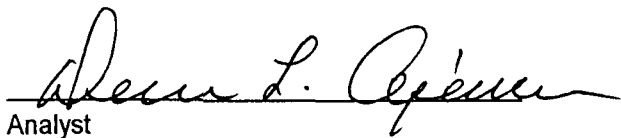
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	0.3	0.3	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	0.3	0.3	0.0%

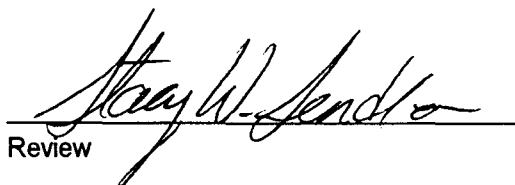
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-21-97
Laboratory Number:	B868	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-20-97
Condition:	N/A		

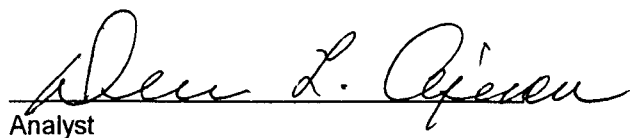
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	0.3	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	0.3	500	496	0.2	99%

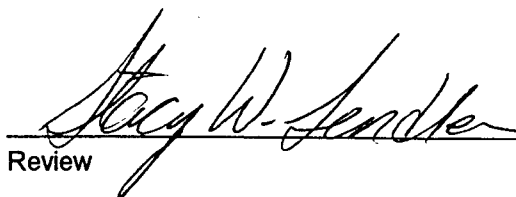
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QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B868 - B874.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSIS/PARAMETERS							
Sampler: (Signature)		Chain of Custody Tape No.						Remarks			
Envirotech		Longham 2 Unit 4									
Christine Webster		91020-04						Closure Sample Spt. Composite			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						
Cell A-3	8-19-97	09:45	B868	Soil	1	✓	✓				
Cell B-3		09:50	B869		1	✓	✓				
Cell C-3		10:15	B870		1	✓	✓				
Cell D-3		10:20	B871		1	✓	✓				
Cell E-3		10:50	B872		1	✓	✓				
Cell F-3		11:05	B873		1	✓	✓				
Cell G-3		11:10	B874		1	✓	✓				
All samples received cool & intact											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time	
Christine Webster		8-19-97		13:10		Dean S. Cressen		8-19-97		13:10	
Relinquished by: (Signature)						Received by: (Signature)					
Relinquished by: (Signature)						Received by: (Signature)					

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-31-97
RECEIVED
FEB - 4 1998
OIL CON. DIV.
DIST. 3

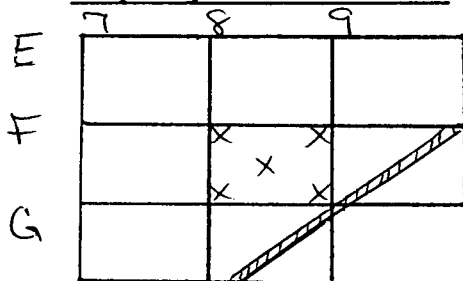
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
SPNG 04047	8-29-95	PC Ticaille C-17	meter 72782 Separate oil p.t.	74
" "	" "	" 10 PC	meter 89201	36

Sampling Documentation:



Landfarm # 2 Unit 4 Cell(s): F-8
Sample Date: 9-29-97 Sampler: CMW
Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell F-8	Pass	2.0088	0.144	40.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *Montezuma* _____
...Marlan\Form\oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 8	Date Reported:	10-02-97
Laboratory Number:	C183	Date Sampled:	09-29-97
Chain of Custody:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	16.0	8.4
Ethylbenzene	26.8	7.6
p,m-Xylene	50.2	10.8
o-Xylene	50.7	5.2
Total BTEX	144	

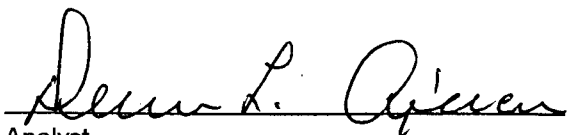
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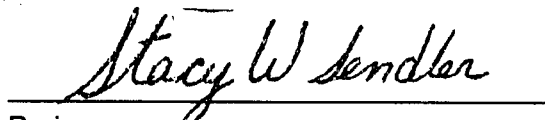
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

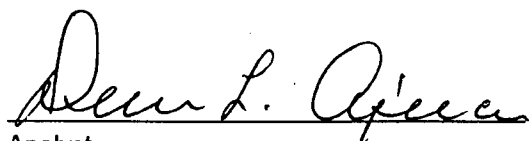
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 8	Date Reported:	10-02-97
Laboratory Number:	C183	Date Sampled:	09-29-97
Chain of Custody No:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	09-30-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

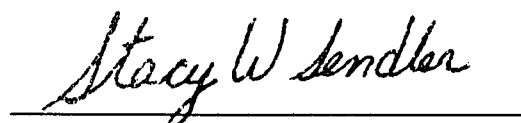
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

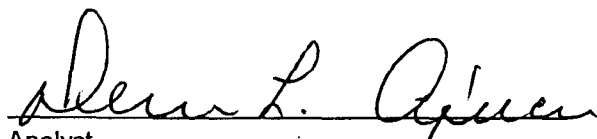
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

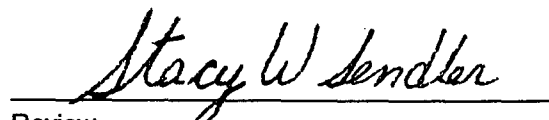
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	11.0	10.8	8.4	1.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	18.1	17.9	10.8	0.8%
o-Xylene	10.9	10.8	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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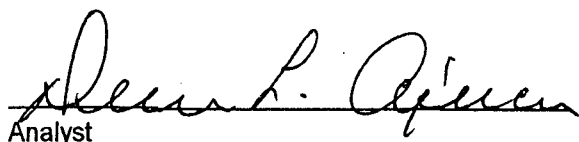
8020 Compounds

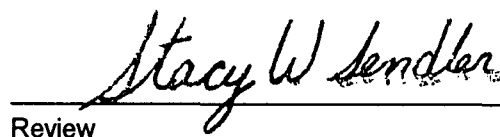
30 %

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

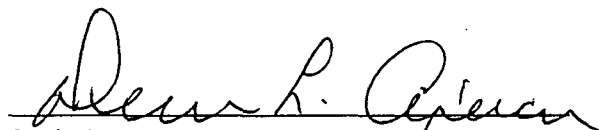
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	11.0	50.0	59.6	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.6	7.6	98%	32-160
p,m-Xylene	18.1	100	115	10.8	97%	46-148
o-Xylene	10.9	50.0	60.0	5.2	99%	46-148

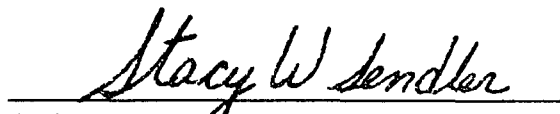
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

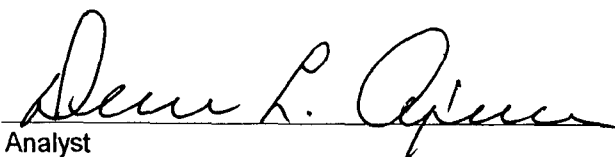
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

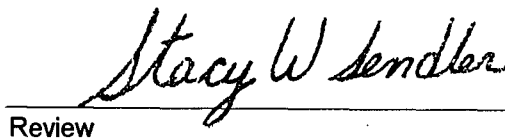
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

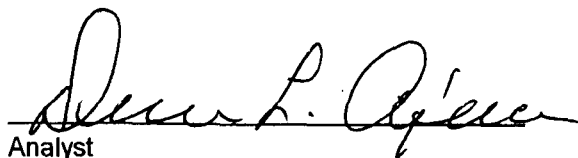
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	2.1	2.1	0.0%
Diesel Range (C10 - C28)	132	128	2.5%
Total Petroleum Hydrocarbons	134	130	2.5%

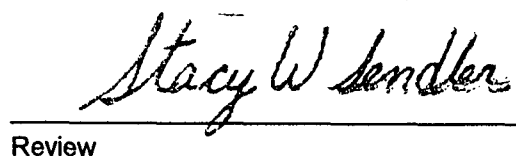
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

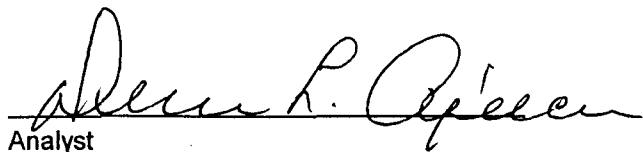
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	2.1	250	251	0.2	100%
Diesel Range (C10 - C28)	132	250	379	0.1	99%
Total Petroleum Hydrocarbons	134	500	630	0.2	100%

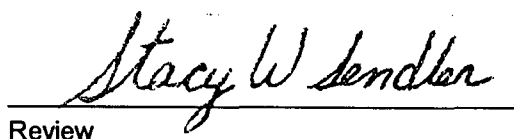
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS					
Sampler: (Signature)			Chain of Custody Tape No.							
Sample No./ Identification			Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks		
Huntington Beach			91020-04							
Cell E-8	9-29-97	14:10	C182	Soil	1	✓	✓			Closure Samples 5 pt. Composite
Cell F-8		13:30	C183		1	✓	✓			
Cell F-9		14:30	C184		1	✓	✓			
Cell G-8		13:50	C185		1	✓	✓			
Cell G-8		13:30	C186		1	✓	✓			
Cell H-7		13:40	C187		1	✓	✓			
Cell T-7		14:40	C188		1	✓	✓			
Cell N-1		14:50	C189		1	✓	✓			
All Samples returned cool in insulated box										
Relinquished by: (Signature)			Date	Time	Received By: (Signature)			Date		
Huntington Beach			9-29-97	15:50	Allen L. O'Brien			9-29-97 15:50		
Relinquished by: (Signature)			Date	Time	Received By: (Signature)			Date		
Relinquished by: (Signature)					Received By: (Signature)					

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-31-97
RECEIVED
FEB - 4 1998
OIL CON. DIV.
DIST. 3

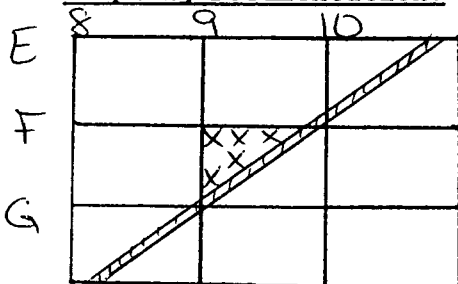
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG 04047	8-29-95	Ticnilla #4E	meter #4554 Separator & Dehy. Pit	90

Sampling Documentation:



Landfarm # 2 unit 4 Cell(s): F-9
Sample Date: 9-29-97 Sampler: CMW
Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell F-9	Pass	2.0088	0.141	2.6

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...:\Nac\sa\form\oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 9	Date Reported:	10-02-97
Laboratory Number:	C184	Date Sampled:	09-29-97
Chain of Custody:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	33.4	8.4
Ethylbenzene	17.8	7.6
p,m-Xylene	53.8	10.8
o-Xylene	35.7	5.2
Total BTEX	141	

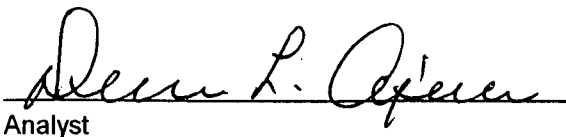
ND - Parameter not detected at the stated detection limit.

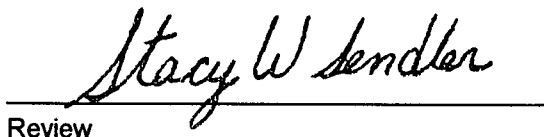
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

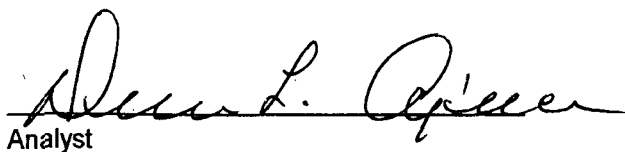
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 9	Date Reported:	10-02-97
Laboratory Number:	C184	Date Sampled:	09-29-97
Chain of Custody No:	5499	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	09-30-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

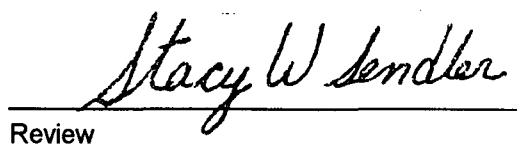
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.6	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.6	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

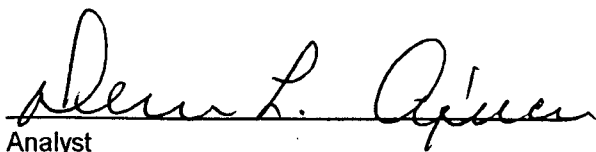
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

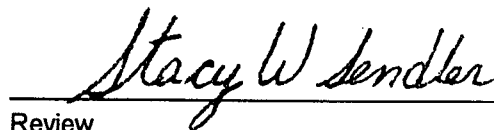
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	11.0	10.8	8.4	1.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	18.1	17.9	10.8	0.8%
o-Xylene	10.9	10.8	5.2	1.0%

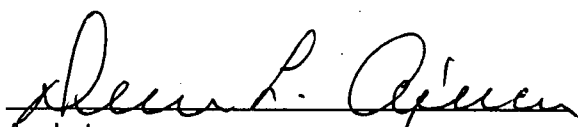
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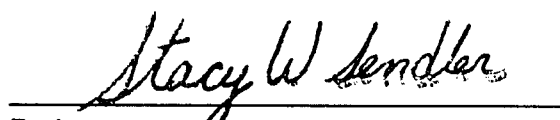
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-30-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

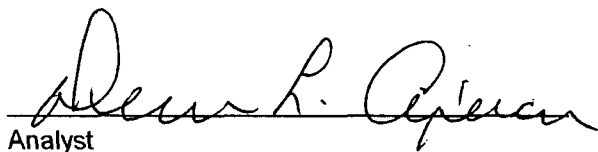
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	11.0	50.0	59.6	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.6	7.6	98%	32-160
p,m-Xylene	18.1	100	115	10.8	97%	46-148
o-Xylene	10.9	50.0	60.0	5.2	99%	46-148

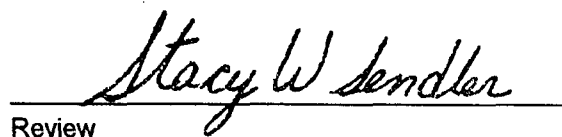
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

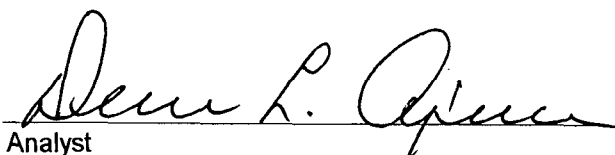
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

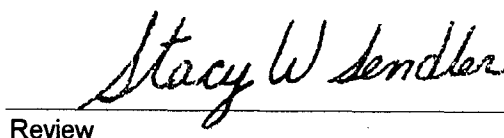
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

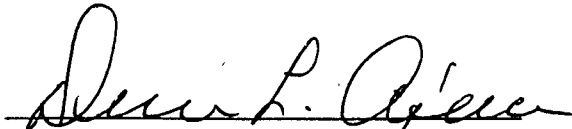
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	2.1	2.1	0.0%
Diesel Range (C10 - C28)	132	128	2.5%
Total Petroleum Hydrocarbons	134	130	2.5%

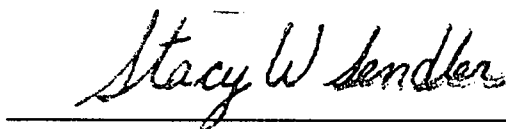
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Hydrocarbons
Total Petroleum Hydrocarbons
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C182	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	2.1	250	251	0.2	100%
Diesel Range (C10 - C28)	132	250	379	0.1	99%
Total Petroleum Hydrocarbons	134	500	630	0.2	100%

ND - Parameter not detected at the stated detection limit.

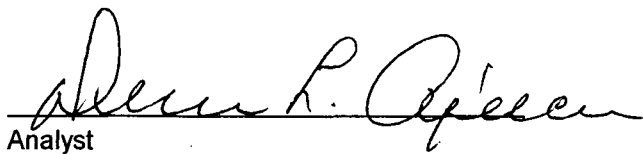
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
----------------------------	-----------	------------------

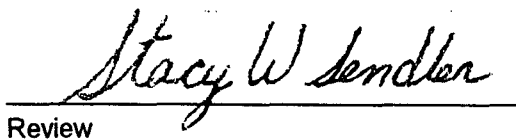
Petroleum Hydrocarbons

75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C182 - C189.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Envirotech			Project Location Landrum 2 Unit 4		ANALYSIS/PARAMETERS				
Sampler: (Signature) <i>Murphy Bates</i>			Chain of Custody Tape No. 91020-04		No. of Containers				
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	Bter		8015		Remarks <i>Closure Samples 5 pt. Composite</i>
<i>Cell E-8</i>	<i>9-29-97</i>	<i>14:10</i>	<i>C182</i>	<i>Soil</i>	<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell F-8</i>		<i>13:30</i>	<i>C183</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell F-9</i>		<i>14:30</i>	<i>C184</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell G-8</i>		<i>13:50</i>	<i>C185</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell G-8</i>		<i>13:30</i>	<i>C186</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell H-7</i>		<i>13:40</i>	<i>C187</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell T-7</i>		<i>14:40</i>	<i>C188</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>Cell N-1</i>		<i>14:50</i>	<i>C189</i>		<i>1</i>	<i>✓</i>	<i>✓</i>		
<i>All samples received cool & intact</i>									
Relinquished by: (Signature) <i>Murphy Bates</i>			Date <i>9-29-97</i>	Time <i>15:50</i>	Received By: (Signature) <i>Alan L. O'Brien</i>		Date <i>9-29-97</i>	Time <i>15:50</i>	
Relinquished by: (Signature)					Received by: (Signature)				
Relinquished by: (Signature)					Received by: (Signature)				

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

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-30-97

RECEIVED
FEB - 4 1998

OIL CON. DIV.

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
SPNG 04047	9-13-95	Lat Ticonderoga #46	Line Drive	126
" "	"	" N.E. Hayes #9-1	Separator on Ref Pit	144

Sampling Documentation:

	1	2	3
I			
J		X	X
K		X	X

Landfarm # 2 Unit 4 Cell(s): J-2

Sample Date: 8-13-97 Sampler: CMW

Type: 5 Point Composite Analysis Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell J-2	Pass	4.0088	0.0842	51.4

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *Matthew J. Kelly*
...:\Mar\lan\form\ooddms

Date 4/1/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 2	Date Reported:	08-19-97
Laboratory Number:	B831	Date Sampled:	08-13-97
Chain of Custody:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Analyzed:	08-18-97
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	11.9	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	34.7	10.8
o-Xylene	37.6	5.2
Total BTEX	84.2	

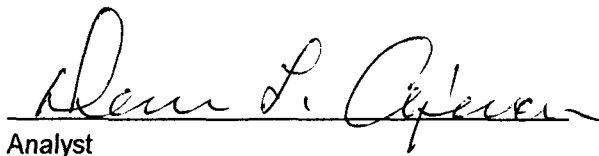
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

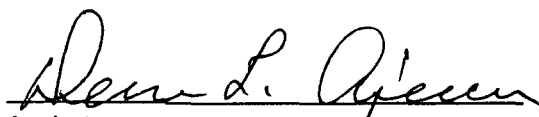
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 2	Date Reported:	08-19-97
Laboratory Number:	B831	Date Sampled:	08-13-97
Chain of Custody No:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Extracted:	08-15-97
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

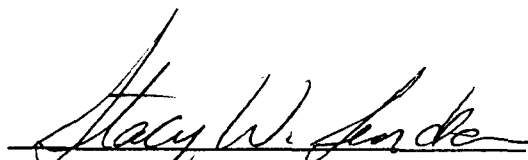
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	51.4	0.1
Total Petroleum Hydrocarbons	51.4	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

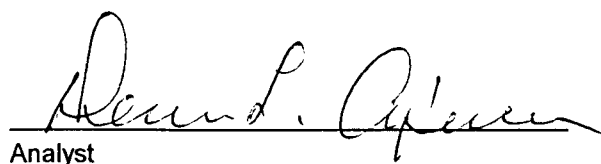
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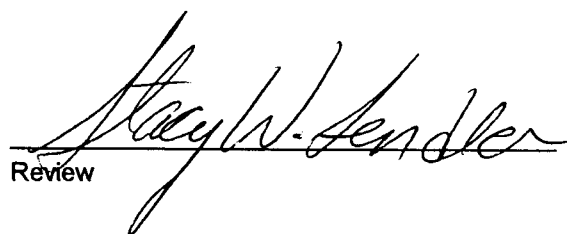
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	21.4	21.0	8.8	2.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	25.3	25.1	10.8	0.8%
o-Xylene	15.5	15.3	5.2	1.0%

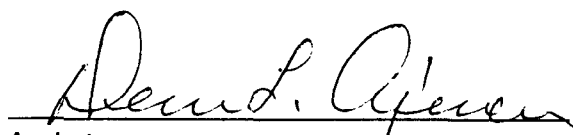
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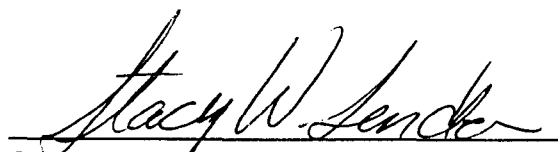
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool and Intact	Date Analyzed:	08-18-97

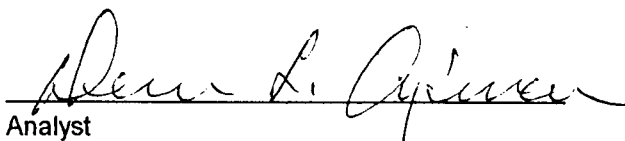
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	21.4	50.0	68.7	8.8	96%	39-150
Toluene	ND	50.0	47.6	8.4	95%	46-148
Ethylbenzene	ND	50.0	48.0	7.6	96%	32-160
p,m-Xylene	25.3	100	120	10.8	96%	46-148
o-Xylene	15.5	50.0	62.6	5.2	96%	46-148

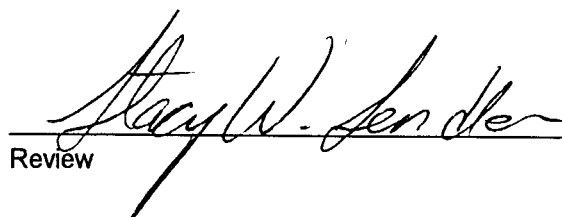
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

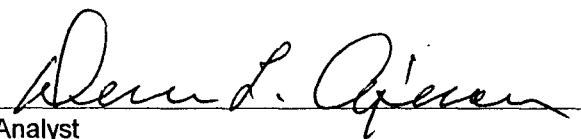
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	TPH

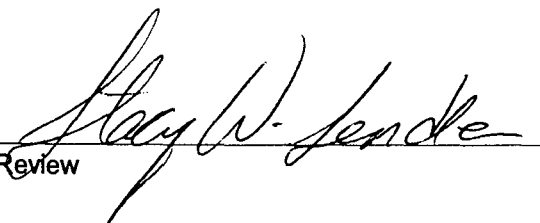
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	TPH

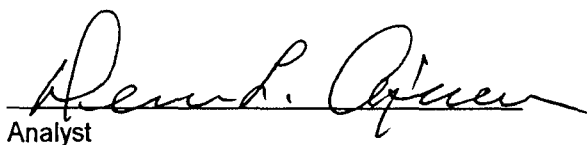
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

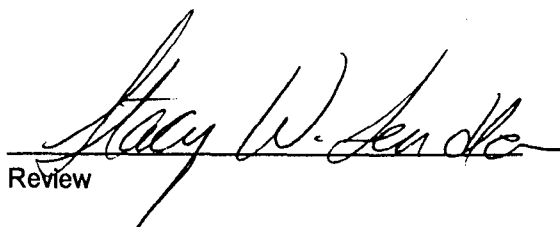
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-18-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	ND	500	496	0.2	99%

ND - Parameter not detected at the stated detection limit.

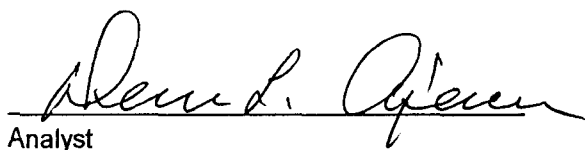
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
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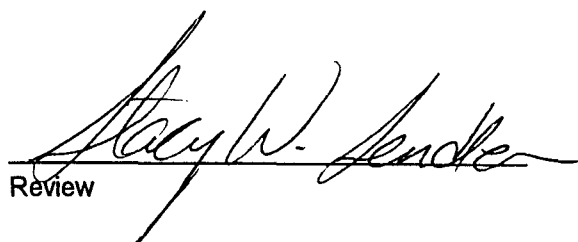
Petroleum Hydrocarbons

75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS							
Sampler: (Signature)			Chain of Custody Tape No.									
Christina Leites			91020-04									
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						Remarks	
Cell I-1	8-13-97	09:10	0827	Soil	1	✓	✓	✓	✓	✓	✓	Closure Samples 5 pt. Composite
Cell I-2		09:20	0829		1	✓	✓	✓	✓	✓	✓	
Cell J-1		09:15	0820		1	✓	✓	✓	✓	✓	✓	
Cell J-2		09:25	0830		1	✓	✓	✓	✓	✓	✓	
Cell K-1		09:30	0832		1	✓	✓	✓	✓	✓	✓	
Cell K-2		09:40	0832		1	✓	✓	✓	✓	✓	✓	
Cell L-1		09:35	0833		1	✓	✓	✓	✓	✓	✓	
Cell L-2		09:45	0835		1	✓	✓	✓	✓	✓	✓	
All samples received cool & intact												
Retinquished by: (Signature)			Date	Time	Received by: (Signature)							
Christina Leites			8-13-97	11:40	Robert L. Ogerson							
Retinquished by: (Signature)					Received by: (Signature)							
Retinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Date: 12-30-97

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
FEB - 4 1998

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

OIL CON. DIV.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG 04047	9-3-95	2C-46 Ticcilla lot	Line Dip L0010	90
"	"	"	metn 93189 Separator on Oehy p.t	18

Sampling Documentation:

	2	3	4
I			
J		X	X
K		X	X

Landfarm # 2 w.t 4 Cell(s): J-3

Sample Date: 9-29-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX,TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell J-3	Pass	4.0088	0.0279	40.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec

Date

NMOCD Santa Fe
...Marlan\Form\ooddms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 3	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	09-29-97
Chain of Custody:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	15.9	10.8
o-Xylene	12.0	5.2
Total BTEX	27.9	

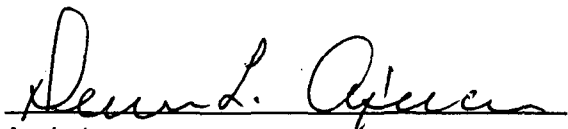
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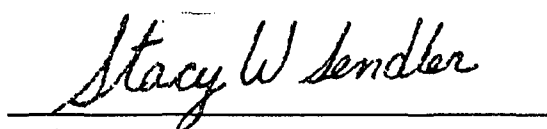
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

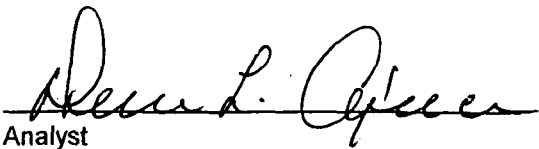
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 3	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	09-29-97
Chain of Custody No:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	10-01-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

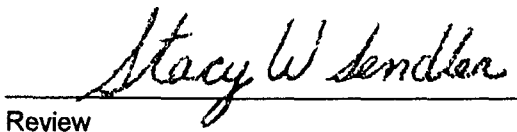
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 820 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

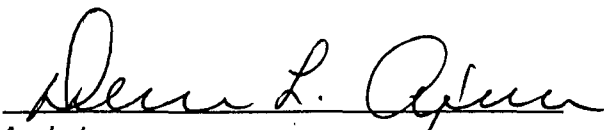
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	96 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	15.9	15.8	10.8	0.8%
o-Xylene	12.0	11.9	5.2	1.0%

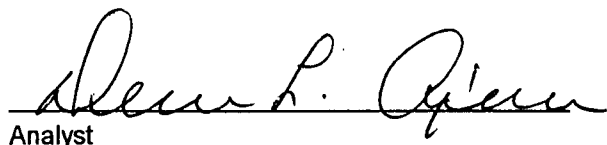
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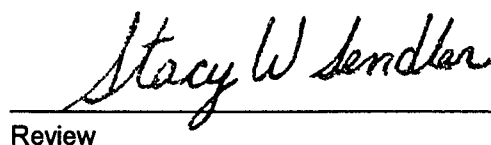
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

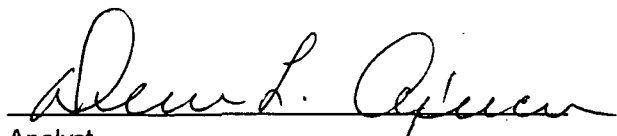
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	ND	50.0	56.8	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.1	7.6	98%	32-160
p,m-Xylene	15.9	100	113	10.8	97%	46-148
o-Xylene	12.0	50.0	61.1	5.2	99%	46-148

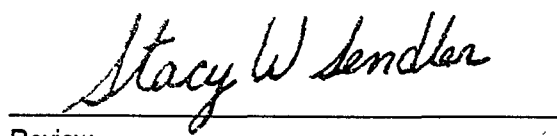
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

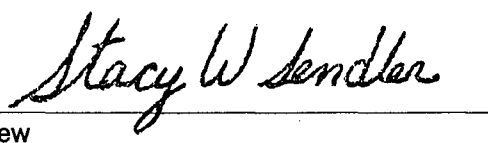
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

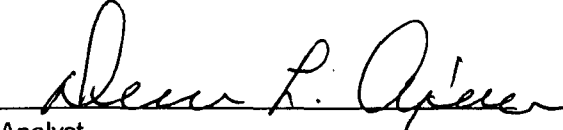
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

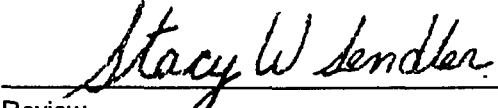
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	249	0.2	100%
Diesel Range (C10 - C28)	ND	250	248	0.1	99%
Total Petroleum Hydrocarbons	ND	500	497	0.2	99%

ND - Parameter not detected at the stated detection limit.

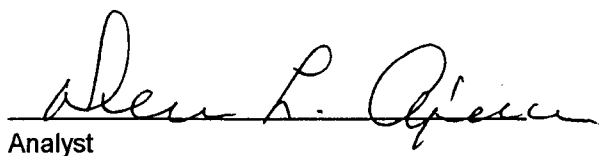
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
----------------------------	-----------	------------------

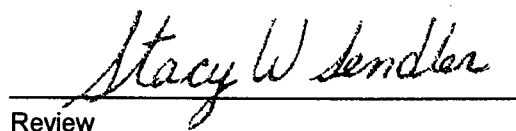
Petroleum Hydrocarbons

75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

Client/Project Name			Project Location		ANALYSIS/PARAMETERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
Date: 12-30-97
FEB - 4 1998
OIL CON. DIV.
DIST. 3

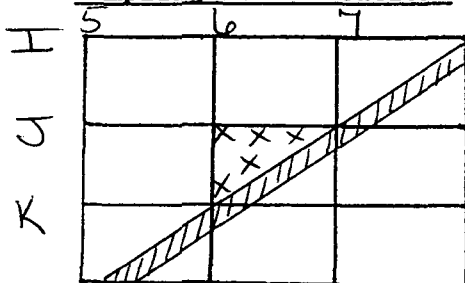
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	8-25-95	Jicciella #3F	meta 74387 Separate a.d. p.1	98
"	"	" C#33	meta 94784.5	54

Sampling Documentation:



Landfarm # 2 with 4 Cell(s): J-6
Sample Date: 9-29-97 Sampler: CMW
Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell J-6	Pass	<.0088	0.109	7.8

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...Narlan\Form\oodms

Martyn J. Kelly

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 6	Date Reported:	10-02-97
Laboratory Number:	C191	Date Sampled:	09-29-97
Chain of Custody:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	12.5	8.4
Ethylbenzene	20.4	7.6
p,m-Xylene	41.4	10.8
o-Xylene	34.8	5.2
Total BTEX	109	

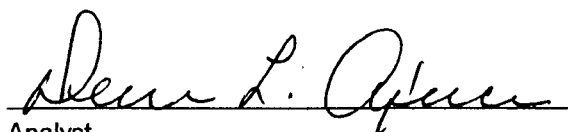
ND - Parameter not detected at the stated detection limit.

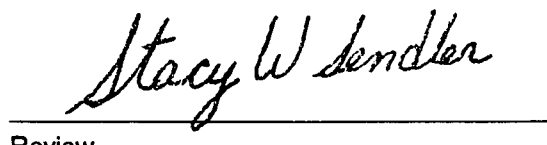
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

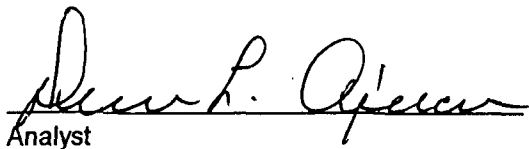
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell J - 6	Date Reported:	10-02-97
Laboratory Number:	C191	Date Sampled:	09-29-97
Chain of Custody No:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	10-01-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

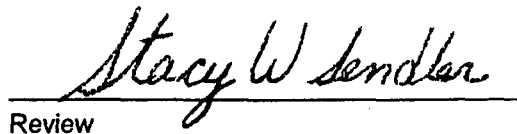
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.7	0.2
Diesel Range (C10 - C28)	4.1	0.1
Total Petroleum Hydrocarbons	7.8	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

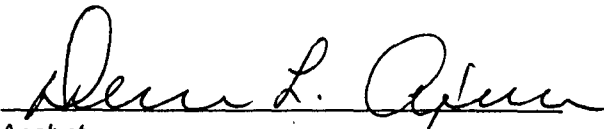
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

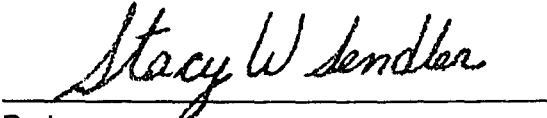
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	96 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	15.9	15.8	10.8	0.8%
o-Xylene	12.0	11.9	5.2	1.0%

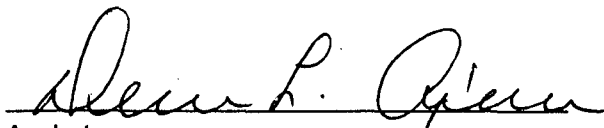
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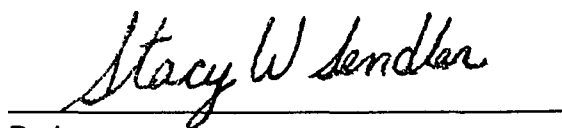
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

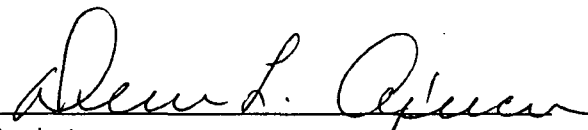
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	ND	50.0	56.8	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.1	7.6	98%	32-160
p,m-Xylene	15.9	100	113	10.8	97%	46-148
o-Xylene	12.0	50.0	61.1	5.2	99%	46-148

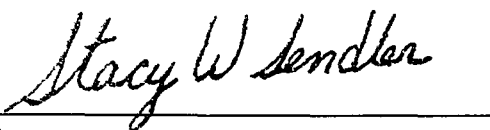
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

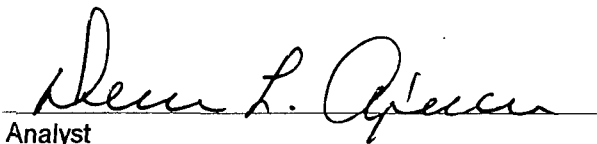
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

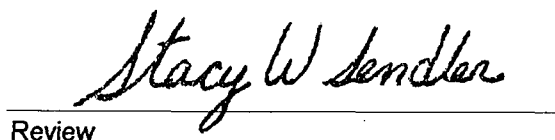
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

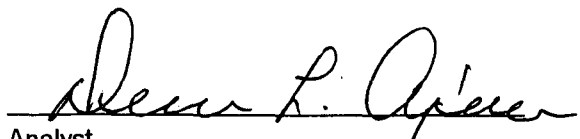
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

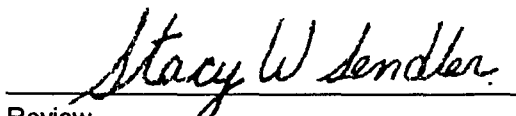
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

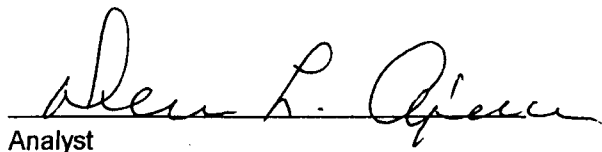
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	249	0.2	100%
Diesel Range (C10 - C28)	ND	250	248	0.1	99%
Total Petroleum Hydrocarbons	ND	500	497	0.2	99%

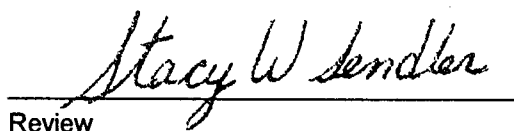
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

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

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-30-97

RECEIVED
FEB - 4 1998

OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
ERNG 04047	8-22-95	Jiccinilla C ^{CH} #19	man 74863 Separator & Oil P.I.	20
"	"	" C. Comp. Discharge	man 74813	50
"	"	" 2C-57 LD	Line Dip 10009	60
"	9-1-95	" 148-35	man 95942 Separator & Oil P.I.	144

Sampling Documentation:

	1	2	3
K			
L	X	X	
M	X	X	

Landfarm # 2 Unit 4 Cell(s): L-1

Sample Date: 8-13-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell L-1	Pass	2.0088	0.0321	40.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe _____

Date 4/4/98

...Hacian/Form/oodma

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 1	Date Reported:	08-19-97
Laboratory Number:	B834	Date Sampled:	08-13-97
Chain of Custody:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Analyzed:	08-18-97
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	13.4	10.8
o-Xylene	18.7	5.2
Total BTEX	32.1	

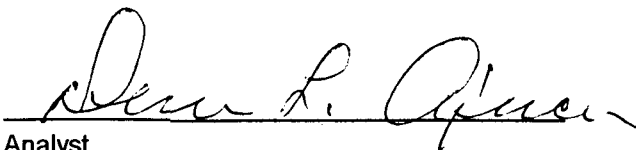
ND - Parameter not detected at the stated detection limit.

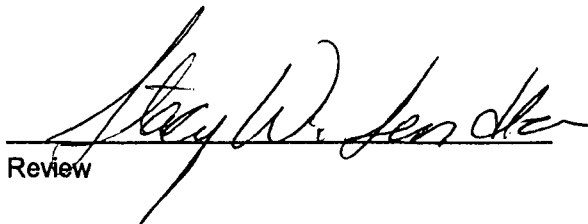
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

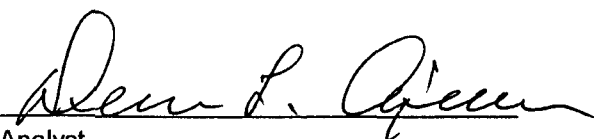
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 1	Date Reported:	08-19-97
Laboratory Number:	B834	Date Sampled:	08-13-97
Chain of Custody No:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Extracted:	08-15-97
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

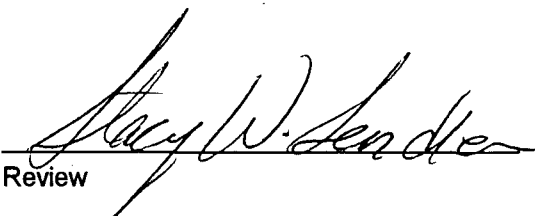
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

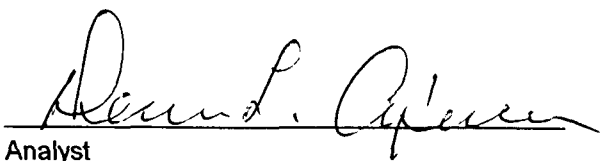
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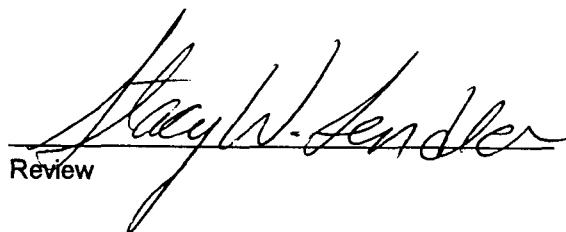
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	21.4	21.0	8.8	2.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	25.3	25.1	10.8	0.8%
o-Xylene	15.5	15.3	5.2	1.0%

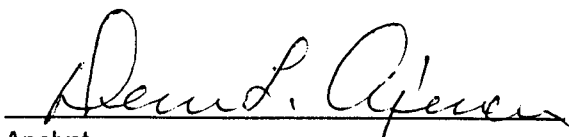
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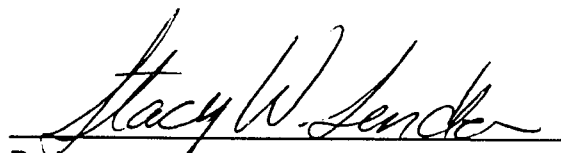
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool and Intact	Date Analyzed:	08-18-97

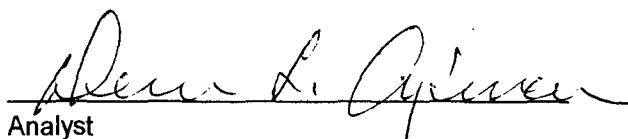
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	21.4	50.0	68.7	8.8	96%	39-150
Toluene	ND	50.0	47.6	8.4	95%	46-148
Ethylbenzene	ND	50.0	48.0	7.6	96%	32-160
p,m-Xylene	25.3	100	120	10.8	96%	46-148
o-Xylene	15.5	50.0	62.6	5.2	96%	46-148

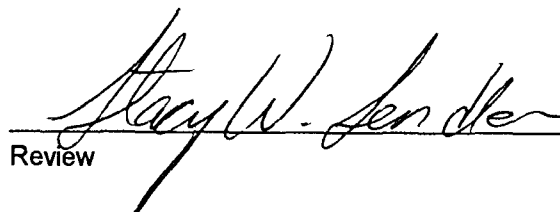
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

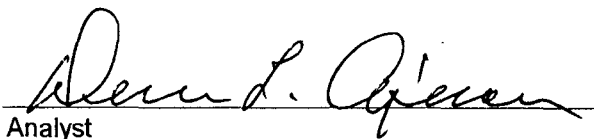
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	TPH

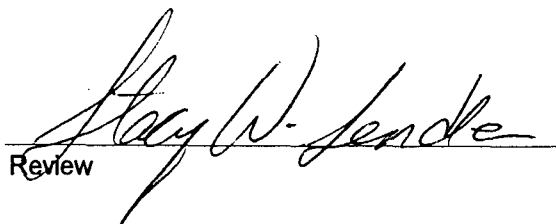
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	TPH

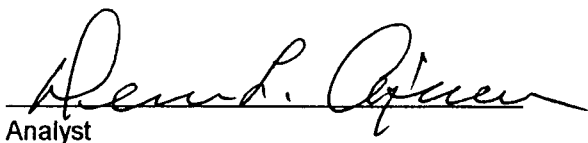
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-18-97
Condition:	N/A		

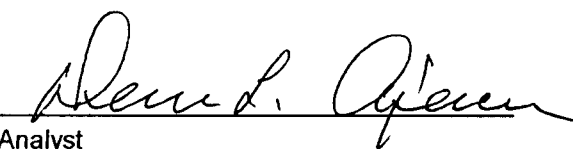
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	ND	500	496	0.2	99%

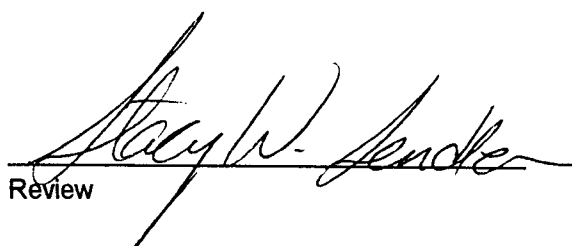
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QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS		
Sampler: (Signature)			Chain of Custody Tape No.			Remarks		
Envirotech			Landfarm 2 Unit 4			Closure Sample 5pt. Composite		
Christine LeBlanc			91020-04					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers			
Cul I-1	8-13-97	09:10	B827	Soil	1	✓	✓	
Cul I-2		09:20	B828		1	✓	✓	
Cul J-1		09:15	B829		1	✓	✓	
Cul J-2		09:25	B830		1	✓	✓	
Cul K-1		09:30	B831		1	✓	✓	
Cul K-2		09:40	B832		1	✓	✓	
Cul L-1		09:35	B833		1	✓	✓	
Cul L-2		09:45	B834		1	✓	✓	
All samples received cool & intact								
Relinquished by: (Signature)			Date	Time	Received by: (Signature)	Date		
Christine LeBlanc			8-13-97	11:40	Robert D. Capen	8-13-97 11:40		
Relinquished by: (Signature)			Received by: (Signature)					
Relinquished by: (Signature)			Received by: (Signature)					

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-30-97

RECEIVED
FEB - 4 1998

OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	9-1-95	PC Ticciella 67-9	met 74865/7246 Separate on Del P.2	
"	"	" 148-34	met 95541	
"	"	" 148-35	met 95942	
"	9-12-95	" Lat 2C-4L	Line Drip LOG16	
"	"	" Lat. 2C-24	" LOG17	

Sampling Documentation:

	1	2	3
K			
L		X	X
M		X	X

Landfarm # 2 Unit 4 Cell(s): L-2

Sample Date: 8-13-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell L-2	Pass	0.03	0.0399	21.0

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...Harlan/Form/ooddms

Walters J. K.

Date 4/14/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 2	Date Reported:	08-19-97
Laboratory Number:	B835	Date Sampled:	08-13-97
Chain of Custody:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Analyzed:	08-18-97
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	30.0	8.7
Toluene	ND	8.3
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	9.9	5.2
Total BTEX	39.9	

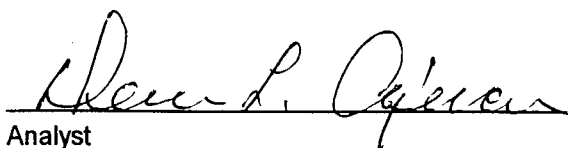
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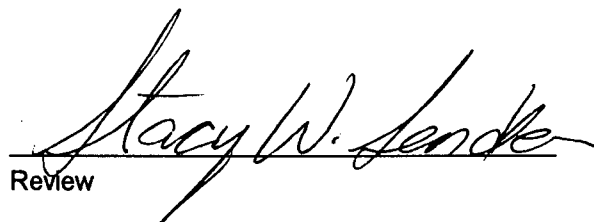
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

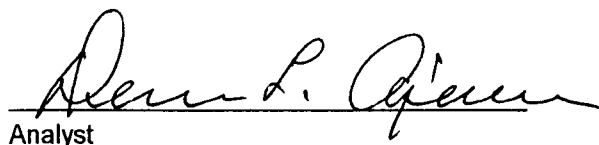
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 2	Date Reported:	08-19-97
Laboratory Number:	B835	Date Sampled:	08-13-97
Chain of Custody No:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Extracted:	08-15-97
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	21.0	0.1
Total Petroleum Hydrocarbons	21.0	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

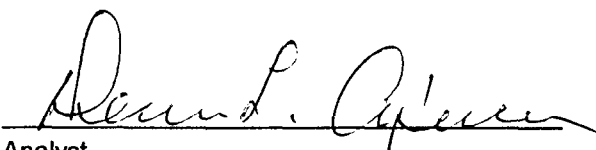
ND - Parameter not detected at the stated detection limit.

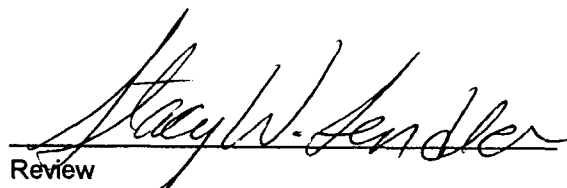
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	21.4	21.0	8.8	2.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	25.3	25.1	10.8	0.8%
o-Xylene	15.5	15.3	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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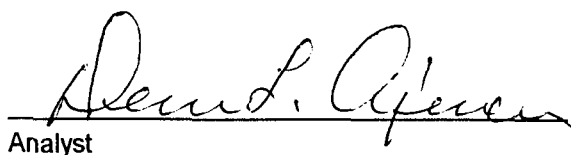
8020 Compounds

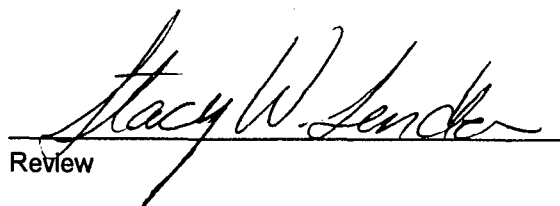
30 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool and Intact	Date Analyzed:	08-18-97

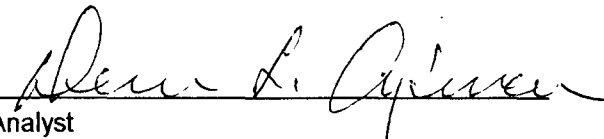
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	21.4	50.0	68.7	8.8	96%	39-150
Toluene	ND	50.0	47.6	8.4	95%	46-148
Ethylbenzene	ND	50.0	48.0	7.6	96%	32-160
p,m-Xylene	25.3	100	120	10.8	96%	46-148
o-Xylene	15.5	50.0	62.6	5.2	96%	46-148

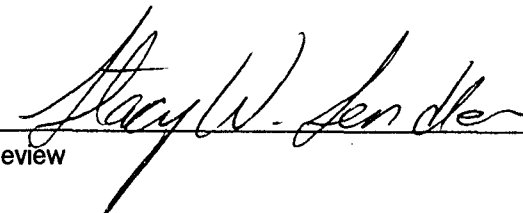
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

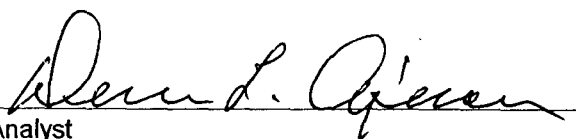
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	TPH

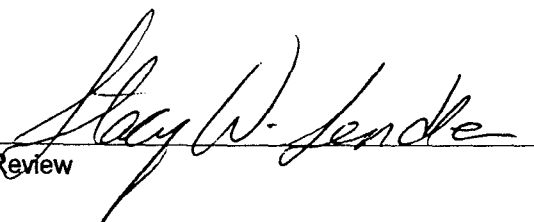
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	TPH

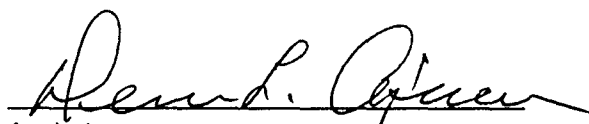
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

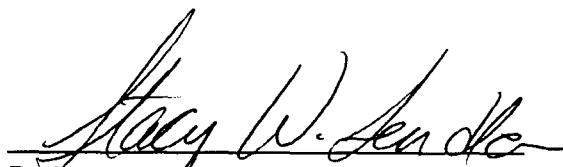
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-18-97
Condition:	N/A		

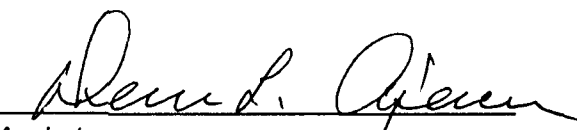
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	ND	500	496	0.2	99%

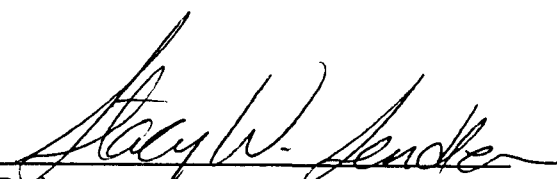
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS							
Sampler: (Signature)			Chain of Custody Tape No.		Remarks							
Christine Bratten			91020-04		Closure Samples Spt. Composite							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers							
Cell I-1	8-13-97	09:10	B827	Soil	1	✓	✓					
Cell I-2		09:20	B828		1	✓	✓					
Cell J-1		09:15	B829		1	✓	✓					
Cell J-2		09:25	B830		1	✓	✓					
Cell K-1		09:30	B831		1	✓	✓					
Cell K-2		09:40	B832		1	✓	✓					
Cell L-1		09:35	B833		1	✓	✓					
Cell L-2		09:45	B835		1	✓	✓					
All samples received cool & intact												
Relinquished by: (Signature)			Date	Time	Received by: (Signature)							
Christine Bratten			8-13-97	11:40	Edward L. Caperton							
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Date : 12-30-97

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
FEB - 4 1998

OIL CON. DIV.
DIST. 2

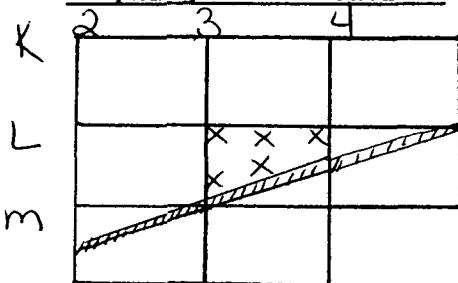
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPN6 04047	9-1-95	P.C. Ticcilla 67-9	metu 72641/74868 Separator a Del. P.I.	
"	"	" CNT 148-34	" metu 95941	
"	"	" 148-35	" metu 95942	
"	"	9-12-95 Ticcilla 2C-46	Line Drop 10010	
"	"	" L#3	Separator a Del. P.I.	
"	"	" N.E Haynes #9-1	" metu 87698	
"	"	"	" metu 07434	

Sampling Documentation:



Landfarm # 2 unit 4 Cell(s): L-3

Sample Date: 9-28-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell 1-3	Pass	4.0088	0.0635	3.8

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *Matthew J. Ritz*
...Harlan\Form\ooddms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 3	Date Reported:	10-02-97
Laboratory Number:	C192	Date Sampled:	09-29-97
Chain of Custody:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	12.0	8.4
Ethylbenzene	8.9	7.6
p,m-Xylene	22.4	10.8
o-Xylene	20.2	5.2
Total BTEX	63.5	

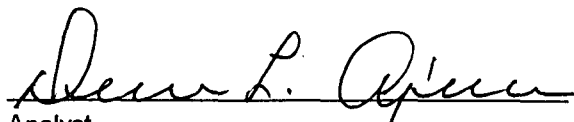
ND - Parameter not detected at the stated detection limit.

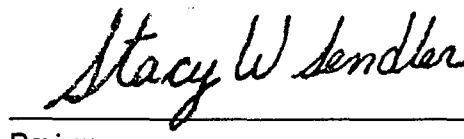
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

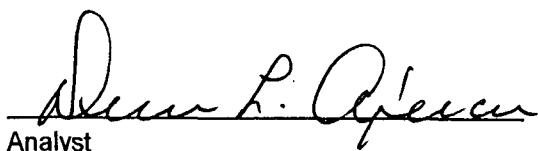
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 3	Date Reported:	10-02-97
Laboratory Number:	C192	Date Sampled:	09-29-97
Chain of Custody No:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	10-01-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

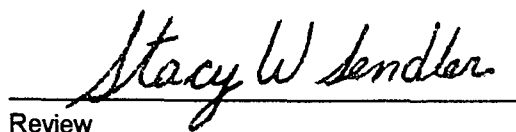
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	3.8	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

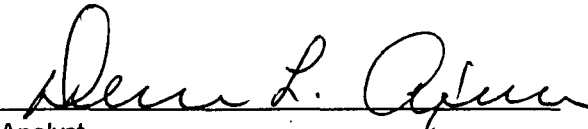
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

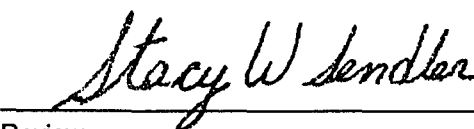
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	96 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	15.9	15.8	10.8	0.8%
o-Xylene	12.0	11.9	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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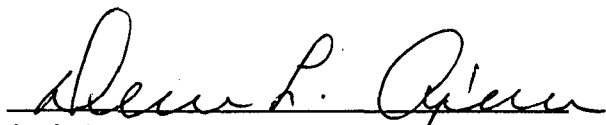
8020 Compounds

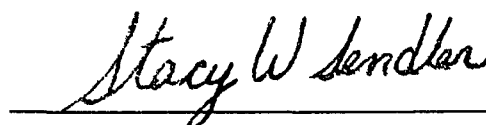
30 %

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

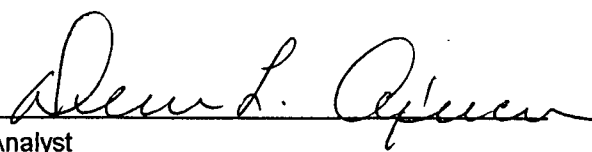
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	ND	50.0	56.8	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.1	7.6	98%	32-160
p,m-Xylene	15.9	100	113	10.8	97%	46-148
o-Xylene	12.0	50.0	61.1	5.2	99%	46-148

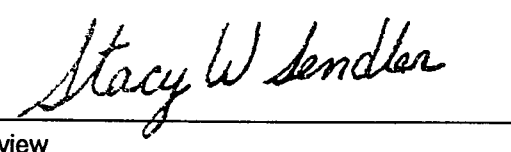
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

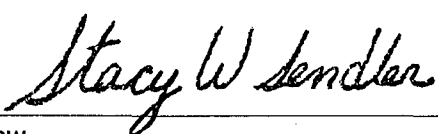
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

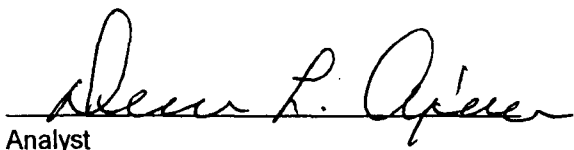
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

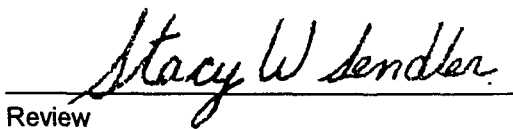
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

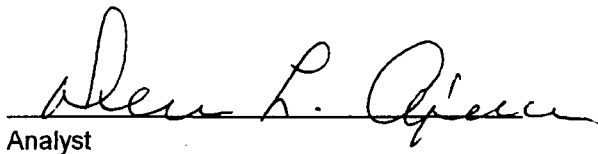
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	249	0.2	100%
Diesel Range (C10 - C28)	ND	250	248	0.1	99%
Total Petroleum Hydrocarbons	ND	500	497	0.2	99%

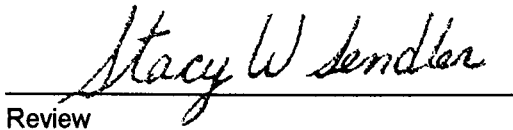
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

[illegible]

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date: 12-30-97
RECEIVED
FEB - 4 1998
OIL CON. DIV.
DIST. 3

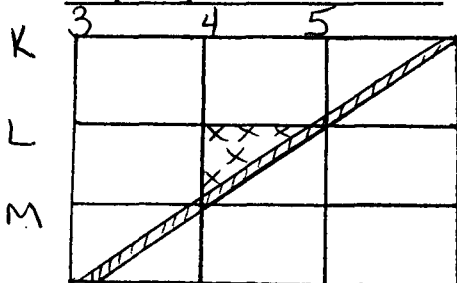
Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPN26 041047	8-25-95	Lindrieth	Pig. System	120
"	8-31-96	Tecunilla CNT 14836	meta 5524 Separator & Del. Rt	36

Sampling Documentation:



Landfarm # 2 Unit 4 Cell(s): 2-4
Sample Date: 9-29-97 Sampler: CMW
Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell L-4	Pass	<.0088	0.0311	<0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *M. J. R. H.* _____
...Narlan\Form\oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 4	Date Reported:	10-02-97
Laboratory Number:	C193	Date Sampled:	09-29-97
Chain of Custody:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Analyzed:	10-01-97
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	18.5	10.8
o-Xylene	12.6	5.2
Total BTEX	31.1	

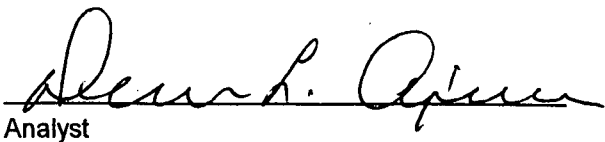
ND - Parameter not detected at the stated detection limit.

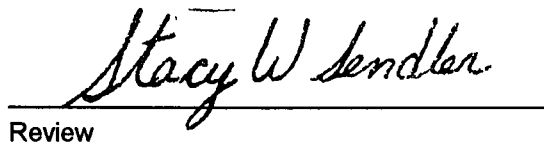
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

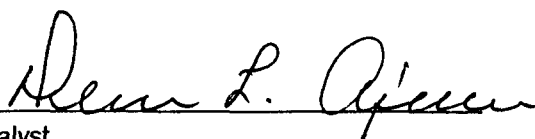
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell L - 4	Date Reported:	10-02-97
Laboratory Number:	C193	Date Sampled:	09-29-97
Chain of Custody No:	5500	Date Received:	09-29-97
Sample Matrix:	Soil	Date Extracted:	10-01-97
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

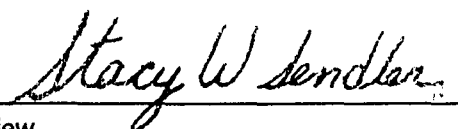
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2, Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	BTEX

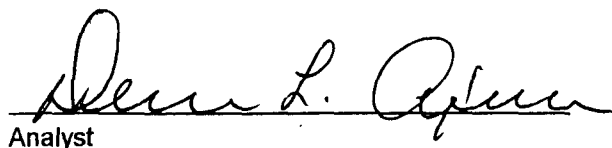
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

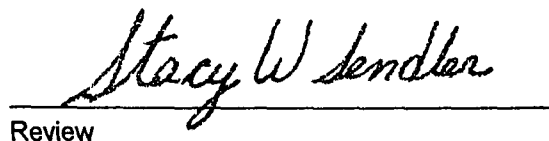
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	96 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
USEPA, Sept. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	15.9	15.8	10.8	0.8%
o-Xylene	12.0	11.9	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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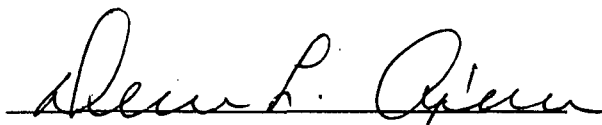
8020 Compounds

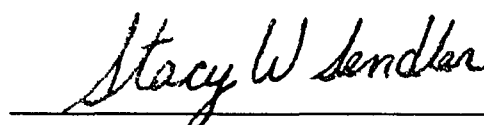
30 %

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-97
Condition:	Cool and Intact	Date Analyzed:	10-01-97

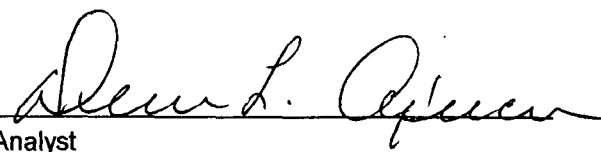
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	ND	50.0	56.8	8.4	98%	46-148
Ethylbenzene	ND	50.0	55.1	7.6	98%	32-160
p,m-Xylene	15.9	100	113	10.8	97%	46-148
o-Xylene	12.0	50.0	61.1	5.2	99%	46-148

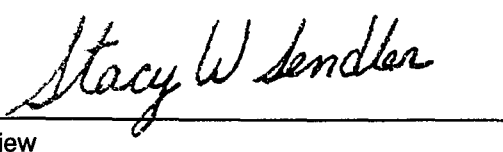
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples C190 - C193.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

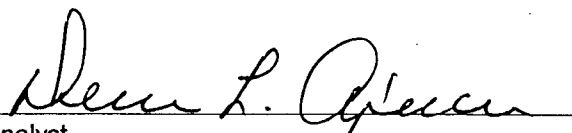
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-02-97
Laboratory Number:	10-01-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-97
Condition:	N/A	Analysis Requested:	TPH

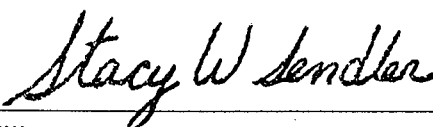
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	10-01-97
Condition:	Cool and Intact	Analysis Requested:	TPH

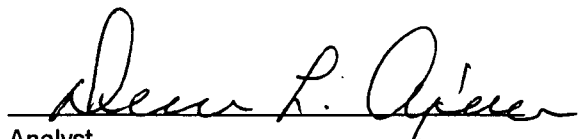
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

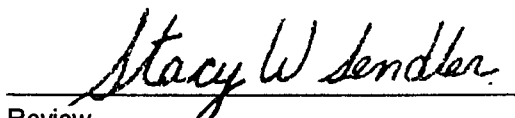
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-02-97
Laboratory Number:	C190	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	10-01-97
Condition:	N/A		

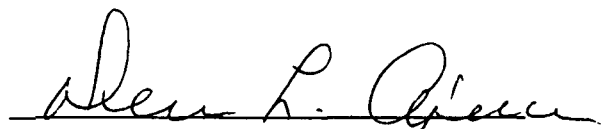
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	249	0.2	100%
Diesel Range (C10 - C28)	ND	250	248	0.1	99%
Total Petroleum Hydrocarbons	ND	500	497	0.2	99%

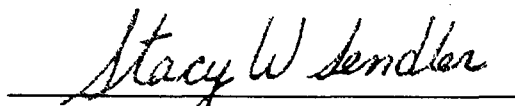
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C190 - C193 and C222.


Analyst


Review

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Date : 12-30-97

RECEIVED
FEB - 4 1998

OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	8-22-95	Jicarilla C ^{CH} #19	met 74803 Separator or Dehy. P.T.	60
"	8-23-95	" 2C-57	Line Drip L.D.G.	18
"	8-3-95	" CNT 148-36	met 95924 Separator or Dehy. P.T.	54
"	9-18-95	" Lot 2C-46	Line Drip 10018	18
"	"	" L#9	met 93184 Separator or Dehy. P.T.	36

Sampling Documentation:

	1	2	3
H			
I	X	X	
J	X	X	

Landfarm # 2 Unit 4 Cell(s): I-1

Sample Date: 8-13-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell I-1	Pass	0.0214	0.0622	<0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe _____

Date 4/4/98

...Marlan\Form\ocdms

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 1	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	08-13-97
Chain of Custody:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Analyzed:	08-18-97
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	21.4	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	25.3	10.8
o-Xylene	15.5	5.2
Total BTEX	62.2	

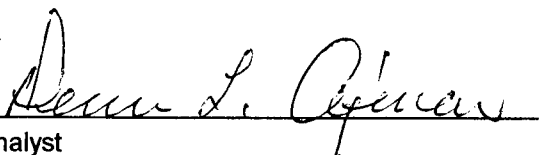
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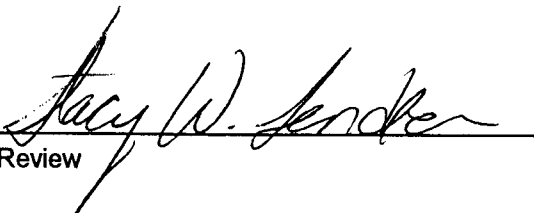
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

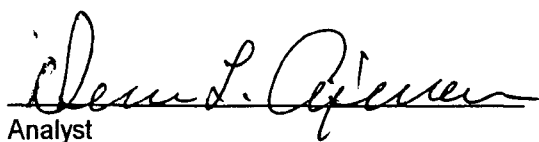
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 1	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	08-13-97
Chain of Custody No:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Extracted:	08-15-97
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

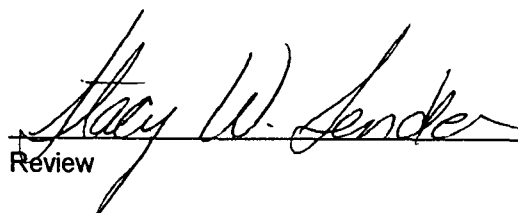
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

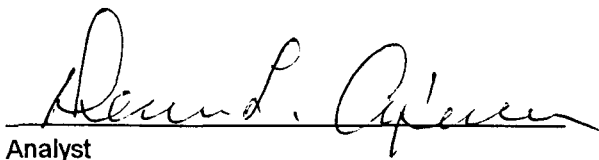
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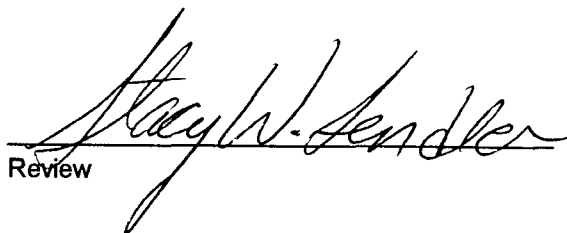
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	21.4	21.0	8.8	2.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	25.3	25.1	10.8	0.8%
o-Xylene	15.5	15.3	5.2	1.0%

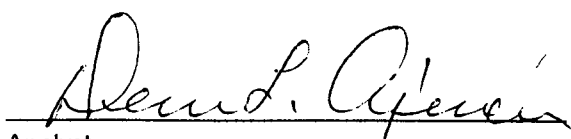
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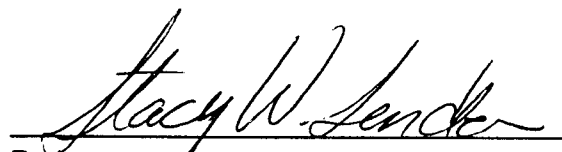
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: B827
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 08-19-97
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-15-97
Date Analyzed: 08-18-97

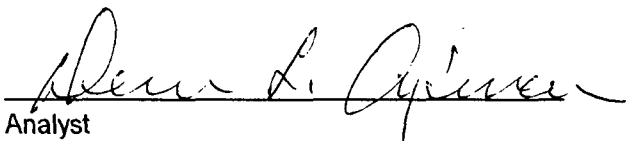
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	21.4	50.0	68.7	8.8	96%	39-150
Toluene	ND	50.0	47.6	8.4	95%	46-148
Ethylbenzene	ND	50.0	48.0	7.6	96%	32-160
p,m-Xylene	25.3	100	120	10.8	96%	46-148
o-Xylene	15.5	50.0	62.6	5.2	96%	46-148

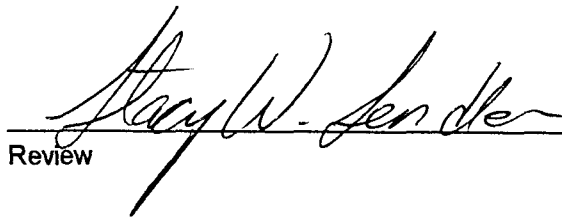
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

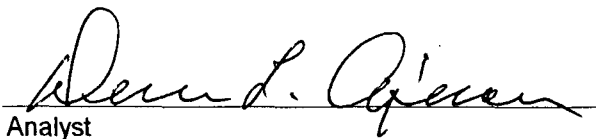
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	TPH

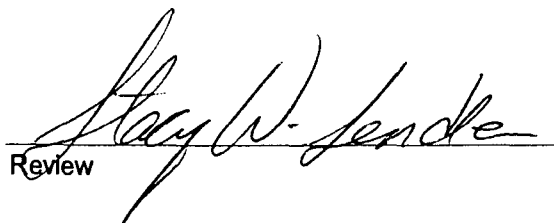
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	TPH

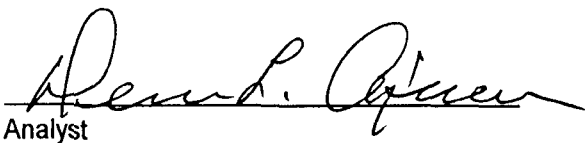
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

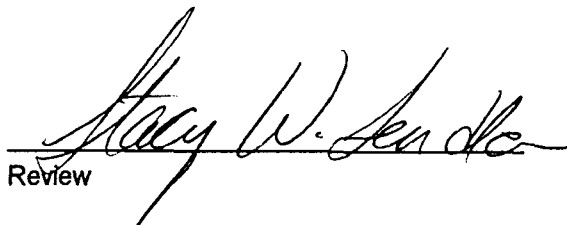
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-18-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	ND	500	496	0.2	99%

ND - Parameter not detected at the stated detection limit.

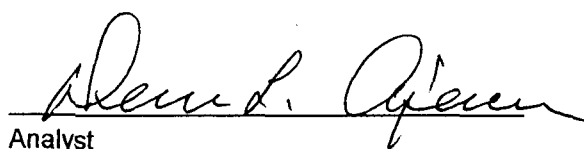
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
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Petroleum Hydrocarbons

75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS					
Sampler: (Signature)			Chain of Custody Tape No.			Remarks					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						
Christine Beatty			91020-04								
Cell I-1	8-13-97	09:10	B827	Soil	1	✓	✓	✓	✓	✓	Close Samples Spt. Composite
Cell I-2		09:20	B828		1	✓	✓	✓	✓	✓	
Cell J-1		09:15	B829		1	✓	✓	✓	✓	✓	
Cell J-2		09:25	B830		1	✓	✓	✓	✓	✓	
Cell K-1		09:30	B831		1	✓	✓	✓	✓	✓	
Cell K-2		09:40	B832		1	✓	✓	✓	✓	✓	
Cell L-1		09:35	B833		1	✓	✓	✓	✓	✓	
Cell L-2		09:45	B834		1	✓	✓	✓	✓	✓	
All samples received cool & intact											
Reinquished by: (Signature)			Date	Time	Received by: (Signature)						
Christine Beatty			8-13-97	11:40	Edward L. Capron						
Reinquished by: (Signature)					Received by: (Signature)						
Reinquished by: (Signature)					Received by: (Signature)						
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615											

ENVIROTECH INC.

Date : 12-30-97

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
FEB - 4 1998

OIL CON. DIV.

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG 04047	9-18-95	Jicarilla CNT #10	metu #1884 Separata on Del P. 7	36
" "	"	" L#9	" metu 93188	90
" "	"	" 2C-94	Line Drip 20018	154

Sampling Documentation:

	1	2	3
H			
I		X	X
J		X	X

Landfarm # 2 Unit 4 Cell(s): I-2

Sample Date: 8-13-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell T-2	Pass	< 0.0088	0.13	< 0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *Martyna J. [Signature]*
...Nacian/Form/oodms

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 2	Date Reported:	08-19-97
Laboratory Number:	B829	Date Sampled:	08-13-97
Chain of Custody:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Analyzed:	08-18-97
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	13.6	8.4
Ethylbenzene	17.6	7.6
p,m-Xylene	62.9	10.8
o-Xylene	36.3	5.2
Total BTEX	130	

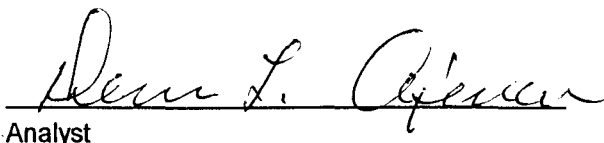
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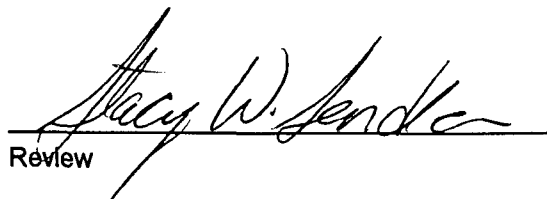
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

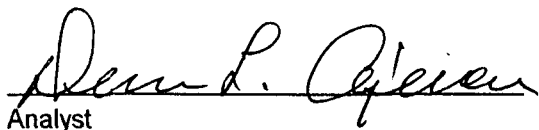
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 2	Date Reported:	08-19-97
Laboratory Number:	B829	Date Sampled:	08-13-97
Chain of Custody No:	5351	Date Received:	08-13-97
Sample Matrix:	Soil	Date Extracted:	08-15-97
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

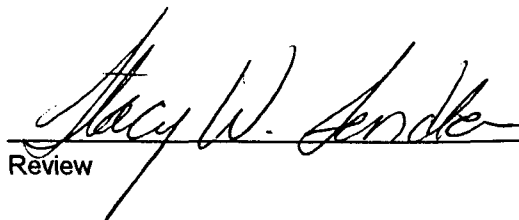
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

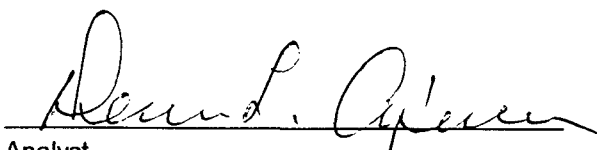
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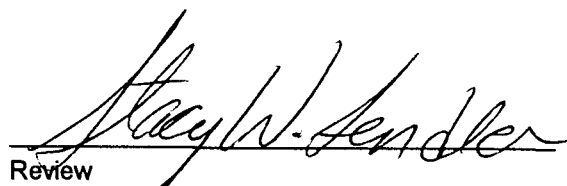
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	21.4	21.0	8.8	2.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	25.3	25.1	10.8	0.8%
o-Xylene	15.5	15.3	5.2	1.0%

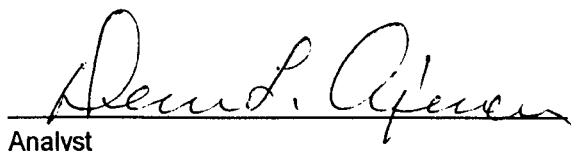
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-15-97
Condition:	Cool and Intact	Date Analyzed:	08-18-97

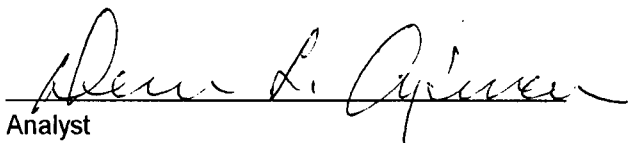
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	21.4	50.0	68.7	8.8	96%	39-150
Toluene	ND	50.0	47.6	8.4	95%	46-148
Ethylbenzene	ND	50.0	48.0	7.6	96%	32-160
p,m-Xylene	25.3	100	120	10.8	96%	46-148
o-Xylene	15.5	50.0	62.6	5.2	96%	46-148

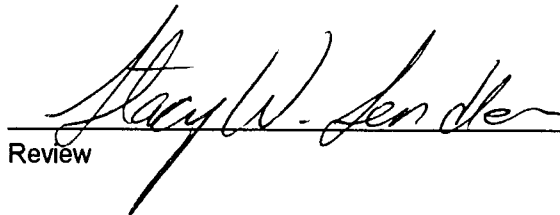
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References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

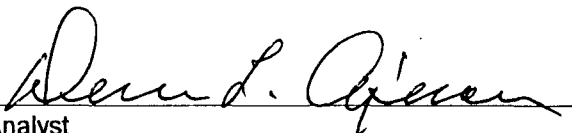
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-19-97
Laboratory Number:	08-18-PM-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-97
Condition:	N/A	Analysis Requested:	TPH

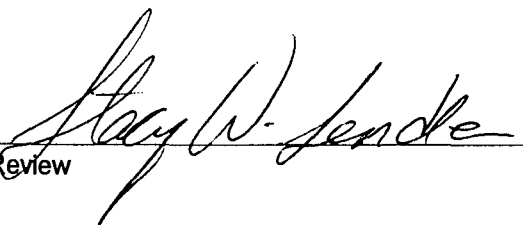
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-18-97
Condition:	Cool and Intact	Analysis Requested:	TPH

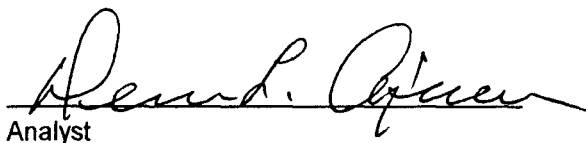
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

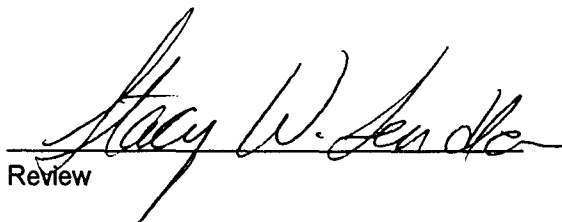
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-19-97
Laboratory Number:	B827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-18-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	247	0.2	99%
Diesel Range (C10 - C28)	ND	250	249	0.1	100%
Total Petroleum Hydrocarbons	ND	500	496	0.2	99%

ND - Parameter not detected at the stated detection limit.

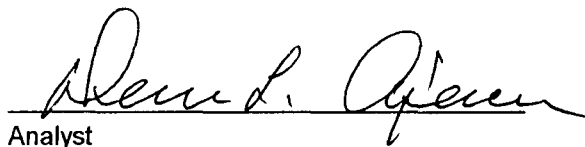
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
----------------------------	-----------	------------------

Petroleum Hydrocarbons

75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B827 - B835.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS								
Sampler: (Signature)			Chain of Custody Tape No.		Remarks								
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers								
Christine White			91020-04										
Cell I-1	8-13-97	09:10	B827	Soil	1	✓	✓	✓	✓	✓	✓	✓	Closure Samples Spt. Composite
Cell I-2		09:20	B828		1	✓	✓	✓	✓	✓	✓	✓	
Cell J-1		09:15	B829		1	✓	✓	✓	✓	✓	✓	✓	
Cell J-2		09:25	B830		1	✓	✓	✓	✓	✓	✓	✓	
Cell K-1		09:30	B831		1	✓	✓	✓	✓	✓	✓	✓	
Cell K-2		09:40	B832		1	✓	✓	✓	✓	✓	✓	✓	
Cell L-1		09:35	B833		1	✓	✓	✓	✓	✓	✓	✓	
Cell L-2		09:45	B834		1	✓	✓	✓	✓	✓	✓	✓	
All samples received cool & intact													
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time				
Christine White			8-13-97	11:40	Robert D. Capen			8-13-97	11:40				
Relinquished by: (Signature)													
Relinquished by: (Signature)													

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Date : 1-9-98

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
FEB - 4 1998

Dear Mr. Anderson:

OIL CON. DIV.

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	10-5-95	Lat. 2C68 DY-1	Line Drip L0020	18
"	10-5-95	Lat. 2C70 LD	" " L0019	126
"	10-5-95	Jicarella #103	meter 57067 Separator on Del. Pit	72
"	10-6-95	Jicarella 11B	meter 748615	54

Sampling Documentation:

4	5	6
	X	X
	X	X

Landfarm # 2 Unit 4 Cell(s): I-5

Sample Date: 8-20-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell I-5	Pass	4.0088	0.0082	8.6

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe Matthew J. Kelly

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 5	Date Reported:	08-27-97
Laboratory Number:	B899	Date Sampled:	08-20-97
Chain of Custody:	5359	Date Received:	08-20-97
Sample Matrix:	Soil	Date Analyzed:	08-26-97
Preservative:	Cool	Date Extracted:	08-20-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	8.2	5.2
Total BTEX	8.2	

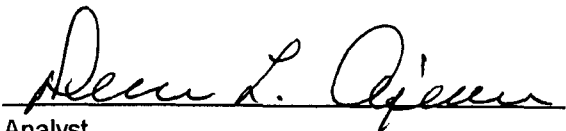
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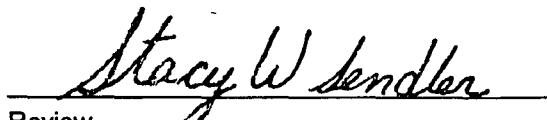
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

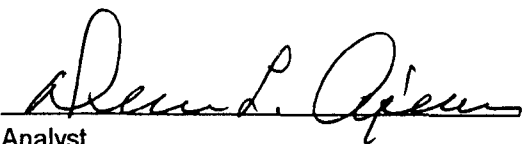
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell I - 5	Date Reported:	08-28-97
Laboratory Number:	B899	Date Sampled:	08-20-97
Chain of Custody No:	5359	Date Received:	08-20-97
Sample Matrix:	Soil	Date Extracted:	08-20-97
Preservative:	Cool	Date Analyzed:	08-27-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

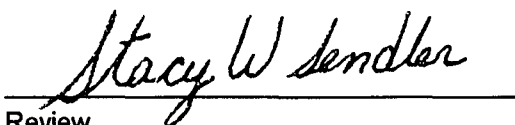
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.5	0.2
Diesel Range (C10 - C28)	5.1	0.1
Total Petroleum Hydrocarbons	8.6	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-27-97
Laboratory Number:	08-26-PM-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-26-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

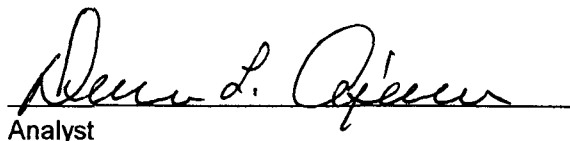
ND - Parameter not detected at the stated detection limit.

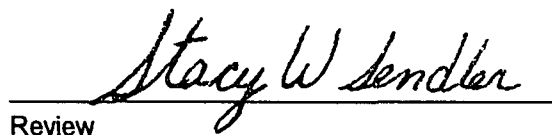
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-27-97
Laboratory Number:	B897	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-26-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	ND	ND	8.4	0.0%
Ethylbenzene	ND	ND	7.6	0.0%
p,m-Xylene	26.4	26.2	10.8	0.8%
o-Xylene	27.6	27.3	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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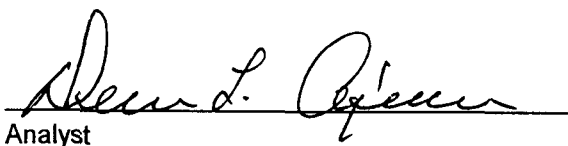
8020 Compounds

30 %

References: 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. 1994.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: B897
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 08-27-97
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-20-97
Date Analyzed: 08-26-97

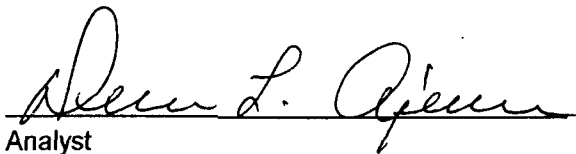
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	49.3	8.8	99%	39-150
Toluene	ND	50.0	48.6	8.4	97%	46-148
Ethylbenzene	ND	50.0	54.6	7.6	98%	32-160
p,m-Xylene	26.4	100	123	10.8	97%	46-148
o-Xylene	27.6	50.0	76.8	5.2	99%	46-148

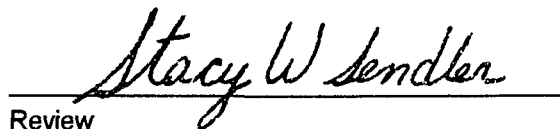
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

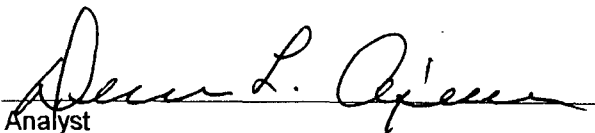
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-28-97
Laboratory Number:	08-27-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-27-97
Condition:	N/A	Analysis Requested:	TPH

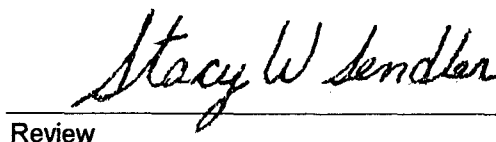
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-28-97
Laboratory Number:	B897	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-27-97
Condition:	Cool and Intact	Analysis Requested:	TPH

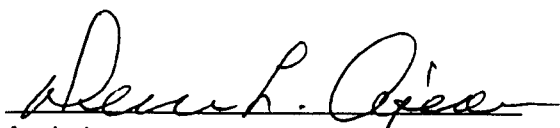
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	4.9	4.9	0.0%
Diesel Range (C10 - C28)	22.7	22.1	2.5%
Total Petroleum Hydrocarbons	27.6	27.0	2.1%

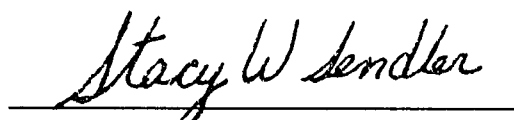
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-28-97
Laboratory Number:	B897	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-27-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	4.9	250	254	0.2	100%
Diesel Range (C10 - C28)	22.7	250	272	0.1	100%
Total Petroleum Hydrocarbons	27.6	500	526	0.2	100%

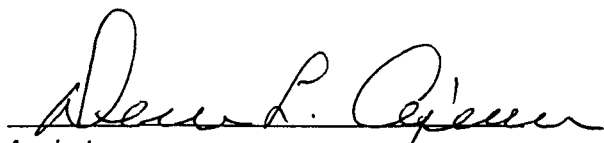
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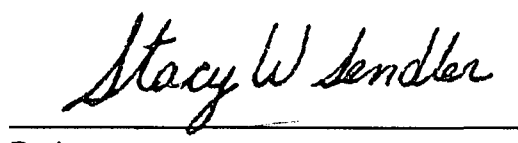
QA/QC Acceptance Criteria:	Parameter	Acceptance Range
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Petroleum Hydrocarbons	75 - 125%
------------------------	-----------

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B897 - B904.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS							
Sampler: (Signature)			Chain of Custody Tape No.			No. of Containers		Remarks					
Envirotech			Landfarm 2 Unit 4										
Christine Baxter			91020-04										
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						Remarks		
Cell H-5	8-20-97	10:30	B897	Soil	1	✓	✓					Closure Samples 5 pt. Composite	
Cell H-6		10:40	B898		1	✓	✓						
Cell I-5		10:35	B899		1	✓	✓						
Cell I-6		10:45	B900		1	✓	✓						
Cell J-4		11:00	B901		1	✓	✓						
Cell J-5		11:05	B902		1	✓	✓						
Cell K-4		11:10	B903		1	✓	✓						
Cell K-5		11:15	B904		1	✓	✓						
All samples received cool & intact													
Relinquished by: (Signature)			Date			Time			Received by: (Signature)			Date	
Christine Baxter			8-20-97			13:10			Steven D. Caplan			8-20-97 13:10	
Relinquished by: (Signature)									Received by: (Signature)				
Relinquished by: (Signature)									Received by: (Signature)				

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
Date 2-28-97
FEB - 4 1998
OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
SPNG	8-23-95	Ticaille C-19 CH	meter 74803 Separator on Oil P.T.	
"	"	" Apache #3	meter 74347	
"	"	" CNT #148-26	meter 95924	
"	9-12-95	" Lot. 2C-46	Line Drip 40010	

Sampling Documentation:

	1	2	3
G			
H	X	X	
H	X	X	

Landfarm # 2 Unit 4 Cell(s): H-1

Sample Date: 8-6-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell H-1	Pass	<.0088	<.0108	<0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe _____
...Narlan\Form\ooddms

Date 4/4/98

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Date : 12-28-97

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	9-18-95	Jicavilla 2C-94	Line Dig LDC18 meter 74884	
"	"	" Contract #10	Soils on Del. A1 meter 95184	
"	"	" L # 9	" "	

Sampling Documentation:

	1	2	3
G			
H	x	x	
I	x	x	

Landfarm # 2 unit 4 Cell(s): H-1 (cont.)

Sample Date: 8-6-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX, TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell H-1	Pass	4.0088	4.0108	40.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...Marlan\Form\oodms

Marlan

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell H - 1	Date Reported:	08-13-97
Laboratory Number:	B773	Date Sampled:	08-06-97
Chain of Custody:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Analyzed:	08-12-97
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	ND	5.2
Total BTEX	ND	

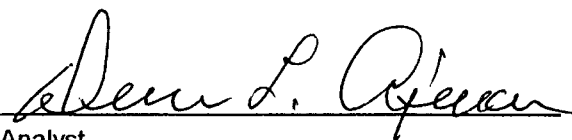
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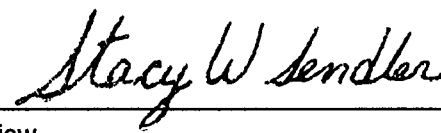
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

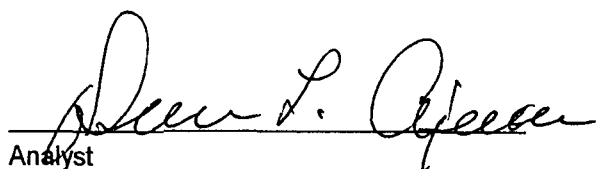
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell H - 1	Date Reported:	08-12-97
Laboratory Number:	B773	Date Sampled:	08-06-97
Chain of Custody No:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Extracted:	08-06-97
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

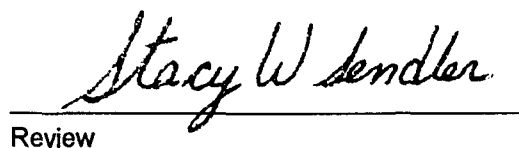
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-97
Laboratory Number:	08-12-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

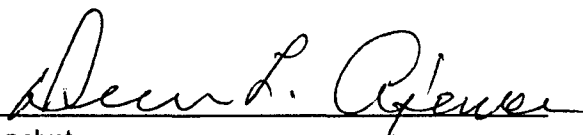
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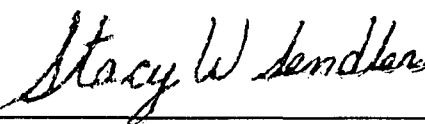
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-12-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	14.5	14.3	8.4	1.0%
Ethylbenzene	12.7	12.5	7.6	1.0%
p,m-Xylene	30.5	30.3	10.8	0.8%
o-Xylene	19.0	18.9	5.2	1.0%

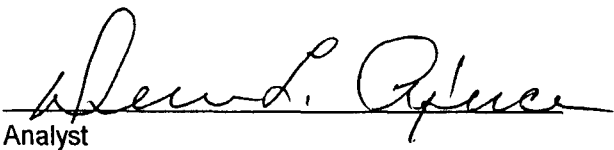
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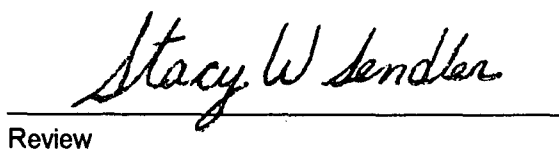
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	30 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool and Intact	Date Analyzed:	08-12-97

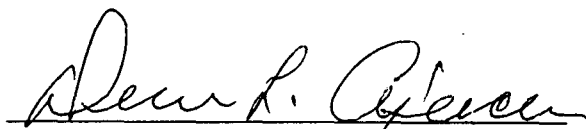
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	47.3	8.8	95%	39-150
Toluene	14.5	50.0	62.1	8.4	96%	46-148
Ethylbenzene	12.7	50.0	60.7	7.6	97%	32-160
p,m-Xylene	30.5	100	125	10.8	96%	46-148
o-Xylene	19.0	50.0	66.2	5.2	96%	46-148

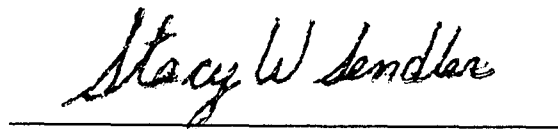
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

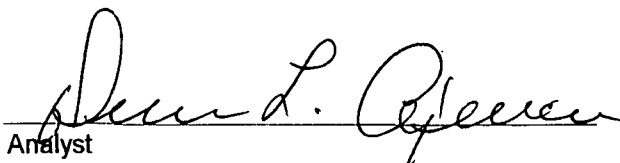
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-12-97
Laboratory Number:	08-11-PM-TPH.BLANK	Date Sampled:	08-06-97
Sample Matrix:	Methylene Chloride	Date Received:	08-06-97
Preservative:	N/A	Date Analyzed:	08-11-97
Condition:	N/A	Analysis Requested:	TPH

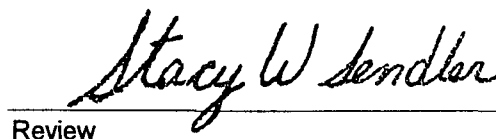
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	TPH

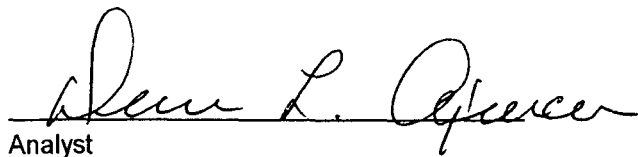
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	0.7	0.7	0.0%
Total Petroleum Hydrocarbons	0.7	0.7	0.0%

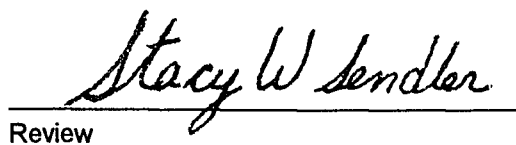
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-11-97
Condition:	N/A		

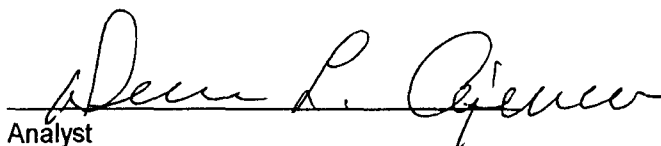
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	250	0.2	100%
Diesel Range (C10 - C28)	0.7	250	251	0.1	100%
Total Petroleum Hydrocarbons	0.7	500	501	0.2	100%

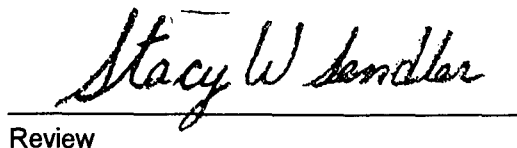
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QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS					
Envirotech			Landbarn 2 Unit 4								
Sampler: (Signature) <i>Christine Watts</i>			Chain of Custody Tape No. 04 91020-2243 8-6-97								
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						Remarks
Cell A-1	8-6-97	09:30	6764	Soil	1	✓	✓				5pt. Composite Closure Samples
Cell B-1		09:40	6767		1	✓	✓				
Cell C-1		10:00	6768		1	✓	✓				
Cell D-1		10:10	6769		1	✓	✓				
Cell E-1		10:30	6770		1	✓	✓				
Cell F-1		10:40	6771		1	✓	✓				
Cell G-1		11:00	6772		1	✓	✓				
Cell H-1		11:10	6773		1	✓	✓				
All Samples					received	cool - intact					
Relinquished by: (Signature) <i>Christine Watts</i>			Date	Time	Received by: (Signature) <i>Sherrad D. O'Brien</i>	Date	Time				
Relinquished by: (Signature)											
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)											

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	8-23-90	Ticconilla Apache A#3	met 44347	152
"	8-24-90	Ticconilla Apache 443	met 02346	90
"	9-19-95	Ticconilla N.E. Hayen	"	

Sampling Documentation:

	1	2	3
E			
F	x	x	
	x		
G	x	x	

Landfarm # 2 Unit 4 Cell(s): F-1

Sample Date: 8-6-97 Sampler: CMW

Type: 5 Point Composite Analysis Analysis: BTEX,TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
Cell F-1	Pass	< 0.0088	0.0248	< 0.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe *Christine M. Walters*
...Harlan\Form\oodcme

Date 4/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 1	Date Reported:	08-13-97
Laboratory Number:	B771	Date Sampled:	08-06-97
Chain of Custody:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Analyzed:	08-12-97
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	12.7	10.8
o-Xylene	12.1	5.2
Total BTEX	24.8	

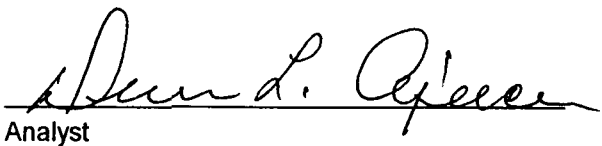
ND - Parameter not detected at the stated detection limit.

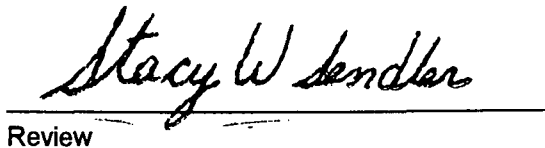
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

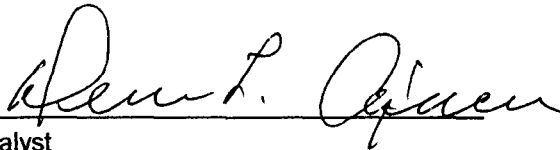
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell F - 1	Date Reported:	08-12-97
Laboratory Number:	B771	Date Sampled:	08-06-97
Chain of Custody No:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Extracted:	08-06-97
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

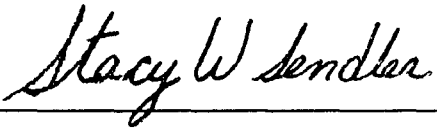
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-97
Laboratory Number:	08-12-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

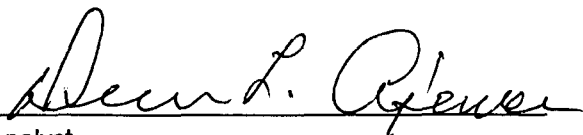
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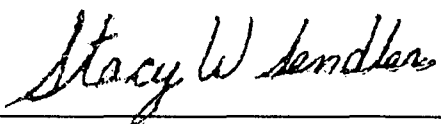
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-12-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	14.5	14.3	8.4	1.0%
Ethylbenzene	12.7	12.5	7.6	1.0%
p,m-Xylene	30.5	30.3	10.8	0.8%
o-Xylene	19.0	18.9	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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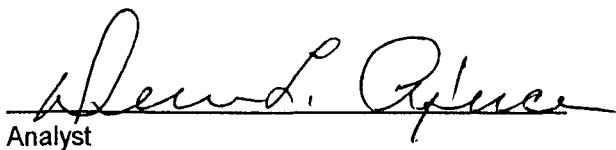
8020 Compounds

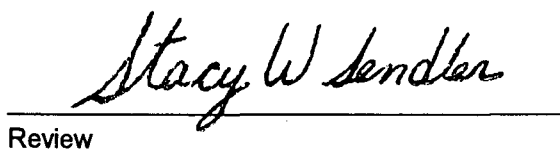
30 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool and Intact	Date Analyzed:	08-12-97

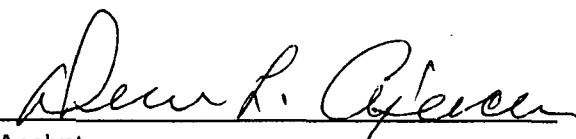
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	47.3	8.8	95%	39-150
Toluene	14.5	50.0	62.1	8.4	96%	46-148
Ethylbenzene	12.7	50.0	60.7	7.6	97%	32-160
p,m-Xylene	30.5	100	125	10.8	96%	46-148
o-Xylene	19.0	50.0	66.2	5.2	96%	46-148

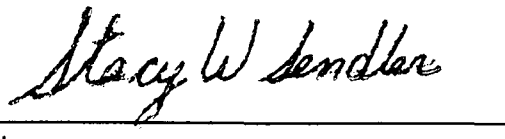
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

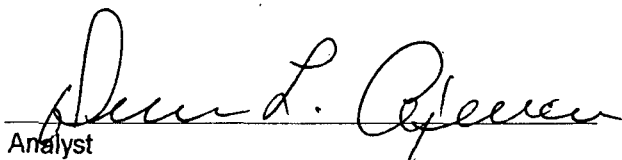
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-12-97
Laboratory Number:	08-11-PM-TPH.BLANK	Date Sampled:	08-06-97
Sample Matrix:	Methylene Chloride	Date Received:	08-06-97
Preservative:	N/A	Date Analyzed:	08-11-97
Condition:	N/A	Analysis Requested:	TPH

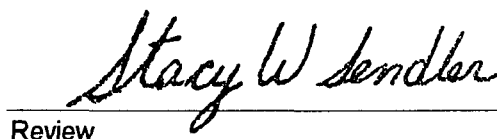
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	TPH

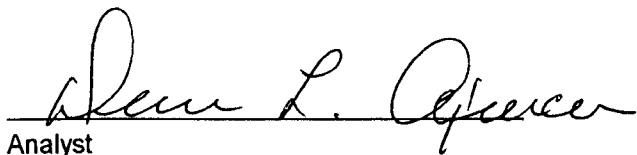
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	0.7	0.7	0.0%
Total Petroleum Hydrocarbons	0.7	0.7	0.0%

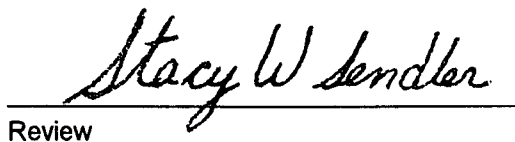
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-11-97
Condition:	N/A		

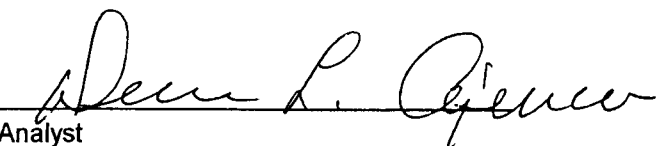
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	250	0.2	100%
Diesel Range (C10 - C28)	0.7	250	251	0.1	100%
Total Petroleum Hydrocarbons	0.7	500	501	0.2	100%

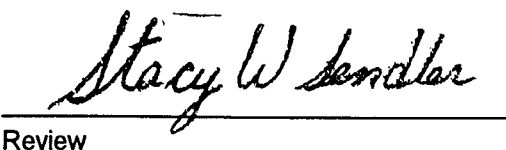
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Envirotech			Project Location Landform 2 Unit 4			ANALYSIS/PARAMETERS					
Sampler (Signature) <i>Murtime Hatters</i>			Chain of Custody Tape No. 91020-04 <i>04</i> 8-6-97			No. of Containers					
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix							Remarks
Cell A-1	8-6-97	09:30	6766	Soil	1	✓	✓				5pt. Composite Closure Samples
Cell B-1		09:40	6767		1	✓	✓				
Cell C-1		10:00	6768		1	✓	✓				
Cell D-1		10:10	6769		1	✓	✓				
Cell E-1		10:30	6770		1	✓	✓				
Cell F-1		10:40	6771		1	✓	✓				
Cell G-1		11:00	6772		1	✓	✓				
Cell H-1		11:10	6773		1	✓	✓				
Relinquished by: (Signature) <i>Murtime Hatters</i> All samples received cool & intact Date 8-6-97 Time 13:30 Receiver by: (Signature) <i>Robert D. Jensen</i> Date 8-6-97 Time 13:30											
Relinquished by: (Signature) Received by: (Signature)											

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

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Date : 12-28-97

Mr. Roger C. Anderson
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
FEB - 4 1998

OIL CON. DIV.
DIST. 3

Dear Mr. Anderson:

Envirotech Inc. respectfully requests "Discontinued Maintenance Status" (DMS) for the soils contained in the following cell(s) within the Envirotech Soil Remediation Facility (ERSF) Hilltop, New Mexico.

Generator Information:

Generator	Date	Source Location	Description	Vol yd ³
EPNG	8-23-95	Jicciella Acre #3	meter 74347 Separators in Del. Pit	88
"	8-24-95	" C-Comp. Disch	meter 74347	18
"	9-19-95	Jicciella 2C-94	Line Drain 40018	18
"	"	" A #8	meter 75428 Separators in Del. Pit	36

Sampling Documentation:

	1	2	3
F			
G	X	X	
H	X	X	

Landfarm # 2 Unit 4 Cell(s): G-1

Sample Date: 8-6-97 Sampler: CMW

Type: 5 Point Composite Analysis: BTEX,TPH

Results:

Sample ID	Pass/Fail	Benzene, mg/Kg (ppm)	Total BTEX, mg/Kg (ppm)	TPH, mg/Kg (ppm)
		4.0088	4.0108	40.2

Respectfully submitted,
Envirotech Inc.

Christine M. Walters
Christine M. Walters
Laboratory Technician

cc: Mr. Denny Foust, NMOCD Aztec, NM Office.

For State Use Only:

DMS has been granted for the cell or block of cells mentioned herein.

NMOCD Aztec _____

Date _____

NMOCD Santa Fe
...NacLan\form\oodms

Monty J. Kelly

Date 11/4/98

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 1	Date Reported:	08-13-97
Laboratory Number:	B772	Date Sampled:	08-06-97
Chain of Custody:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Analyzed:	08-12-97
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	ND	5.2
Total BTEX	ND	

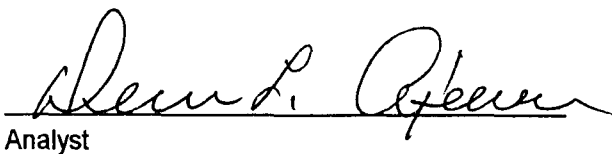
ND - Parameter not detected at the stated detection limit.

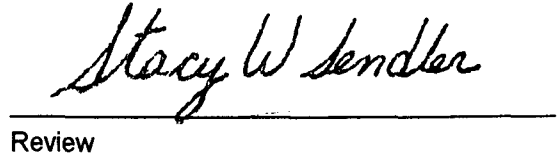
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

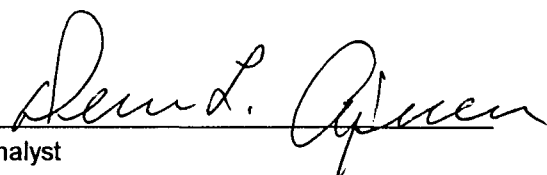
Client:	Envirotech	Project #:	91020-04
Sample ID:	Cell G - 1	Date Reported:	08-12-97
Laboratory Number:	B772	Date Sampled:	08-06-97
Chain of Custody No:	5340	Date Received:	08-06-97
Sample Matrix:	Soil	Date Extracted:	08-06-97
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

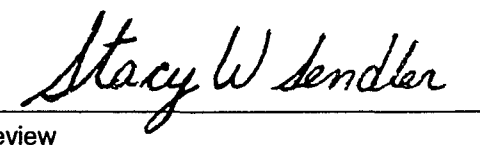
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Landfarm 2 Unit 4 Closure Sample. 5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-97
Laboratory Number:	08-12-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-97
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.2
o-Xylene	ND	0.1

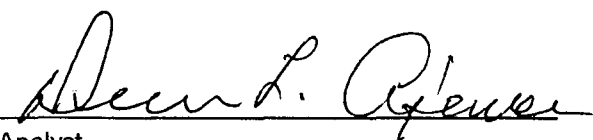
ND - Parameter not detected at the stated detection limit.

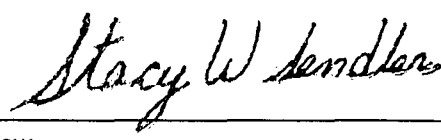
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-12-97
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	ND	ND	8.8	0.0%
Toluene	14.5	14.3	8.4	1.0%
Ethylbenzene	12.7	12.5	7.6	1.0%
p,m-Xylene	30.5	30.3	10.8	0.8%
o-Xylene	19.0	18.9	5.2	1.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
----------------------------	-----------	--------------------

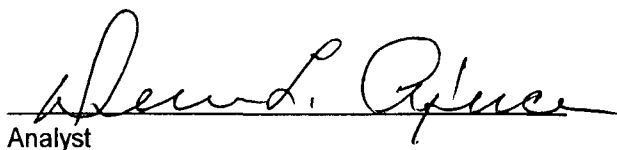
8020 Compounds

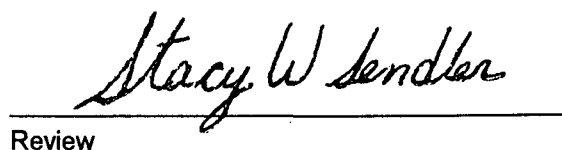
30 %

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-06-97
Condition:	Cool and Intact	Date Analyzed:	08-12-97

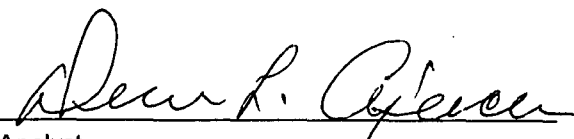
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	47.3	8.8	95%	39-150
Toluene	14.5	50.0	62.1	8.4	96%	46-148
Ethylbenzene	12.7	50.0	60.7	7.6	97%	32-160
p,m-Xylene	30.5	100	125	10.8	96%	46-148
o-Xylene	19.0	50.0	66.2	5.2	96%	46-148

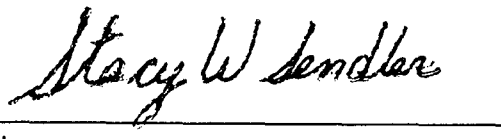
ND - Parameter not detected at the stated detection limit.

References: 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. 1994.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

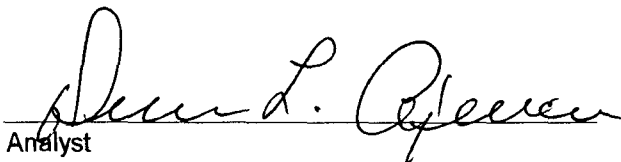
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-12-97
Laboratory Number:	08-11-PM-TPH.BLANK	Date Sampled:	08-06-97
Sample Matrix:	Methylene Chloride	Date Received:	08-06-97
Preservative:	N/A	Date Analyzed:	08-11-97
Condition:	N/A	Analysis Requested:	TPH

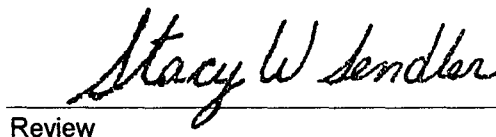
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-11-97
Condition:	Cool and Intact	Analysis Requested:	TPH

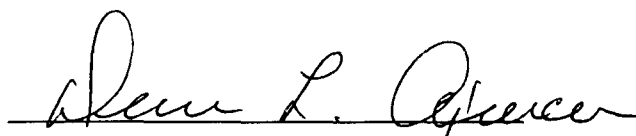
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	0.7	0.7	0.0%
Total Petroleum Hydrocarbons	0.7	0.7	0.0%

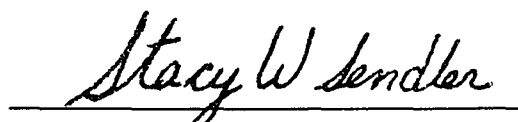
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Hydrocarbons Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-12-97
Laboratory Number:	B766	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-11-97
Condition:	N/A		

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	250	0.2	100%
Diesel Range (C10 - C28)	0.7	250	251	0.1	100%
Total Petroleum Hydrocarbons	0.7	500	501	0.2	100%

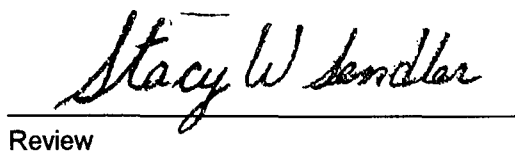
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples B766 - B773.


Analyst

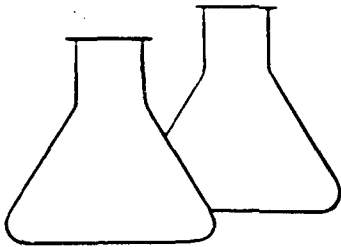

Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			ANALYSIS/PARAMETERS							
Envirotech			Landfarm 2 Unit 4										
Sampler: (Signature) <i>Christine Hatten</i>			Chain of Custody Tape No. 91020-04 04 8-6-97										
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						Remarks		
Cell A-1	8-6-97	09:30	8766	Soil	1	✓	✓					5pt. Composite Closure Samples	
Cell B-1		09:40	8767		1	✓	✓						
Cell C-1		10:00	8768		1	✓	✓						
Cell D-1		10:10	8769		1	✓	✓						
Cell E-1		10:30	8770		1	✓	✓						
Cell F-1		10:40	8771		1	✓	✓					I	
Cell G-1		11:00	8772		1	✓	✓						
Cell H-1		11:10	8773		1	✓	✓						
Relinquished by: (Signature) <i>Christine Hatten</i>			Date 8-6-97			Time 13:30			Receiver by: (Signature) <i>Robert D. Jensen</i>			Date 8-6-97	Time 13:30
Relinquished by: (Signature)									Received by: (Signature)				
Relinquished by: (Signature)									Received by: (Signature)				

All samples received cool - intact

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



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 #:	91020
Sample ID:	Middle Area	Date Reported:	11-30-93
Laboratory Number:	6531	Date Sampled:	11-19-93
Sample Matrix:	Soil	Date Received:	11-19-93
Preservative:	Cool	Date Analyzed:	11-29-93
Condition:	Cool & Intact	Analysis Needed:	Trace metals

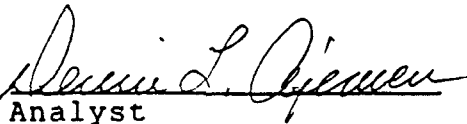
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	2.16	0.0001
BARIUM	116	0.01
CADMIUM	0.150	0.0001
CHROMIUM	2.08	0.0001
LEAD	3.51	0.0001
MERCURY	ND	0.0002
SELENIUM	0.020	0.0001
SILVER	ND	0.0001

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

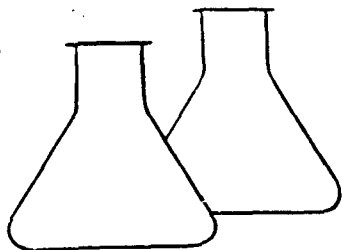
Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA 1992

ND - Parameter not detected at the stated detection limit.

Comments: Land Farm II, Expansion Area


Analyst


Review



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

Client:	NA	Project #:	NA
Sample ID:	Sample Spike	Date Reported:	11-24-93
Laboratory Number:	6531-S-BTEX	Date Sampled:	11-19-93
Sample Matrix:	Soil	Date Received:	11-19-93
Analysis Requested:	BTEX	Date Analyzed:	11-23-93
Condition:	NA		

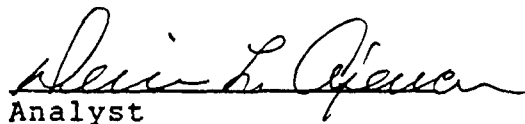
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	492	433	13.1	88	39-150
Toluene	ND	492	469	32.8	94	46-148
Ethylbenzene	ND	492	448	13.1	90	32-160
p,m-Xylene	ND	492	474	26.2	92	46-148
o-Xylene	ND	492	476	19.7	94	46-148

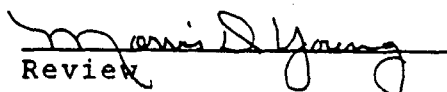
Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

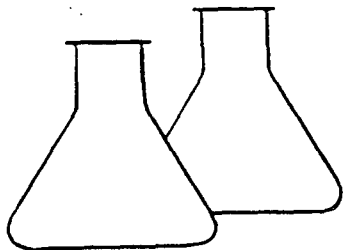
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-24-93
Laboratory Number:	1123AM.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-23-93
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	0.4
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	98 %

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

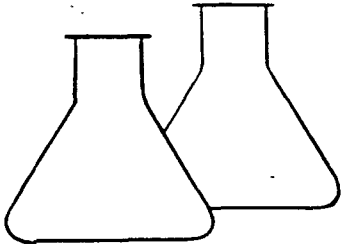
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gierke
Analyst

Morris D. Young
Review



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB1124	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	11-24-93
Preservative:	N/A	Date Reported:	11-24-93
Condition:	N/A	Analysis Needed:	TPH

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

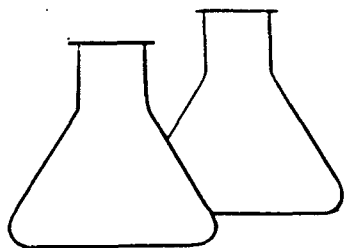
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Tony Tristano
Analyst

Marie D. Young
Review



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** QUALITY ASSURANCE REPORT

MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS1124	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	11-24-93
Analysis Requested:	TPH	Date Reported:	11-24-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	503	435	87

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

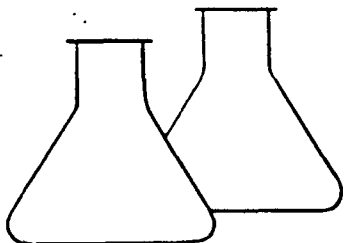
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Tony Tristano
Analyst

Meris A. Young
Review



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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QA/QC - DUPLICATE ANALYSIS

Client:	N/A	Project #:	N/A
Sample ID:	QA/QC Duplicate	Date Sampled:	N/A
Laboratory Number:	1124DUP	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	11-24-93
Preservative:	Cool	Date Reported:	11-24-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration, mg/kg		
-----	Duplicate	Original	Difference
-----	-----	-----	-----
Total Petroleum Hydrocarbons	12,900	12,800	1 %

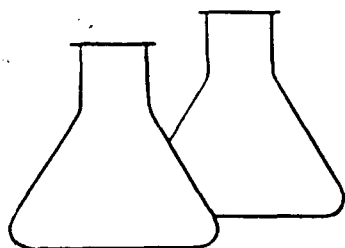
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Tony Tristano
Analyst

Mavis D. Young
Review



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

TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	12-01-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	12-01-93
Condition:	NA	Analysis Needed:	Trace Metals

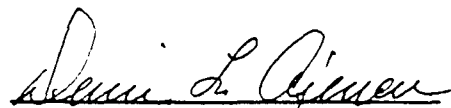
Parameter	Instrument Blank (mg/Kg)	Method Blank (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	ND	ND	0.0001
BARIUM	ND	ND	0.01
CADMIUM	ND	ND	0.0001
CHROMIUM	ND	ND	0.0001
LEAD	ND	ND	0.0001
MERCURY	ND	ND	0.0002
SELENIUM	ND	ND	0.0001
SILVER	ND	ND	0.0001

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

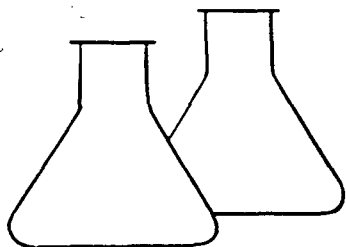
Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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QUALITY ASSURANCE REPORT

TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	12-01-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	Trace Metals	Date Analyzed:	12-01-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/Kg)	Sample Result (mg/Kg)	Spiked Sample Result (mg/Kg)	Percent Recovery
ARSENIC	0.100	0.0649	0.165	100
BARIUM	10.00	3.47	13.5	100
CADMIUM	0.050	0.0045	0.0549	101
CHROMIUM	0.100	0.0624	0.164	102
LEAD	0.100	0.105	0.205	100
MERCURY	0.050	ND	0.0507	101
SELENIUM	0.100	0.0006	0.101	100
SILVER	1.000	ND	0.986	99

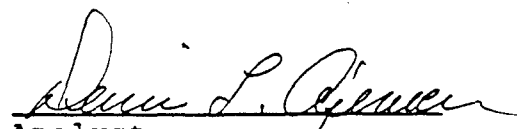
QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	Trace Metals	80 - 120

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

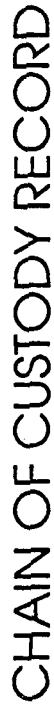
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



CHAIN OF CUSTODY RECORD

[illegible]

ENVIROTECH[®] INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

RECEIVED

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

'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

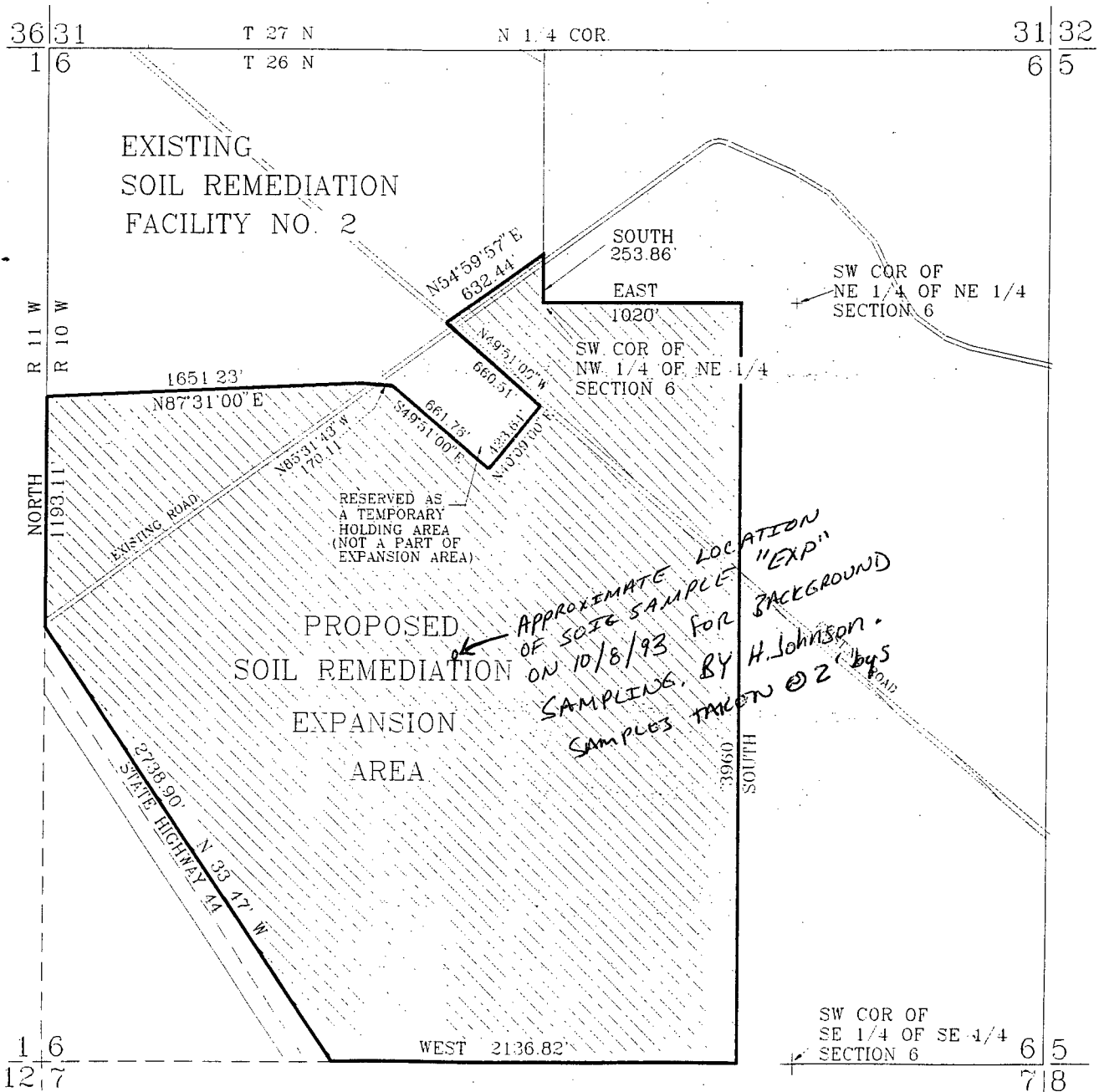
cc: Mr. Denny Foust, NMOCD Aztec, NM office.
File

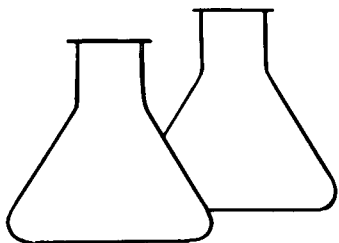
PLAT

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 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

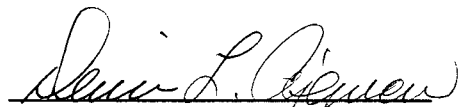
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	103 %

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

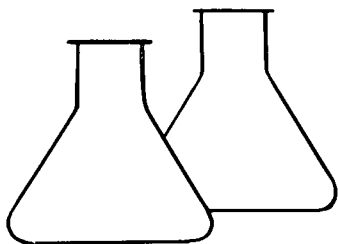
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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

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

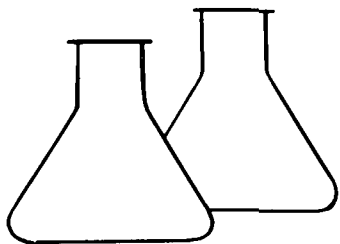
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Land Farm 2

Ar Chaharlang
Analyst

Monis 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

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

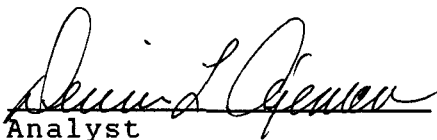
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	0.625	0.0001
BARIUM	ND	0.01
CADMIUM	0.055	0.0001
CHROMIUM	1.675	0.0001
LEAD	2.275	0.0001
MERCURY	0.020	0.0002
SELENIUM	0.095	0.0001

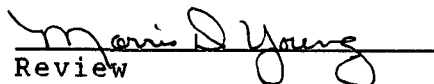
Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA 1992

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

Lab No.	Location	Depths	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	K ppm	Nitrate- Nitrogen ppm	Chloride		Alkalinity		S04	
									PE	meq/l	PE	meq/l	PE	meq/l
31971	EXP (3948)	0-0	1.22	0.40	0.94	1.04	0.10	2.26	0.15	0.37	0.37	3.77		

Abbreviations for extractants: PE= Saturated Paste Extract, H20Sol= water soluble, A8PTA= Ammonium Bicarbonate-DPTA, AA0= Acid Ammonium Oxalate
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage, Exch= Exchangeable, Avail= Available



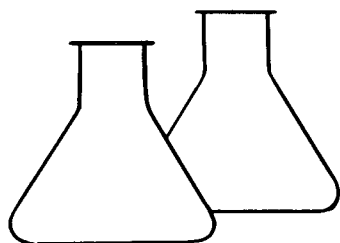
ENVIROTECH LABORATORIES



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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
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

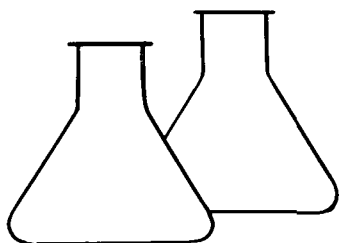
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Jensen
Analyst

Marie D. Young
Review



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

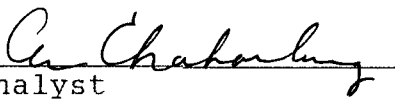
Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB1011	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	10-11-93
Preservative:	N/A	Date Reported:	10-11-93
Condition:	N/A	Analysis Needed:	TPH

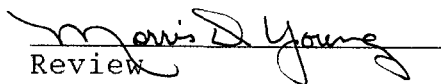
Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

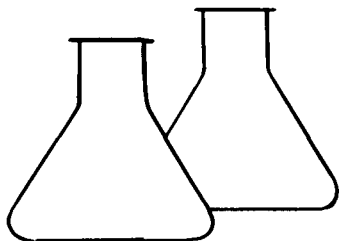
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:


Analyst


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

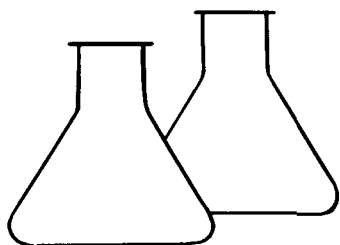
Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Gerner
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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

**** 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		

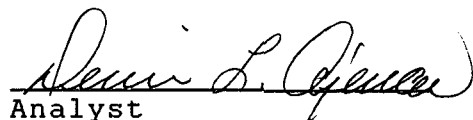
Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	12.6	20.0	31.1	0.2	95	39-150
Toluene	2.7	20.0	21.9	0.5	96	46-148
Ethylbenzene	3.0	20.0	22.5	0.2	98	32-160
p,m-Xylene	167.7	20.0	186.5	0.3	99	46-148
o-Xylene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

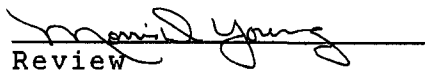
Method: Method 5030A, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

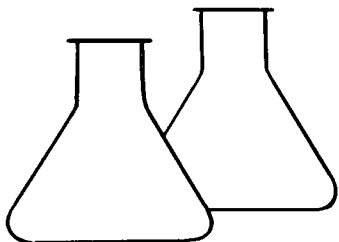
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

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

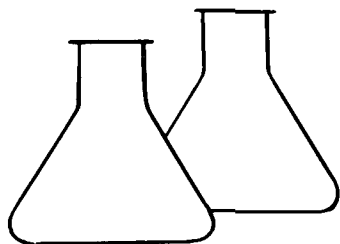
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

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

[illegible]

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

May 10, 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 Quarterly soil samples taken from each five (5) acre unit in Landfarm No. 2, that has contaminated soil in place. This is for the requirements set by our September 29, 1992 Rule 711 Permit.

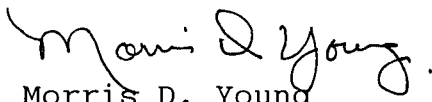
The samples were taken from approximately two feet (2') below the contaminated soil. An area of one square foot more or less was cleared of contaminated soil. Then the sample was obtained by hand auguring the two feet into the underlying soil.

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

The attached site diagram shows the location of where these samples were taken and the proposed location of future samples for each five (5) acre unit.

We appreciate working with you on this landfarm and the many other areas where you have been so helpful.

Sincerely,


Morris D. Young
President

enclosure

TABLE I

SOIL REMEDIATION SITE #2
MONITORING PROGRAM

BTEX in parts per billion

SAMPLE NO.	SAMPLE LOCATION	SAMPLE DATE	DATE FILLED	OVM in ppm	TPH (418.1) in ppm	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENE
1	B-04	4/27/93	12/92	59.6	6.8	ND	55	ND	103.3
2	B-08	4/27/93	12/92	123.3	6.8	ND	54	ND	79.6
3	G-03	4/27/93	12/92	27.5	5.2	ND	44.3	ND	41.4
4	G-06	4/27/93	12/92	22.6	5.1	ND	41.6	ND	51
5	H-11	4/27/93	12/92	23.4	7.8	ND	45.8	ND	169

NOTES:

OVM - Organic Vapor Meter.

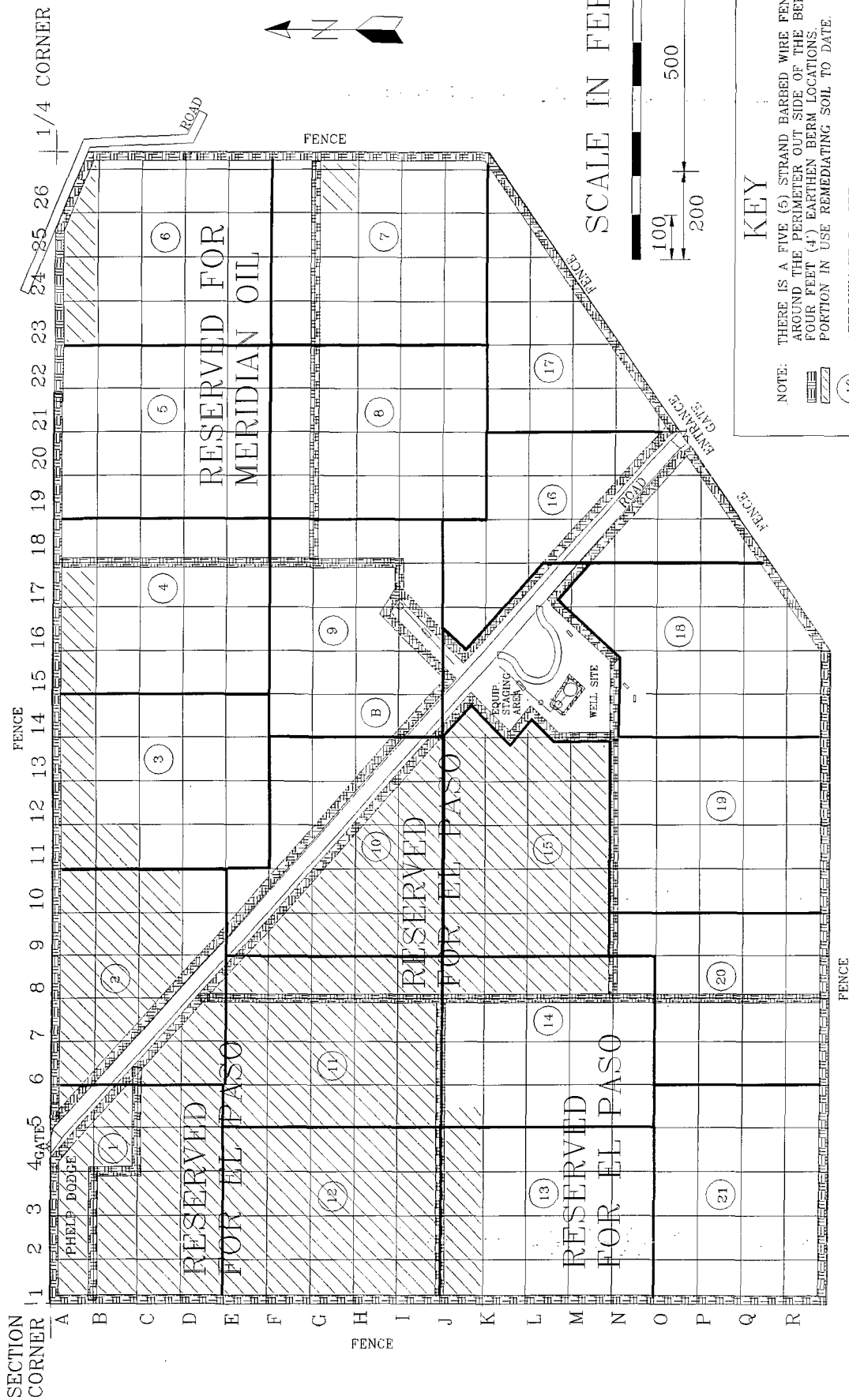
TPH - Total Petroleum Hydrocarbons.

BTEX - Benzene, Toluene, Ethyl Benzene, and Total Xylene.

OVM readings are in the top foot, and of contaminated soil.

All other readings are from approximately 2 feet below the original ground surface.

Soil description: Light brown, poorly graded, fine sand to coarse silt, non-cohesive, moist, soft, loose, and eolian in origin.

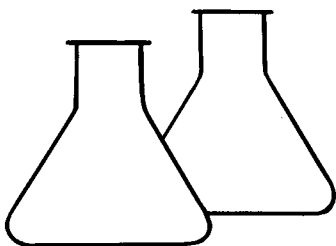


ENVIROTECH INC.
LAND FARM #2
SAMPLE LOCATIONS
FOR CONTROL

NORTHERN 100 ACRES
OF THE NORTHWEST
1/4 OF SECTION 6,
TOWNSHIP 26 NORTH,
RANGE 10 WEST, NMPM.

SITE PLAN

SHEET: 1	DRAWN: 4/27/93
DRAWN BY: JDD	PRJ MGR: HJ
FILE: 91020SP2	REV: 4/28/93



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 Inc.	Project #:	NA
Sample ID:	B - 4	Date Reported:	04-28-93
Laboratory Number:	5024	Date Sampled:	04-27-93
Sample Matrix:	Soil	Date Received:	04-27-93
Preservative:	Cool	Date Extracted:	04-28-93
Condition:	Cool & Intact	Date Analyzed:	04-28-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.1
Toluene	55	26.3
Ethylbenzene	ND	19.7
p,m-Xylene	77	26.3
o-Xylene	26.3	19.7

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	120 %
	Bromofluorobenzene	102 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

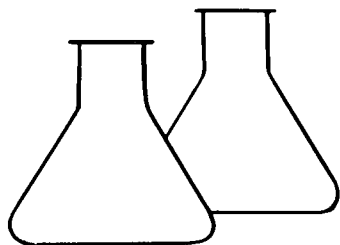
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm # 2.

Ar Chahalang
Analyst

Marion D Young
Review



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 Inc.	Project #:	NA
Sample ID:	B-4	Date Sampled:	04-27-93
Laboratory Number:	5024	Date Received:	04-27-93
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	Cool	Date Reported:	04-28-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	6.8	5.0

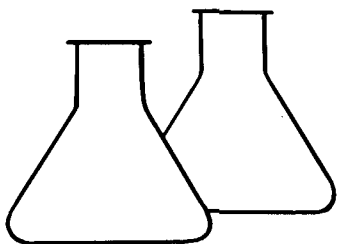
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Landfarm # 2.

A. Chaharlang
Analyst

Morris D. Young
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 Inc.	Project #:	NA
Sample ID:	B - 8	Date Reported:	04-28-93
Laboratory Number:	5025	Date Sampled:	04-27-93
Sample Matrix:	Soil	Date Received:	04-27-93
Preservative:	Cool	Date Extracted:	04-28-93
Condition:	Cool & Intact	Date Analyzed:	04-28-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.5
Toluene	54	26.9
Ethylbenzene	ND	20.2
p,m-Xylene	58	26.9
o-Xylene	21.6	20.2

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	116 %
	Bromofluorobenzene	99 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

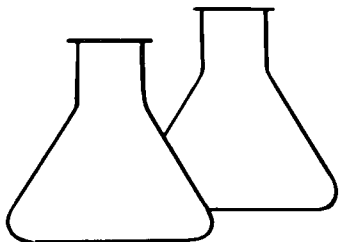
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm # 2.

Ar Chaharlang
Analyst

Marion D Young
Review



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 Inc.	Project #:	NA
Sample ID:	B-8	Date Sampled:	04-27-93
Laboratory Number:	5025	Date Received:	04-27-93
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	Cool	Date Reported:	04-28-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	6.8	5.0

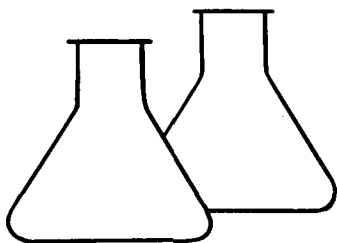
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Landfarm # 2.

As Chaharlang
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech Inc.	Project #:	NA
Sample ID:	G - 3	Date Reported:	04-28-93
Laboratory Number:	5026	Date Sampled:	04-27-93
Sample Matrix:	Soil	Date Received:	04-27-93
Preservative:	Cool	Date Extracted:	04-28-93
Condition:	Cool & Intact	Date Analyzed:	04-28-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	12.9
Toluene	44.3	25.7
Ethylbenzene	ND	19.3
p,m-Xylene	41.4	25.7
o-Xylene	ND	19.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	112 %
	Bromofluorobenzene	103 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

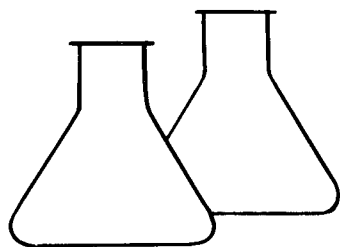
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm # 2.

A. Chahar
Analyst

Morris D. Young
Review



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

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Envirotech Inc.	Project #:	NA
Sample ID:	G-3	Date Sampled:	04-27-93
Laboratory Number:	5026	Date Received:	04-27-93
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	Cool	Date Reported:	04-28-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	5.2	5.0

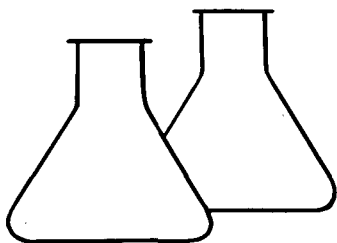
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Landfarm # 2.

A. Chaharlang
Analyst

Mavis D. Young
Review



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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech Inc.	Project #:	NA
Sample ID:	G - 6	Date Reported:	04-28-93
Laboratory Number:	5027	Date Sampled:	04-27-93
Sample Matrix:	Soil	Date Received:	04-27-93
Preservative:	Cool	Date Extracted:	04-28-93
Condition:	Cool & Intact	Date Analyzed:	04-28-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.0
Toluene	41.6	26.1
Ethylbenzene	ND	19.6
p,m-Xylene	51	26.1
o-Xylene	ND	19.6

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	104 %
	Bromofluorobenzene	95 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

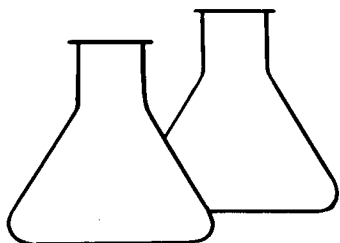
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm # 2.

Lu Chaharling
Analyst

Mary 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:	Envirotech Inc.	Project #:	NA
Sample ID:	G-6	Date Sampled:	04-27-93
Laboratory Number:	5027	Date Received:	04-27-93
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	Cool	Date Reported:	04-28-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	5.1	5.0

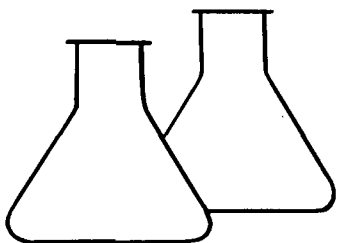
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Landfarm # 2.

A. Chaharlang
Analyst

Morris D. Young
Review



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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Envirotech Inc.	Project #:	NA
Sample ID:	H - 11	Date Reported:	04-28-93
Laboratory Number:	5028	Date Sampled:	04-27-93
Sample Matrix:	Soil	Date Received:	04-27-93
Preservative:	Cool	Date Extracted:	04-28-93
Condition:	Cool & Intact	Date Analyzed:	04-28-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	12.9
Toluene	45.8	25.8
Ethylbenzene	ND	19.4
p,m-Xylene	119	25.8
o-Xylene	50	19.4

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	114 %
	Bromofluorobenzene	100 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

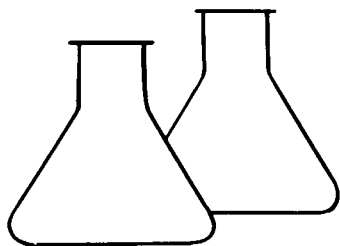
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm # 2.

Ac Chaharling
Analyst

Maris D. Young
Review



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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Envirotech Inc.	Project #:	NA
Sample ID:	H-11	Date Sampled:	04-27-93
Laboratory Number:	5028	Date Received:	04-27-93
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	Cool	Date Reported:	04-28-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	7.8	5.0

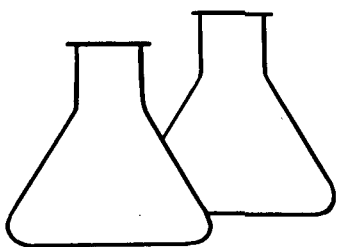
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Landfarm # 2.

Ar Chahaulang
Analyst

Mavis D. Young
Review



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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:	04-28-93
Laboratory Number:	0428AM.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	04-28-93
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.4
Ethylbenzene	ND	0.3
p,m-Xylene	ND	0.4
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	116 %
	Bromofluorobenzene	90 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

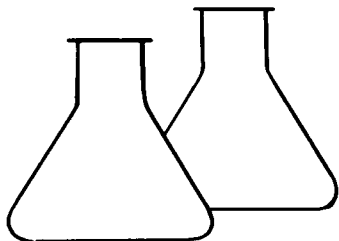
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

As Chaharlang
Analyst

Maria D. Young
Review



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0428	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Preservative:	N/A	Date Reported:	04-28-93
Condition:	N/A	Analysis Needed:	TPH

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

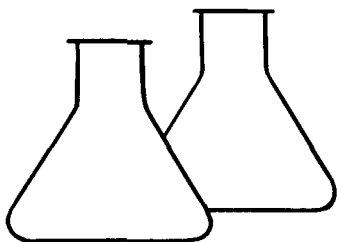
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chaharlang
Analyst

Moni 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:	04-28-93
Laboratory Number:	5023	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Analysis Requested:	BTEX	Date Analyzed:	04-28-93
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	ND	20.0	20.4	0.2	101	39-150
Toluene	2.6	20.0	20.9	0.4	92	46-148
Ethylbenzene	0.3	20.0	19.8	0.3	98	32-160
p,m-Xylene	2.2	20.0	19.9	0.4	90	46-148
o-Xylene	0.9	20.0	19.8	0.3	94	46-148

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

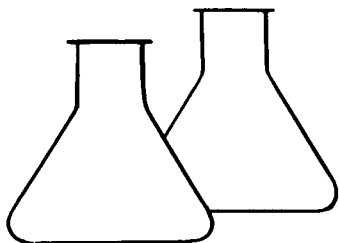
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

A. Chahar
Analyst

Monica Young
Review



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** QUALITY ASSURANCE REPORT

MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0428	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	04-28-93
Analysis Requested:	TPH	Date Reported:	04-28-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	484	350	72

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	70 - 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:

A. Chaharlang
Analyst

Morris D. Young
Review

ENVIROTECH[®] INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

RECEIVED
1993 APR 28 AM 8 47

April 26, 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 background soil sample of Landfarm No. 2 as required by our September 29, 1992 Rule 711 permit.

Initially Cell F-17 was sampled. The background levels were higher than anticipated for TPH and Total Metals. This site was close to a former natural gas well pad. Subsequently a second sample was taken from Cell H-14 which we believe is more representative of the actual average background of the facility.

We appreciate working with your on this landfarm and the many other areas where you have been so helpful.

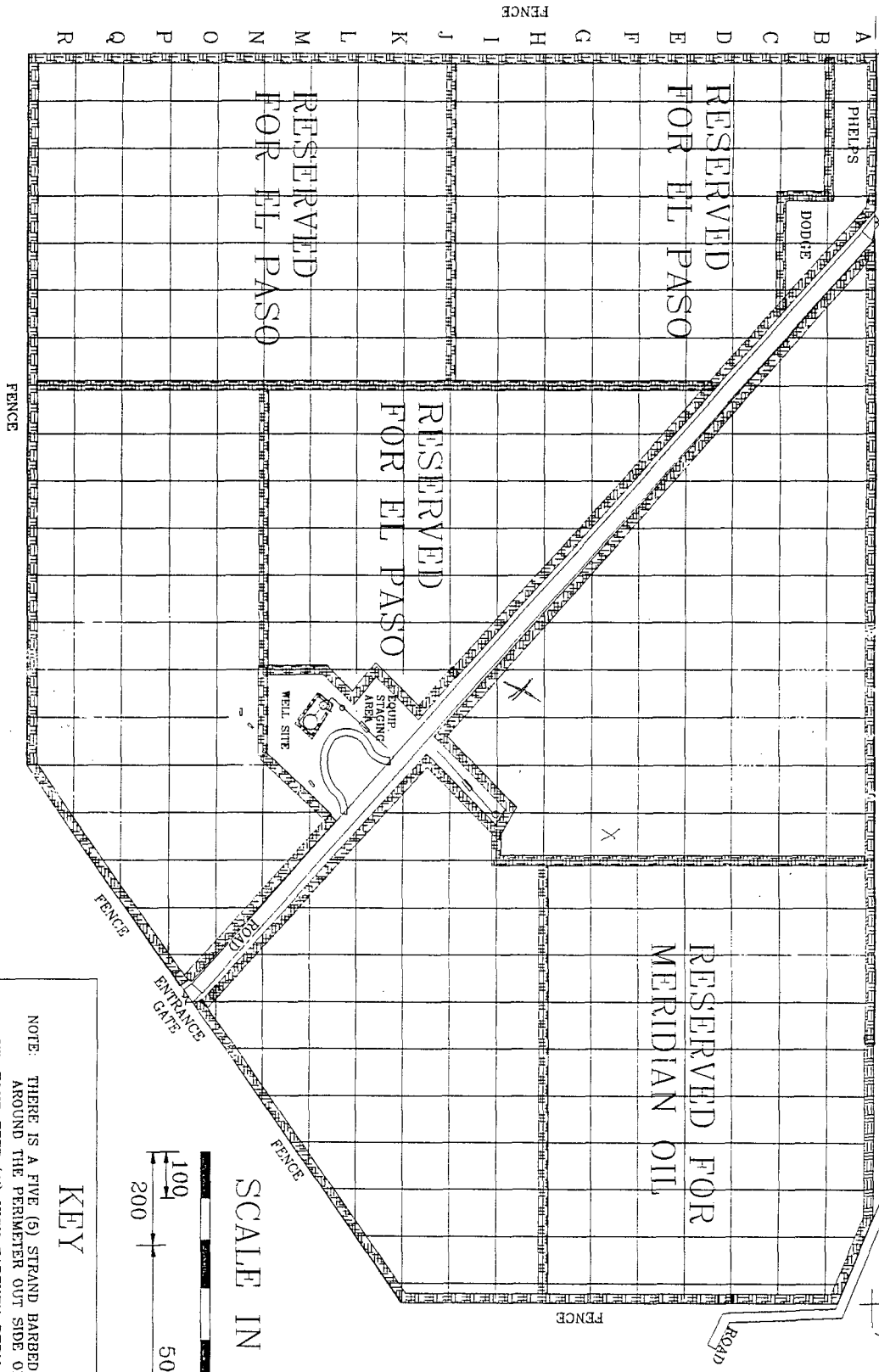
Sincerely,



Morris D. Young
President

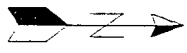
enclosure

SECTION CORNER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 1/4 CORNER



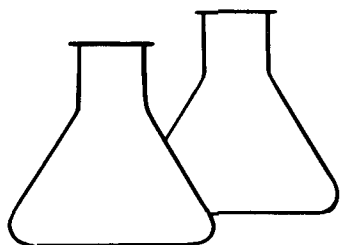
KEY
NOTE: THERE IS A FIVE (5) STRAND BARBED WIRE FENCE AROUND THE PERIMETER OUT SIDE OF THE BERM.
FOUR FEET (4') HIGH EARTHEN BERM LOCATIONS.

SCALE IN FEET
100 200 500



ENVIROTECH INC.
LAND FARM
NO. 2

NORTHERN 100 ACRES OF THE
NORTHWEST 1/4 OF SECTION
6, TOWNSHIP 26 NORTH,
RANGE 10 WEST, NMPM.



ENVIROTECH LABS

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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Envirotech	Project #:	NA
Sample ID:	H-14	Date Sampled:	04-20-93
Laboratory Number:	4963	Date Received:	04-21-93
Sample Matrix:	Soil	Date Analyzed:	04-22-93
Preservative:	Cool	Date Reported:	04-22-93
Condition:	Cool & Intact	Analysis Needed:	TPH

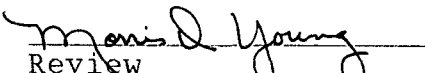
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	5.5	5.0

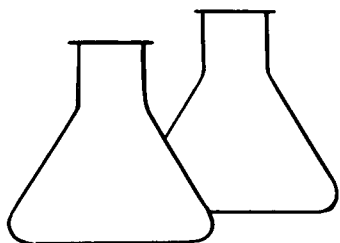
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm #2, Hilltop, New Mexico.


Analyst


Review



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TRACE METAL ANALYSIS

Client:	Envirotech	Project #:	NA
Sample ID:	H - 14	Date Reported:	04-21-93
Laboratory Number:	4963	Date Sampled:	04-20-93
Sample Matrix:	Soil	Date Received:	04-21-93
Preservative:	Cool	Date Analyzed:	04-21-93
Condition:	Cool & Intact	Analysis Needed:	Trace metals

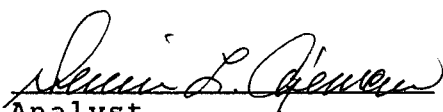
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	ND	0.0001
BARIUM	ND	0.01
CADMIUM	0.0005	0.0001
CHROMIUM	ND	0.0001
LEAD	0.0053	0.0001
MERCURY	0.0012	0.0002
SELENIUM	ND	0.0001
SILVER	ND	0.001

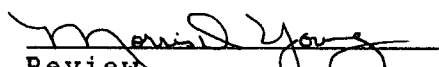
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

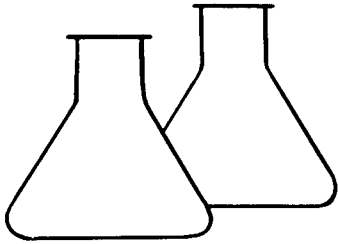
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

ND - Parameter not detected at the stated detection limit.

Comments: Land Farm #1, Hilltop, New Mexico


Analyst


Review



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0422	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	04-22-9
Preservative:	N/A	Date Reported:	04-22-9
Condition:	N/A	Analysis Needed:	TPH

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

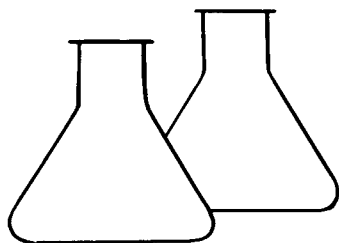
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chaharlag
Analyst

Moni D. Young
Review



ENVIROTECH LABS

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

TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	04-22-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	04-21-93
Condition:	NA	Analysis Needed:	Trace Metals

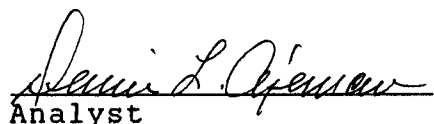
Parameter	Instrument Blank (mg/Kg)	Method Blank (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	ND	ND	0.0001
BARIUM	ND	ND	0.01
CADMIUM	ND	ND	0.0001
CHROMIUM	ND	ND	0.0001
LEAD	ND	ND	0.0001
MERCURY	ND	ND	0.0002
SELENIUM	ND	ND	0.0001
SILVER	ND	ND	0.001

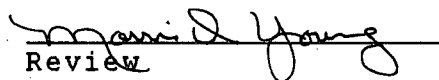
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

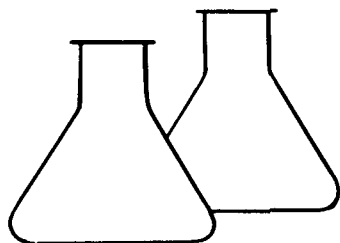
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

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

** QUALITY ASSURANCE REPORT

MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Sampled:	NA
Laboratory Number:	TPSS405S	Date Received:	NA
Sample Matrix:	Soil	Date Analyzed:	04-22-93
Analysis Requested:	TPH	Date Reported:	04-22-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	484	491	101

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

ND - Parameter not detected at the stated detection limit.

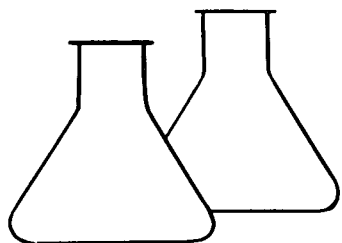
Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments:

Ae Chaharlag
Analyst

Monis J. Young
Review

San Juan repro Form 578-81



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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Envirotech	Project #:	NA
Sample ID:	#1 Cell F-17 @ 2'	Date Sampled:	03-19-93
Laboratory Number:	4816	Date Received:	03-19-93
Sample Matrix:	Soil	Date Analyzed:	03-22-93
Preservative:	Cool	Date Reported:	03-22-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	16.3	5.0

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

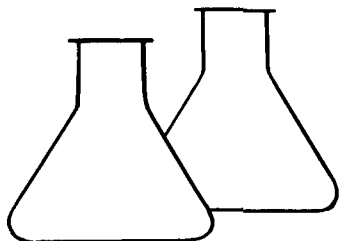
ND - Parameter not detected at the stated detection limit.

Comments: Landfarm #2 F-17
Baseline Sample



Analyst

Review



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MODIFIED EPA METHOD 8015
NONHALOGENATED VOLATILE ORGANICS
TOTAL PETROLEUM HYDROCARBONS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-29-93
Laboratory Number:	0326TPH.BLK	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-26-93
Condition:	NA	Analysis Requested:	TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
-----	-----	-----
Gasoline Range C5 - C10	ND	0.1
Diesel Range C10 - C28	ND	0.1
C28 - C36 Range	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

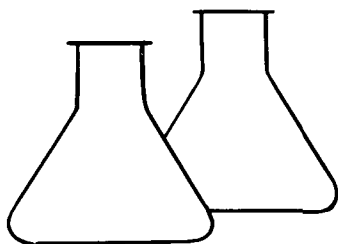
Method: Method 8015, Nonhalogenated Volatile Organics,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gienew
Analyst

Margaret D. Young
Review



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MODIFIED EPA METHOD 8015 NONHALOGENATED VOLATILE ORGANICS

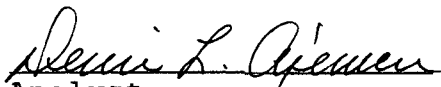
Client:	Envirotech	Project #:	NA
Sample ID:	#1 Cell F-17 @ 2'	Date Reported:	03-29-93
Laboratory Number:	4816	Date Sampled:	03-19-93
Sample Matrix:	Soil	Date Received:	03-19-93
Preservative:	Cool	Date Analyzed:	03-26-93
Condition:	Cool and Intact	Analysis Requested:	TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
-----	-----	-----
Gasoline Range (C5 - C10)	ND	0.1
Diesel Range (C10 - C28)	18.3	0.1
C28 - C36 Range	ND	0.1
Total Petroleum Hydrocarbons	18.3	0.1

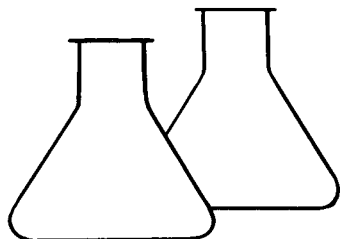
Method: Method 8015, Nonhalogenated Volatile Organics,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: Landfarm #2 F-17, Base Line Sample


Analyst


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TRACE METAL ANALYSIS

Client:	Envirotech Land Farm	Project #:	NA
Sample ID:	#1 Cell F-17 @ 2'	Date Reported:	03-26-93
Laboratory Number:	4816	Date Sampled:	03-19-93
Sample Matrix:	Soil	Date Received:	03-19-93
Preservative:	Cool	Date Analyzed:	03-26-93
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

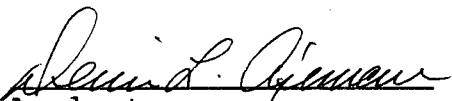
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
ARSENIC	0.70	0.001
BARIUM	27.0	0.1
CADMIUM	2.26	0.001
CHROMIUM	8.02	0.001
LEAD	3.66	0.001
MERCURY	3.40	0.002
SELENIUM	0.50	0.001
SILVER	ND	0.01

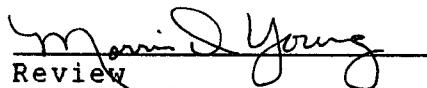
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

Methods 7060A, 7080A, 7131A, 7191, 7470A, 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

Client: **Envirotech**
Sample ID: **Landfarm#2**
Laboratory ID: **26905**
Sample Matrix: **Water**
Condition: **Cool/Intact**

Date Reported: **04/07/93**
Date Sampled: **03/19/93**
Time Sampled: **1235**
Date Received: **03/30/93**

Parameter	Analytical Result	Units	Units	
Lab pH.....	6.9	s.u.		
Lab Conductivity @ 25° C.....	248	umhos/cm		
Total Dissolved Solids @ 180°C.....	<10	mg/L		
Total Dissolved Solids (Calc).....	<10	mg/L		
Total Alkalinity as CaCO ₃	87	mg/L		
Total Hardness as CaCO ₃	<1	mg/L		
Bicarbonate as HCO ₃	106	mg/L	1.74	meq/L
Carbonate as CO ₃	0	mg/L	0.00	meq/L
Hydroxide as OH.....	0	mg/L	0.00	meq/L
Chloride.....	5.1	mg/L	0.14	meq/L
Sulfate.....	86	mg/L	1.80	meq/L
Calcium.....	69	mg/L	1.73	meq/L
Magnesium.....	11	mg/L	0.47	meq/L
Potassium.....	5.1	mg/L	0.13	meq/L
Sodium.....	11	mg/L	0.46	meq/L
Cations.....			2.79	meq/L
Anions.....			3.68	meq/L
Cation/Anion Difference.....			13.76	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Reviewed by _____