Nevada
Environmental
Restoration
Project

DOE/NV-11718-166 - Vol 2
UC-700

RECEIVED
NOV 27 1998
OST RECEIVER
NOV 27 1998
OST

Closure Report for CAU 93: Area 6 Steam Cleaning Effluent Ponds Nevada Test Site

Volume II

Controlled Copy No. **UNCONTROLLED COPY**

Revision: 0

November 1997

Environmental Restoration
Division

U.S. Department of Energy
Nevada Operations Office

This report has been reproduced from the best available copy.

DOE and DOE contractors can obtain copies of this report from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831, (423) 576-8401.

This report is publicly available from the National Technical Information Service, U. S. Department of Commerce, 5285 Port Royal Road, Springfield, VA, 22161, (703) 487-4650.

APPENDIX B

DATA SUMMARY SHEETS

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MASTER

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

Appendix B provides all of the laboratory summary data sheets, this information is not provided within Volume I of the report. The laboratory data summary sheets have not been included in Volume I. This information is provided in Volume II of the Closure Report for CAU 93: Area 6 Steam Cleaning Effluent Ponds, Nevada Test Site and is available upon request.

Appendix B is composed of all of the laboratory data summary sheets for the Area 6 SECPs closure activities. Appendix B has been organized so that all of the analytical data for the closure of each component of CAU 93 are grouped together. At the start of each section a summary table has been provided. If specific QA/QC information is required, the complete analytical data packages are available upon request through the DOE/NV Environmental Restoration Division.

VOLUME 2
APPENDIX B

TABLE 1 ANALYTICAL DATA

TABLE 1: SUMMARY OF NORTH SCEP PIPELINE VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M*			VOCS ^b (mg/kg)	TCLP ^c METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
BUILDING 6-623 STEAM CLEANING PAD SAMPLES COLLECTED JULY 17, 1997							
Collected Below Pipe Joint	NSCEP-SP-001	0-15.2 [0-6]	ND	ND	ND	NA	NA
Collected Below Pipe Joint	NSCEP-SP-002	0-15.2 [0-6]	ND	ND	ND	NA	NA
Collected Below Pipe Joint	NSCEP-SP-003 (Duplicate of 002)	0-15.2 [0-6]	ND	ND	36	NA	NA
LAYOUT PAD GREASE TRAP SAMPLES COLLECTED JULY 21-22, 1997							
Below West Pipe Joint	NSCEP-LP-001	0-15.2 [0-6]	ND	ND	ND	NA	NA
Below East Pipe Joint	NSCEP-LP-002	0-15.2 [0-6]	ND	ND	ND	NA	NA
Below West End of Grease Trap	NSCEP-LP-003	0-15.2 [0-6]	ND	ND	ND	NA	NA
Below East End of Grease Trap	NSCEP-LP-004	0-15.2 [0-6]	ND	ND	ND	NA	NA
TEST PAD SAMPLES COLLECTED JULY 22, 1997							
Below North Pipe Joint	NSCEP-TP-001	0-15.2 [0-6]	ND	ND	ND	NA	NA
Below North Pipe Joint	NSCEP-TP-002	0-15.2 [0-6]	ND	ND	ND	NA	NA
BUILDING 6-623 GREASE TRAP SAMPLES COLLECTED MAY 19, 1997							
Below West Bottom of Grease Trap	6-623-GT-01	304 [120]	ND	ND	ND	ND	Ba 0.552 Ag 0.026
Below West Bottom of Grease Trap	6-623-GT-02 (Dulicate of -01)	304 [120]	ND	ND	ND	ND	Ba 0.556 Ag 0.020

TABLE 1: SUMMARY OF NORTH SCEP PIPELINE VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCs ^b (mg/kg)	TCLP ^c METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
BUILDING 6-623 GREASE TRAP SAMPLES COLLECTED MAY 19, 1997 (CONT.)							
Below East Bottom of Grease Trap	6-623-GT-03	304 [120]	ND	ND	ND	ND	Ba 0.572
Below Bottom of Grease Trap	6-623-GT-04	304 [120]	ND	ND	ND	ND	Ba 0.715
Below Bottom of Grease Trap	6-623-GT-05	304 [120]	ND	ND	ND	ND	Ba 0.550

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

^b **VOCs:** Volatile Organic Compounds.

^c **TCLP:** Toxicity Characteristic Leaching Procedure.

Ba Barium

Ag Silver

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

NA: Not Analyzed

cm: centimeter

mg/kg: milligrams per kilogram

mg/l: milligrams per liter

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-SP-1

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: SAS No.: SDG No.: V253
 Matrix: (soil/water) SOIL Lab Sample ID: 15396-001
 Sample wt/vol: 1.0 (g/ml) G Lab File ID:
 Level: (low/med) LOW Date Sampled: 07-17-97
 Moisture: not dec. Date Analyzed: 07-31-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

- U: Concentration of analyte is less than the value given.
 V: Pattern reasonably matches gasoline
 W: Pattern appears to be multi-peaks, but does not match gasoline
 X: Concentration is primarily from a single peak
 (1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-SP-1

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V253

Matrix : (soil/water) SOIL

Lab Sample ID: 15396-001

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-17-97

% Moisture: not dec. dec.

Date Extracted: 07-31-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-08-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-SP-2

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V253
Matrix: (soil/water) SOIL Lab Sample ID: 15396-002
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 07-17-97
Moisture: not dec. _____ Date Analyzed: 07-31-97
Dilution Factor: 1.0

SAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

- U: Concentration of analyte is less than the value given.
X: Pattern reasonably matches gasoline
! Pattern appears to be multi-peaks, but does not match gasoline
! Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-SP-2

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V253

Matrix : (soil/water) SOIL

Lab Sample ID: 15396-002

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-17-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-31-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-08-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
<u>DIESEL</u>		<u>25</u>	<u>U</u>
<u>WASTE OIL</u>		<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000010

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-SP-3

Lab Name: Quanterra, MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V253

Matrix: (soil/water) SOIL Lab Sample ID: 15396-003

Sample wt/vol: 1.0 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 07-17-97

Moisture: not dec. Date Analyzed: 07-31-97

Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u> </u> LBH (1) <u> </u>	<u> </u> 500 <u> </u>	<u> </u> U. <u> </u>

- U: Concentration of analyte is less than the value given.
 : Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak
- 1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-SP-3

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V253

Matrix : (soil/water) SOIL

Lab Sample ID: 15396-003

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-17-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-31-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-08-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	DIESEL	25	U
	WASTE OIL	36	

U: Concentration of analyte is less than the value given.

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-TP-1

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V256
 Matrix : (soil/water) SOIL Lab Sample ID: 15408-001
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-22-97
 Moisture: not dec. _____ Date Analyzed: 08-01-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. Compound (ug/L or ug/Kg) UG/KG Q

LBH (1)	500	U.
---------	-----	----

- U: Concentration of analyte is less than the value given.
- {: Pattern reasonably matches gasoline
- /: Pattern appears to be multi-peaks, but does not match gasoline
- Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

ID
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-TP-1

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V256

Matrix : (soil/water) SOIL

Lab Sample ID: 15408-001

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-22-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-18-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000007

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-TP-2

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: SAS No.: SDG No.: V256
 Matrix: (soil/water) SOIL Lab Sample ID: 15408-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID:
 Level: (low/med) LOW Date Sampled: 07-22-97
 Moisture: not dec. Date Analyzed: 08-01-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u> </u> LBH (1) <u> </u>	<u> </u> 500 <u> </u>	<u> </u> U <u> </u>
<u> </u>	<u> </u>	<u> </u>

U: Concentration of analyte is less than the value given.
 V: Pattern reasonably matches gasoline
 W: Pattern appears to be multi-peaks, but does not match gasoline
 X: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-TP-2

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V256

Matrix : (soil/water) SOIL

Lab Sample ID: 15408-002

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-22-97

% Moisture: not dec. dec.

Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-18-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000011

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-LP-1

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V254
 Matrix: (soil/water) SOIL Lab Sample ID: 15397-001
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-21-97
 Moisture: not dec. _____ Date Analyzed: 08-01-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.
 : Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 z: Concentration is primarily from a single peak
 (1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

EPA SAMPLE NO.
NSCEP-LP-1

Contract: 625.01

Lab Sample ID: 15397-001

Lab File ID: _____

Date Sampled: 07-21-97

Date Extracted: 08-04-97

Date Analyzed: 08-05-97

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg

DIESEL	25	U
WASTE OIL	25	U

FORM I HBH

000007

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-LP-2

Lab Name: Quanterra, MO Contract: 625.01
L) Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V254
Matrix : (soil/water) SOIL Lab Sample ID: 15397-002
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 07-21-97
% moisture: not dec. _____ Date Analyzed: 08-01-97
Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.
Pattern reasonably matches gasoline
Pattern appears to be multi-peaks, but does not match gasoline
Z: Concentration is primarily from a single peak
|): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000010

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-LP-2

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V254

Matrix : (soil/water) SOIL

Lab Sample ID: 15397-002

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-21-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 08-04-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-05-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1D
LBH ANALYSIS DATA SHEET

correct #
NSCEP-LP-3
EPA SAMPLE NO.

NSCEP-TP-3

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: SAS No.: SDG No.: V256
Matrix: (soil/water) SOIL Lab Sample ID: 15408-003
Sample wt/vol: 1.0 (g/ml) G Lab File ID:
Level: (low/med) LOW Date Sampled: 07-22-97
Moisture: not dec. Date Analyzed: 08-04-97
Dilution Factor: 1.0

SAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

LBH (1)

500

u

U: Concentration of analyte is less than the value given.
P: Pattern reasonably matches gasoline
M: Pattern appears to be multi-peaks, but does not match gasoline
L: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000020

1D
HBH ANALYSIS DATA SHEET

lot #
NSCEP-LP-3
EPA SAMPLE NO.
NSCEP-TP-3

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V256

Matrix : (soil/water) SOIL Lab Sample ID: 15408-003

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 07-22-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 08-19-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	mg/kg	
	<u>DIESEL</u>	<u>25</u>		<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>		<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000014

1D
LBH ANALYSIS DATA SHEET

lot #

NSCEP-LP-4

EPA SAMPLE NO.

NSCEP-TP-4

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V256
Matrix: (soil/water) SOIL Lab Sample ID: 15408-004
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 07-22-97
Moisture: not dec. _____ Date Analyzed: 08-01-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U: Concentration of analyte is less than the value given.
X: Pattern reasonably matches gasoline
Y: Pattern appears to be multi-peaks, but does not match gasoline
Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000016

1D
HBH ANALYSIS DATA SHEET

Collect #
NSCEP-LP-4
EPA SAMPLE NO.

NSCEP-TP-4

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V256

Matrix : (soil/water) SOIL

Lab Sample ID: 15408-004

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-22-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-19-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000017

LABORATORY 1D LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-01

Contract: 625.01

Job Name: Quanterra.MO

SAS No.: _____ SDG No.: V216

Lab Code: ITMO Case No.: _____

Lab Sample ID: 14697-001

Matrix: (soil/water) SOIL

Lab File ID: _____

Sample wt/vol: 1.0 (g/ml) G

Date Sampled: 05-19-97

Level: (low/med) LOW

Date Analyzed: 05-27-97

Moisture: not dec. _____

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. Compound

CAS NO.	Compound	Q
	LBH (1)	500
		U

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000006

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-01

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216

Matrix : (soil/water) SOIL

Lab Sample ID: 14697-001

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 05-19-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-28-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000007

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-01

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Media: (soil/water) SOIL

Lab Sample ID: 14697-001

Conc: (wt/vol): 5.00 (g/mL) G

Lab File ID: G6545

Level: (low/med) LOW

Date Received: 05/21/97

Disturbance: not dec.

Date Analyzed: 05/31/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-88-3-----	Toluene	2	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-01

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-001

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G6545

Level: (low/med) LOW

Date Received: 05/21/97

% Moisture: not dec.

Date Analyzed: 05/31/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1
INORGANIC ANALYSES DATA SHEET

6-623-GT-01

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

Before: _____ Clarity Before: _____ Texture: _____
After: _____ Clarity After: _____ Artifacts: _____
S: _____

TCLP

000004

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-02

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: SAS No.: SDG No.: V216
 Matrix: (soil/water) SOIL Lab Sample ID: 14697-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID:
 Level: (low/med) LOW Date Sampled: 05-19-97
 * Moisture: not dec. Date Analyzed: 05-27-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
	LBH (1)	500	U

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000010

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
6-623-GT-02

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216

Matrix: (soil/water) SOIL Lab Sample ID: 14697-002

Sample wt/vol: 20.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 05-19-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-28-97

PC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. Compound (mg/L or mg/Kg) mg/kg Q

	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000010

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-02

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G6546

Level: (low/med) LOW

Date Received: 05/21/97

% Moisture: not dec.

Date Analyzed: 05/31/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BU
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-02

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G6546

Conc.: (low/med) LOW

Date Received: 05/21/97

Moisture: not dec.

Date Analyzed: 05/31/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1
INORGANIC ANALYSES DATA SHEET

6-623-GT-02

Concentration Units (ug/L or mg/kg dry weight): UG/L__

000005

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-03

Name: Quanterra, MO Contract: 625.01
 Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216
 Matrix: (soil/water) SOIL Lab Sample ID: 14697-003
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 05-19-97
 Moisture: not dec. _____ Date Analyzed: 05-27-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. Compound (ug/L or ug/Kg) UG/KG Q

	LBH (1)	500	U

- F: Concentration of analyte is less than the value given.
 P: Pattern reasonably matches gasoline
 M: Pattern appears to be multi-peaks, but does not match gasoline
 S: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000014

1D
HBB ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-03

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-003

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 05-19-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-28-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBB

000014

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-03

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G6547

Depth: (low/med) LOW

Date Received: 05/21/97

Moisture: not dec.

Date Analyzed: 05/31/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-03

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G6547

Level: (low/med) LOW

Date Received: 05/21/97

% Moisture: not dec.

Date Analyzed: 05/31/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	D
100-41-4-----	Ethylbenzene	5	D
100-42-5-----	Styrene	5	D
75-25-2-----	Bromoform	5	D
108-38-3-----	o-Xylene	5	D
1330-20-7-----	m,p-Xylenes	5	D
108-86-1-----	Bromobenzene	5	D
79-34-5-----	1,1,2,2-Tetrachloroethane	5	D
96-18-4-----	1,2,3-Trichloropropane	5	D
95-49-8-----	2-Chlorotoluene	5	D
106-43-4-----	4-Chlorotoluene	5	D
541-73-1-----	1,3-Dichlorobenzene	5	D
106-46-7-----	1,4-Dichlorobenzene	5	D
95-50-1-----	1,2-Dichlorobenzene	5	D

1

INORGANIC ANALYSES DATA SHEET

6-623-GT-03

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

notes:

TCLP

000006

ID
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-04

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216
 Matrix : (soil/water) SOIL Lab Sample ID: 14697-004
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 05-19-97
 % Moisture: not dec. _____ Date Analyzed: 05-27-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000018

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-04

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITHO Case No.: SAS No.: SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-004

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 05-19-97

Moisture: not dec. dec.

Date Extracted: 05-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-28-97

IPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>
<u> </u>	<u> </u>	<u> </u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000017

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-04

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-004

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: G6585

Level: (low/med) LOW

Date Received: 05/21/97

% Moisture: not dec.

Date Analyzed: 06/02/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	6	J
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	17	J
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-88-3-----	Toluene	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-04

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-004

Conc. wt/vol: 1.00 (g/mL) G

Lab File ID: G6585

Level: (low/med) LOW

Date Received: 05/21/97

Moisture: not dec.

Date Analyzed: 06/02/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

1

EPA SAMPLE NO.

6-623-GT-04.

000007

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-05

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216
 Matrix: (soil/water) SOIL Lab Sample ID: 14697-005
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 05-19-97
 Moisture: not dec. _____ Date Analyzed: 05-28-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000022

1D
HHH ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-05

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-005

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 05-19-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-28-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

CAS NO.	Compound		
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-05

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-005

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: G6586

Depth: (low/med) LOW

Date Received: 05/21/97

Disturbance: not dec.

Date Analyzed: 06/02/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	25	U
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	28	X
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-88-3-----	Toluene	25	U
108-90-7-----	Chlorobenzene	25	U

Probable laboratory cross contamination.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6-623-GT-05

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V69701

SAS No.:

SDG No.: V216

Matrix: (soil/water) SOIL

Lab Sample ID: 14697-005

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: G6586

Level: (low/med) LOW

Date Received: 05/21/97

% Moisture: not dec.

Date Analyzed: 06/02/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

INORGANIC ANALYSES DATA SHEET

6-623-GT-05

VOLUME 2
APPENDIX B

TABLE 2 ANALYTICAL DATA

TABLE 2: SUMMARY OF NORTH SCEP VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M		
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)
SAMPLES COLLECTED AUGUST 27, 1997					
Cell No. 3	NSCEP-V1-3	0-15.2 [0-6]	ND	ND	ND
Cell No. 90	NSCEP-V1-90	0-15.2 [0-6]	ND	25.5	148
	NSCEP-V2-90	0-15.2 [0-6]	ND*	ND*	36
Cell No. 102	NSCEP-V1-102	0-15.2 [0-6]	ND	ND	ND
Cell No. 106	NSCEP-V1-106	0-15.2 [0-6]	ND	ND	ND
Cell No. 145	NSCEP-V1-145	0-15.2 [0-6]	ND	ND	ND
Cell No. 176	NSCEP-V1-176	0-15.2 [0-6]	ND	25.1	120
	NSCEP-V2-176	0-15.2 [0-6]	ND	ND	ND
Cell No. 178	NSCEP-V1-178	0-15.2 [0-6]	ND	ND	ND
Cell No. 187	NSCEP-V1-187	0-15.2 [0-6]	ND	ND	ND
Cell No. 208	NSCEP-V1-208	0-15.2 [0-6]	ND	ND	ND
Cell No. 226	NSCEP-V1-226	0-15.2 [0-6]	ND	ND	ND
Cell No. 231	NSCEP-V1-231	0-15.2 [0-6]	ND	ND	ND
Cell No. 235	NSCEP-V1-235	0-15.2 [0-6]	ND	ND	ND
Cell No. 261	NSCEP-V1-261	0-15.2 [0-6]	ND	ND	ND
Cell No. 283	NSCEP-V1-283	0-15.2 [0-6]	ND	ND	ND
Cell No. 286	NSCEP-V1-286	0-15.2 [0-6]	ND	ND	ND
Cell No. 287	NSCEP-V1-287	0-15.2 [0-6]	ND	ND	ND
Cell No. 300	NSCEP-V1-300	0-15.2 [0-6]	ND	ND	ND

TABLE 2: SUMMARY OF NORTH SCEP VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a		
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)
SAMPLES COLLECTED AUGUST 27, 1997					
Cell No. 322	NSCEP-V1-322	0-15.2 [0-6]	ND	ND	ND
Cell No. 323	NSCEP-V1-323	0-15.2 [0-6]	ND	ND	ND
Cell No. 332	NSCEP-V1-332	0-15.2 [0-6]	ND	ND	ND
	NSCEP-V2-332	0-15.2 [0-6]	ND	ND	ND
Cell No. 368	NSCEP-V1-368	0-15.2 [0-6]	ND	ND	ND
Cell No. 384	NSCEP-V1-384	0-15.2 [0-6]	ND	ND	ND

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

cm: centimeter

mg/kg: milligrams per kilogram

ND: Analyzed 2 days after holding time due to sample extraction bottle breaking.

LABORATORIES

AL PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	NSCEP-V1-003	LAS Sample ID:	L10395-59
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 02:54	Analytical Batch ID:	091597-8015-D-6
ate Extracted:	06-SEP-97	Analytical Dilution:	1
atrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	7.68	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	79%	25-162

STITUENT	CAS NO.	DATA		
		RESULT	PQL	QUALIFIER(S)
		mg/kg	mg/kg	
el Range Organics	TPH	<32.	32.	
line Range Organics		<32.	32.	
OIL		<32.	32.	

000945

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-V1-90	LAS Sample ID:	L10395-81
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 10:20	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	2.39	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	21% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	62.	31.	X
Gasoline Range Organics		<31.	31.	
MOTOR OIL		150	31.	

LABORATORIES

A PETROLEUM HYDROCARBONS (TPH)
 II. - TPH

Client Sample ID:	NSCEP-V2-90	LAS Sample ID:	L10479-11
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	08-OCT-97 09:42	Analytical Batch ID:	100597-8015-D-4
Date Extracted:	25-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	6.88	QC Group:	8015M - TPH_53917

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	177% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
51 Range Organics	TPH	<32.	32.	H
Online Range Organics		<32.	32.	H
OR OIL		260	32.	H

See data following pages

Sample was done using
 peak to peak integration
 changed to 36.3 mg/kg

Bechtel Nevada

Facsimile No. 702-295-7996 or -4773

Confirmation No. 702-295-7220

FACSIMILE TRANSMISSION

Date: November 03, 1997

To: Kraig Knapp & Jeff Smith

Company: BN - RP

Fax No. 5-7761

From: Ted Redding Analytical Services Laboratory (702) 295-7220

No. of Pages Including Cover: 4

Message:

Kraig,

Following is the chromatogram for sample NSCEP-V2-90 reprocessed under a different integration mode; "peak to peak" instead of "common baseline". This looks to be the way several other samples were integrated, so it is a valid process.

I spoke with the GC analyst and he indicated that they could not manually integrate the baseline rise seen in all samples, so the effect of that rise on sample values cannot be determined.

Let me know how you want to proceed. If we want the revised values reported, the lab will need to submit a new Form I for the sample.

LAS A SUBSIDIARY OF SPL

Data Reprocessed On 11/03/1997 13:58:15

Sample Name: L10479-11 Date: 10/08/1997 09:42:02
 Data File: C:\DX\DATA\8015\100597-D\10059702.D75
 Method: C:\DX\METHOD\8015\090397-D.ME2
 ACI Address: 1 System: 1 Inject#: 75 Detector: FID
 Analyst: DA Column: 40 (4M) 9/M-130 (0M) 15/M-290 (6M)

Libration	Volume	Dilution	Points	Rate	Start	Stop	Area	Reject
Internal	1	0.179	9300	5Hz	0.00	31.00		1000

***** Component Report: All Components *****

Peak	Ret Time	Delta	Component Name	Area	Concentration
	0.55	176.67	GASOLINE	1740	60.378
	0.00	0.00	JP5	0	0.000
3	0.83	50.00	KEROSENE	1427	101.588
	0.00	0.00	MOTOR OIL	0	0.000
5	25.02	0.01	N-octacosane	1448390	18.226
Totals				1451557	180.192

***** Peak Report: Unknown Peaks *****

Peak	Ret Time	Delta	Component Name	Area	Concentration
	0.92			15213084	191.437
	3.10			1326	0.017
	3.51			6273	0.079
7	3.67			3448	0.043
	3.79			5228	0.066
	4.09			2597	0.033
11	6.20			1264	0.016
12	6.37			1680	0.021
14	17.25			2804	0.035
14	18.28			1038	0.013
15	19.10			1153	0.015
17	20.13			2052	0.026
18	20.49			2778	0.035
22	21.00			1240	0.016
23	21.14			4339	0.055
24	21.29			1085	0.014
26	21.55			1082	0.014
28	21.76			1315	0.017
30	21.93			1380	0.017
32	22.13			26825	0.338
33	22.42			1566	0.020
35	22.61			2894	0.036
36	22.80			2823	0.036
37	22.87			1110	0.014
38	22.95			1050	0.013
39	23.07			1195	0.015
40	23.28			1659	0.021

41	23.41	2	0.034
42	23.50	2492	0.031
43	23.58	2032	0.026
44	23.85	9164	0.115
45	23.89	1958	0.025
46	24.06	4657	0.059
47	24.35	11929	0.150
48	24.49	3003	0.038
49	24.54	4669	0.059
50	24.64	2927	0.037
51	24.68	1320	0.017
52	24.80	15799	0.199
53	24.93	3727	0.047
55	25.20	7413	0.093
56	25.26	1891	0.024
57	25.41	22390	0.282
58	25.54	22029	0.277
59	25.61	21954	0.276
60	25.68	9238	0.116
61	25.74	37475	0.472
62	25.87	21008	0.264
63	25.93	9629	0.121
64	26.00	17974	0.226
65	26.09	21420	0.270
66	26.19	22821	0.287
67	26.34	4790	0.060
68	26.49	34779	0.438
70	26.72	2422	0.030
71	26.94	8247	0.104
72	27.01	26321	0.331
73	27.27	1141	0.014
74	27.47	1289	0.016
76	27.70	5983	0.075
77	27.79	4520	0.057
78	28.31	5101	0.064
79	28.47	2624	0.033
80	28.73	5386	0.068
81	29.13	3626	0.046
86	30.13	2758	0.035

Totals 15684934 197.375

#	Group Name	Amount	Area	Area%
1	GASOLINE-RANGE-ORG	0.2745	22032	0.13%
2	JP5-RANGE-ORG	0.0999	8403	0.05%
3	KEROSENE-RANGE-ORG	0.0370	3160	0.02%
4	MOTOR OIL	5.5932	452031	2.64%

36.3

DA 11/3/97

per client request peak to peak integration
was used instead of common baseline.

DA
11/3/97

File: 1005970. 075 Sample: L10479-11

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-V1-102	LAS Sample ID:	L10395-64
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 06:36	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	9.39	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	78%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER (S)
Diesel Range Organics	TPH	<33.	33.	
Gasoline Range Organics		<33.	33.	
MOTOR OIL		<33.	33.	

17 LABORATORIES

1 PETROLEUM HYDROCARBONS (TPH)
5% - TPH

Client Sample ID:	NSCEP-V1-106	LAS Sample ID:	L10395-82
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 11:05	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	2.16	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	36%	25-162

SOLVENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA
				QUALIFIER(S)
1 Range Organics	TPH	<30.	30.	
oline Range Organics		<30.	30.	
OR OIL		<30.	30.	

1

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-VI-145	LAS Sample ID:	L10395-63
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	21-SEP-97 18:14	Analytical Batch ID:	091797-8015-D-4
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.15	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	36%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

AL PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	NSCEP-V1-176	LAS Sample ID:	L10395-58
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 02:09	Analytical Batch ID:	091597-8015-D-6
ate Extracted:	06-SEP-97	Analytical Dilution:	1
atrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	8.29	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	26%	25-162

TITUEENT	CAS NO.	RESULT	DATA	
			PQL	QUALIFIER(S)
		mg/kg	mg/kg	
el Range Organics	TPH	66.	33.	X
line Range Organics		<33.	33.	
F OIL		130	33.	

000944

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-V2-176	LAS Sample ID:	L10479-2
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	25-SEP-97	Analytical Batch ID:	091797-8015-D-6
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	12.24	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	156%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<34.	34.	
Gasoline Range Organics		<34.	34.	
MOTOR OIL		<34.	34.	

LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
SM - TPH

Client Sample ID:	NSCEP-V1-178	LAS Sample ID:	L10395-60
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 03:38	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	8.89	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	69%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
iesel Range Organics	TPH	<33.	33.	
eline Range Organics		<33.	33.	
N ! OIL		<33.	33.	

000946

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-V1-187	LAS Sample ID:	L10395-89
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	18-SEP-97 11:12	Analytical Batch ID:	091597-8015-D-5
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.98
Percent Moisture:	7.26	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	23% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

1. PETROLEUM HYDROCARBONS (TPH)

1 - TPH

Client Sample ID:	NSCEP-V1-208	LAS Sample ID:	L10395-61
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 04:23	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	6.56	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	78%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
el Range Organics	TPH	<32.	32.	
ne Range Organics		<32.	32.	
OIL		<32.	32.	

000947

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-V1-226	LAS Sample ID:	L10395-62
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 05:07	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	6.14	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	78%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

000948

LABORATORIES

7 PETROLEUM HYDROCARBONS (TPH)
5M - TPH

Client Sample ID:	NSCEP-VI-231	LAS Sample ID:	L10395-85
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 13:19	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	7.2	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	29%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
5 . Range Organics	TPH	<32.	32.	
oline Range Organics		<32.	32.	
OP OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-VI-235	LAS Sample ID:	L10395-88
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 15:32	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	3.24	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	32%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<31.	31.	
Gasoline Range Organics		<31.	31.	
MOTOR OIL		<31.	31.	

LABORATORIES

1, PETROLEUM HYDROCARBONS (TPH)
 SM - TPH

Client Sample ID:	NSCEP-V1-261	LAS Sample ID:	L10395-94
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 19:36	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	5.87	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	35%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
Soil Range Organics	TPH	<32.	32.	
Polycyclic Range Organics		<32.	32.	
TPH OIL		<32.	32.	

000980

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-VI-283	LAS-Sample ID:	L10395-84
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 12:34	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	5.07	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	31%	25-162

CONSTITUENT	CAS NO	RESULT	POL	DATA
				QUALIFIER(S)
Diesel Range Organics	TPH	<31.	31.	
Gasoline Range Organics		<31.	31.	
MOTOR OIL		<31.	31.	

17 LABORATORIES

3. PETROLEUM HYDROCARBONS (TPH)

5. - TPH

Client Sample ID:	NSCEP-V1-286	LAS Sample ID:	L10395-87
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 14:48	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	2.6	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	36%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
1 Range Organics	TPH	<31.	31.	
oline Range Organics		<31.	31.	
OR OIL		<31.	31.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)

8015M - TPH

Client Sample ID:	NSCEP-VI-287	LAS Sample ID:	L10395-86
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 14:04	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	4.07	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	41%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<31.	31.	
Gasoline Range Organics		<31.	31.	
MOTOR OIL		<31.	31.	

LABORATORIES

PETROLEUM HYDROCARBONS (TPH) M - TPH

Client Sample ID:	NSCEP-V1-300	LAS Sample ID:	L10395-93
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 18:51	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	5.6	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	36%	25-162

TITULENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
el Range Organics	TPH	<31.	31.	
line Range Organics		<31.	31.	
R OIL		<31.	31.	

000979

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSCEP-V1-322	LAS Sample ID:	L10395-90
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	18-SEP-97 11:57	Analytical Batch ID:	091597-8015-D-5
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	8.65	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	32%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

A. PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	NSCEP-VI-323	LAS Sample ID:	L10395-96
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 21:04	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	3.66	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	38%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
semi Range Organics	TPH	<32.	32.	
volatile Range Organics		<32.	32.	
total OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-V1-332	LAS Sample ID:	L10395-95
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 20:20	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.95
Percent Moisture:	7.45	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	28%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<31.	31.	
Gasoline Range Organics		<31.	31.	
MOTOR OIL		<31.	31.	

000981

S LABORATORIES

A PETROLEUM HYDROCARBONS (TPH)
 V - TPH

Client Sample ID:	NSCEP-V2-332	LAS Sample ID:	L10479-3
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	25-SEP-97	Analytical Batch ID:	091797-8015-D-6
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	11.61	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	155%	25-162

STUDENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Range Organics	TPH	<34.	34.	
Line Range Organics		<34.	34.	
R OIL		<34.	34.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-V1-337	LAS Sample ID:	L10395-83
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 11:50	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.55	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	37%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

ANALYSIS: PETROLEUM HYDROCARBONS (TPH)
 METHOD: TPH

Client Sample ID: NSCEP-V1-368	LAS Sample ID: L10395-91
Date Collected: 27-AUG-97	Date Received: 28-AUG-97
Date Analyzed: 18-SEP-97 12:42	Analytical Batch ID: 091597-8015-D-5
Date Extracted: 07-SEP-97	Analytical Dilution: 1
Matrix: Soil	Preparation Dilution: 1.0
Percent Moisture: 6.19	QC Group: 8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	37%	25-162

TITULENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Low Range Organics	TPH	<32.	32.	
Mid Range Organics		<32.	32.	
HIGH OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSCEP-VI-384	LAS Sample ID:	I10395-92
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 18:06	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	5.9	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	33%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

VOLUME 2
APPENDIX B

TABLE 3 ANALYTICAL DATA

TABLE 3: STEAM CLEANING EFFLUENT POND CHARACTERIZATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm/[inches])	TPH 8015M ^a			VOCS (mg/kg)	TCLP METALS (mg/L)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JULY 28-29 and AUGUST 13, 1997							
Below East Bottom of Separator	SSCEP-6800-002	610-625 [240-246]	NA	ND	530	NA*	Ba 0.841 Pb 0.010
Below West Bottom of Separator	SSCEP-6800-003	610-625 [240-246]	NA	ND	1,200	NA*	As 0.062 Ba 1.270 Cd 0.010 Cr 0.352 Pb 0.156
East Side of Excavation	SSCEP-6800-004	579 [228]	ND	ND	ND	ND ^d	Ba 0.444
West Side of Excavation	SSCEP-6800-005	579 [228]	ND	ND	27.6	ND ^d	Ba 0.481
Soil Pile Characterization	SSCEP-6800-006	NA	ND	ND	1,200	ND	Ba 0.670
East Side of Excavation Resample	SSCEP-6800-007	579 [228]	NA	NA	NA	ND	NA
West Side of Excavation Resample	SSCEP-6800-008	579 [228]	NA	NA	NA	ND	NA

Notes:

^a TPH 8015M: Total Petroleum Hydrocarbons Method 8015 Modified.

^b VOCs: Volatile Organic Compounds.

^c TCLP: Toxicity Characteristic Leaching Procedure

ND^d: While no detectable VOCs were found within the sample, the sample had been analyzed 1-day after the CLP mandated holding time.

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

NA: Not Analyzed

NA*: VOC analysis cancelled due to samples were received at 27 degrees Celsius

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-6800-2

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V264

Matrix: (soil/water) SOIL

Lab Sample ID: 15474-001

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-29-97

% Moisture: not dec. dec.

Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-18-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>530</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000007

1
INORGANIC ANALYSES DATA SHEET

SSCEP68002

Concentration Units (ug/L or mg/kg dry weight): UG/L

000005

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-6800-3

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V264

Matrix : (soil/water) SOIL Lab Sample ID: 15474-002

Sample wt/vol: 20.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 07-22-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 08-18-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>1200</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000017

1
INORGANIC ANALYSES DATA SHEET

SSCEP68003

000006

AS LABORATORIES

AL PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-6800-4	LAS Sample ID:	L10261-5
Date Collected:	13-AUG-97	Date Received:	14-AUG-97
Date Analyzed:	28-AUG-97 02:23	Analytical Batch ID:	082697-8015-D-3
Date Extracted:	24-AUG-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	10.92	QC Group:	8015M - TPH_52432

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	42%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
± al Range Organics	TPH	<33.	33.	
TOR OIL		<33.	33.	

LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS
8260 VOLATILES

Client Sample ID:	SSCEP-6800-4	LAL Sample ID:	L10261-3
Date Collected:	13-AUG-97	Date Received:	14-AUG-97
Date Analyzed:	28-AUG-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	082897-8260-J2
Percent Moisture:	10.92	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	84%	77-127
Toluene-d8	86%	84-120
Bromofluorobenzene	88%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER
Chloromethane	74-87-3	<5.6	5.6	H
Vinyl Chloride	75-01-4	<5.6	5.6	H
Bromomethane	74-83-9	<5.6	5.6	H
Chloroethane	75-00-3	<5.6	5.6	H
Trichlorofluoromethane	75-69-4	<5.6	5.6	H
Acetone	67-64-1	7.4	11.	HJB
1,1-Dichloroethene	75-35-4	<5.6	5.6	H
Carbon Disulfide	75-15-0	<5.6	5.6	H
Methylene Chloride	75-09-2	<5.6	5.6	H
trans-1,2-Dichloroethene	156-60-5	<5.6	5.6	H
Vinyl Acetate	108-05-4	<11.	11.	H
1,1-Dichloroethane	75-34-3	<5.6	5.6	H
2-Butanone	78-93-3	<11.	11.	H
cis-1,2-Dichloroethene	156-59-2	<5.6	5.6	H
Chloroform	67-66-3	<5.6	5.6	H
2-Hexanone	591-78-6	<11.	11.	H
1,1,1-Trichloroethane	71-55-6	<5.6	5.6	H
Carbon tetrachloride	56-23-5	<5.6	5.6	H
1,2-Dichloroethane	107-06-2	<5.6	5.6	H
Benzene	71-43-2	<5.6	5.6	H
Trichloroethene	79-01-6	1.5	5.6	HJ
1,2-Dichloropropane	78-87-5	<5.6	5.6	H
Bromodichloromethane	75-27-4	<5.6	5.6	H
2-Chloroethylvinylether	110-75-8	<22.	22.	H
4-Methyl-2-Pentanone	108-10-1	<11.	11.	H
cis-1,3-Dichloropropene	10061-01-5	<5.6	5.6	H
Toluene	108-88-3	<5.6	5.6	H
trans-1,3-Dichloropropene	10061-02-6	<5.6	5.6	H
1,1,2-Trichloroethane	79-00-5	<5.6	5.6	H
Tetrachloroethene	127-18-4	<5.6	5.6	H
Dibromochloromethane	124-48-1	<5.6	5.6	H
Chlorobenzene	108-90-7	<5.6	5.6	H
Ethylbenzene	100-41-4	<5.6	5.6	H
m,p-Xylene	136777-61-2	<5.6	5.6	H
o-Xylene	95-47-6	<5.6	5.6	H
Styrene	100-42-5	<5.6	5.6	H
Bromoform	75-25-2	<5.6	5.6	H
1,1,2,2-Tetrachloroethane	79-34-5	<5.6	5.6	H
1,3-Dichlorobenzene	541-73-1	<5.6	5.6	H
1,4-Dichlorobenzene	106-46-7	<5.6	5.6	H
1,2-Dichlorobenzene	95-50-1	<5.6	5.6	H

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	SSCEP-6800-5	LAS Sample ID:	L10261-9
Date Collected:	13-AUG-97	Date Received:	14-AUG-97
Date Analyzed:	28-AUG-97 03:07	Analytical Batch ID:	082697-8015-D-3
Date Extracted:	24-AUG-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	10.13	QC Group:	8015M - TPH_52432

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	56%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
Diesel Range Organics	TPH	<33.	33.	
MOTOR OIL		<33.	33.	

LS LABORATORIES

LABILE ORGANICS BY GC/MS
VOLATILES

Client Sample ID:	SSCEP-6800-5	LAL Sample ID:	L10261-7
Date Collected:	13-AUG-97	Date Received:	14-AUG-97
Date Analyzed:	28-AUG-97	Analytical Dilution:	5
Matrix:	Soil	Analytical Batch ID:	082897-8260-J2
Percent Moisture:	10.13	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	86%	77-127
Toluene-d8	86%	84-120
Bromofluorobenzene	89%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA
				QUALIFIER(S)
Bromomethane	74-87-3	<28.	28.	H
Methyl Chloride	75-01-4	<28.	28.	H
Chloromethane	74-83-9	<28.	28.	H
1-Propanethane	75-00-3	<28.	28.	H
1-Chlorofluoromethane	75-69-4	<28.	28.	H
Acetone	67-64-1	<56.	56.	H
1,1-Dichloroethene	75-35-4	<28.	28.	H
Carbon Disulfide	75-15-0	<28.	28.	H
o-Xylene Chloride	75-09-2	<28.	28.	H
trans-1,2-Dichloroethene	156-60-5	<28.	28.	H
Ethyl Acetate	108-05-4	<56.	56.	H
1,1-Dichloroethane	75-34-3	<28.	28.	H
2-Pentanone	78-93-3	<56.	56.	H
trans-1,2-Dichloroethene	156-59-2	<28.	28.	H
Chloroform	67-66-3	<28.	28.	H
2-Pentanone	591-78-6	<56.	56.	H
1,1,1-Trichloroethane	71-55-6	<28.	28.	H
Carbon tetrachloride	56-23-5	<28.	28.	H
1,1-Dichloroethane	107-06-2	<28.	28.	H
2-Pentanone	71-43-2	<28.	28.	H
1,1-Dichloroethene	79-01-6	<28.	28.	H
1,2-Dichloropropane	78-87-5	<28.	28.	H
1,1-Dichloromethane	75-27-4	<28.	28.	H
1-Chloroethylvinylether	110-75-8	<110	110	H
2-Methyl-2-Pentanone	108-10-1	<56.	56.	H
trans-1,3-Dichloropropene	10061-01-5	<28.	28.	H
2-Pentanone	108-88-3	<28.	28.	H
trans-1,3-Dichloropropene	10061-02-6	<28.	28.	H
1,1,2-Trichloroethane	79-00-5	<28.	28.	H
1,1,2-Trichloroethene	127-18-4	<28.	28.	H
1,1-Dichloromethane	124-48-1	<28.	28.	H
1-Chlorobenzene	108-90-7	<28.	28.	H
1-Ethylbenzene	100-41-4	<28.	28.	H
o-Xylene	136777-61-2	<28.	28.	H
m-Xylene	95-47-6	<28.	28.	H
p-Xylene	100-42-5	<28.	28.	H
Chloroform	75-25-2	<28.	28.	H
1,1,2,2-Tetrachloroethane	79-34-5	<28.	28.	H
1,1-Dichlorobenzene	541-73-1	<28.	28.	H
1,4-Dichlorobenzene	106-46-7	<28.	28.	H
1,2-Dichlorobenzene	95-50-1	<28.	28.	H

000005

LAS LABORATORIES

P&T GAS/BTEX
P&T GAS/BTEX

Client Sample ID: SSCEP-6800-6
Date Collected: 20-AUG-97
Date Analyzed: 29-AUG-97
Date Extracted: N/A
Matrix: Soil
Percent Moisture: 5.87

LAS Sample ID: L10317-11
Date Received: 20-AUG-97
Analytical Batch ID: 082797-BTEX-GC4
Analytical Dilution: 1
Preparation Dilution: 2.0

SURROGATE	RECOVERY	QC Limits
BFB	94%	60-140
1,4-DFB	100%	70-130

CONSTITUENT	CAS NO.	RESULT ug/Kg	PQL ug/Kg	DATA QUALIFIER(S)
Chlorine Range Organics	8006-61-9	<210	210	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID: SSCEP-6800-6
Date Collected: 20-AUG-97
Date Analyzed: 18-SEP-97
Date Extracted: 28-AUG-97
Matrix: Soil
Percent Moisture: 5.87

LAS Sample ID: L10317-11
Date Received: 20-AUG-97
Analytical Batch ID: 091597-8015-D-5
Analytical Dilution: 10
Preparation Dilution: 0.98
QC Group: 8015M - TPH_52800

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	183% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<310	310	
MOTOR OIL		1200	310	

AS LABORATOR IS

MS FOR VOLATILE ORGANICS
20 VOLATILES

Client Sample ID:	SSCEP-6800-6	LAL Sample ID:	L10317-5
Date Collected:	20-AUG-97	Date Received:	20-AUG-97
Date Analyzed:	03-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	090397-8260A-D1
Percent Moisture:	5.87	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	96%	77-127
Toluene-d8	89%	84-120
Bromofluorobenzene	88%	78-125

CONSTITUENT	CAS NO.	DATA		
		RESULT	POL	QUALIFIER(S)
		ug/kg	ug/kg	
Bromomethane	74-87-3	<5.3	5.3	
Vinyl Chloride	75-01-4	<5.3	5.3	
Bromomethane	74-83-9	<5.3	5.3	
1,2-Dichloroethane	75-00-3	<5.3	5.3	
1,1-Dichloroethane	75-69-4	<5.3	5.3	
Acetone	67-64-1	<11.	11.	
1,2-Dichloroethene	75-35-4	<5.3	5.3	
Carbon Disulfide	75-15-0	<5.3	5.3	
Ethylene Chloride	75-09-2	<5.3	5.3	
trans-1,2-Dichloroethene	156-60-5	<5.3	5.3	
Ethyl Acetate	108-05-4	<11.	11.	
1,2-Dichloroethane	75-34-3	<5.3	5.3	
Butanone	78-93-3	<11.	11.	
trans-1,2-Dichloroethene	156-59-2	<5.3	5.3	
Bromoform	67-66-3	<5.3	5.3	
Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	<5.3	5.3	
Carbon tetrachloride	56-23-5	<5.3	5.3	
1,2-Dichloroethane	107-06-2	<5.3	5.3	
Ethene	71-43-2	<5.3	5.3	
1,2-Dichloroethene	79-01-6	<5.3	5.3	
1,2-Dichloropropane	78-87-5	<5.3	5.3	
1,1-Dichloromethane	75-27-4	<5.3	5.3	
1,1-Dichloroethylether	110-75-8	<21.	21.	
2-Methyl-2-Pentanone	108-10-1	<11.	11.	
trans-1,3-Dichloropropene	10061-01-5	<5.3	5.3	
Quene	108-88-3	<5.3	5.3	
trans-1,3-Dichloropropene	10061-02-6	<5.3	5.3	
1,1,2-Trichloroethane	79-00-5	<5.3	5.3	
1,2-Dichloroethene	127-18-4	<5.3	5.3	
1,1-Dichloromethane	124-48-1	<5.3	5.3	
Bromobenzene	108-90-7	<5.3	5.3	
Ethylbenzene	100-41-4	<5.3	5.3	
p-Xylene	136777-61-2	<5.3	5.3	
m-Xylene	95-47-6	<5.3	5.3	
Styrene	100-42-5	<5.3	5.3	
Bromoform	75-25-2	<5.3	5.3	
1,2,2-Tetrachloroethane	79-34-5	<5.3	5.3	
1,2-Dichlorobenzene	541-73-1	<5.3	5.3	
1,4-Dichlorobenzene	106-46-7	<5.3	5.3	
1,2-Dichlorobenzene	95-50-1	<5.3	5.3	

AS LABORATORIES

I TILE ORGANICS BY GC/MS
60 VOLATILES

Client Sample ID:	SSCEP-6800-7	LAL Sample ID:	L10799-3
Date Collected:	21-OCT-97	Date Received:	22-OCT-97
Date Analyzed:	23-OCT-97 10:45	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	102397-8260-E1
Percent Moisture:	N/A	Preparation Dilution:	1:00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	104%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	101%	78-125

INSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.0	5.0	
Methyl Chloride	75-01-4	<5.0	5.0	
Fluoromethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Dichlorofluoromethane	75-69-4	<5.0	5.0	
Benzene	67-64-1	13.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Ethylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Methyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
Butanone	78-93-3	<10.	10.	
trans-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
Hexanone	591-78-6	<10.	10.	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
trans-1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
1,1-Dichloroethene	79-01-6	<5.0	5.0	
1,1-Dichloropropane	78-87-5	<5.0	5.0	
1,1-Dichloroethane	75-27-4	<5.0	5.0	
1-Chloroethylvinylether	110-75-8	<20.	20.	
2-Ethyl-2-Pentanone	108-10-1	<10.	10.	
trans-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,2-Trichloroethane	79-00-5	<5.0	5.0	
1,2-Trichloroethene	127-18-4	<5.0	5.0	
1-Bromochloromethane	124-48-1	<5.0	5.0	
1-Chlorobenzene	108-90-7	<5.0	5.0	
1-Tolylbenzene	100-41-4	<5.0	5.0	
p-Xylene	136777-61-2	<5.0	5.0	
m-Xylene	95-47-6	<5.0	5.0	
p-Xylene	100-42-5	<5.0	5.0	
Chloroform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

B [SSCEP-TB-102197]

LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS
8260 VOLATILES

Client Sample ID: SSCEP-6800-7
Date Collected: 21-OCT-97
Date Analyzed: 23-OCT-97 13:52
Matrix: Soil
Percent Moisture: N/A

LAL Sample ID: L10799-3
Date Received: 22-OCT-97
Analytical Dilution: 1
Analytical Batch ID: 102397-8260-E1
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	102%	77-127
Toluene-d8	100%	84-120
Bromofluorobenzene	100%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	15.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	2.7	10.	J
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

CAS LABORATORIES

ORGANIC ANALYTICAL SERVICES
260 VOLATILES

Client Sample ID:	SSCEP-6800-8	LAL Sample ID:	L10799-5
Date Collected:	21-OCT-97	Date Received:	22-OCT-97
Date Analyzed:	23-OCT-97 11:24	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	102397-8260-E1
Percent Moisture:	N/A	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	98%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	101%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.0	5.0	
Methyl Chloride	75-01-4	<5.0	5.0	
Dimethylmethane	74-83-9	<5.0	5.0	
Dichloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	<10.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Perethylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Methyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
trans-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
3-Hexanone	591-78-6	<10.	10.	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
1,1-Dichloroethene	79-01-6	<5.0	5.0	
1,1-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
trans-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

VOLUME 2
APPENDIX B

TABLE 4 ANALYTICAL DATA

TABLE 1. SUMMARY OF SURFACE INFILTRATION PIPE VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCS ^b (mg/kg)	TCGP METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JUNE 23, JULY 15, 16, & 29, AND OCTOBER 9, 1997							
West of South Pond	SSCEP-PIPE-1	91-106 [36-42]	ND	ND	ND	ND	Ba 0.994
West of South Pond	SSCEP-PIPE-2	91-106 [36-42]	ND	70	ND	ND	Ba 1.130
End of Iron Pipe East of 6-05 Road	SSCEP-PIPE-3	91-106 [36-42]	ND	ND	ND	ND	Ba 0.620
End of Pipe Joint East of Boxcar	SSCEP-PIPE-4	91-106 [36-42]	ND	ND	96	Methylene Chloride 0.008	Ba 0.633
End of Pipe Joint East of Boxcar	SSCEP-PIPE-4B	91-106 [36-42]	NA	NA	NA	ND	NA
7th Iron Ring Joint SE 6-800 Separator	SSCEP-PIPE-5	37-152 [54-60]	ND	ND	ND	ND	Ba 0.816 Ag 0.017
5th Iron Ring Joint SE 6-800 Separator	SSCEP-PIPE-6	37-152 [54-60]	ND	ND	47	ND	Ba 0.545
Intersection Trench 6-800 and 6-621	SSCEP-PIPE-7	37-152 [54-60]	ND	ND	110	ND	Ba 0.727
Sample Point 7 After Additional Excavation	SSCEP-PIPE-7B	98-213 [78-84]	ND	ND	ND	NA	NA
2nd pipe elbow SE 6-800 Separator	SSCEP-PIPE-8	37-152 [54-60]	ND	ND	ND	ND	Ba 0.813

TABLE 4: SUMMARY OF SOUTH SCEP INFLUENT PIPE VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm, [inches])	TPH 8015M ¹			VOCS ² (mg/kg)	TCLP METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JUNE 23, JULY 15, 16, & 29, AND OCTOBER 9, 1997							
1st pipe elbow SE 6-800 Separator	SSCEP-PIPE-9	37-152 [54-60]	ND	ND	ND	ND	Ba 0.920 Ag 0.021
1st pipe elbow SE 6-800 Separator	SSCEP-PIPE-109 (Duplicate of 9)	37-152 [54-60]	ND	ND	ND	ND	Ba 0.907

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

^b **VOCs:** Volatile Organic Compounds.

^c **TCLP:** Toxicity Characteristic Leaching Procedure.

Ba Barium

Ag Silver

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

NA: Not Analyzed

cm: centimeter

mg/kg: milligrams per kilogram

mg/l: milligrams per liter

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE1

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238
 Matrix: (soil/water) SOIL Lab Sample ID: 15121-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 06-23-97
 % Moisture: not dec. _____ Date Analyzed: 06-27-97
 Dilution Factor: 1.0

CAS NO. Compound . CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG . Q

LBH (1)	500	U
---------	-----	---

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

M: Pattern appears to be multi-peaks, but does not match gasoline

L: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000007

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-1

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-002

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-28-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

DIESEL	25	U *
WASTE OIL	25	U

*: Sample has an unknown hydrocarbon at approximately 26 mg/kg.

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPIPE2

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7259

Level: (low/med) LOW

Date Received: 06/25/97

Moisture: not dec.

Date Analyzed: 07/04/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	9	J
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPPIPE2

000006

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE2

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238
Matrix: (soil/water) SOIL Lab Sample ID: 15121-003
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 06-23-97
Moisture: not dec. _____ Date Analyzed: 06-27-97
Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. Compound (ug/L or ug/Kg) UG/KG Q

LBH (1)	500	U

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000011

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-2

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix : (soil/water) SOIL Lab Sample ID: 15121-003

Sample wt/vol: 20.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-23-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 06-28-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

CAS NO. Compound Q

<u>DIESEL</u>	<u>70</u>	
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPP1PE1

Sample Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7273

Level: (low/med) LOW

Date Received: 06/25/97

Moisture: not dec.

Date Analyzed: 07/04/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	6	BJ
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

FORM I VOA

3/90

000028

1
INORGANIC ANALYSES DATA SHEET

SSCEPPIPE1

000004

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-3

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V250
 Matrix: (soil/water) SOIL Lab Sample ID: 15349-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-15-97
 Moisture: not dec. _____ Date Analyzed: 07-29-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

LBH (1)

500

U

U: Concentration of analyte is less than the value given.
 : Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000006

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-3

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V250

Matrix : (soil/water) SOIL Lab Sample ID: 15349-002

Sample wt/vol: 20.1 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 07-15-97

% Moisture: not dec. dec. Date Extracted: 07-22-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 07-24-97

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg) <u>mg/kg</u>	<u>Q</u>
<u> </u>	<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u> </u>	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

*: Sample is a mixture of an early unknown hydrocarbon (approx. 1500 mg/kg) and waste oil.

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPIPE3

Name: QUAN TERRA MO

Contract: 625-01

Code: ITMO

Case No.: V34901

SAS No.:

SDG No.: V250

ix: (soil/water) SOIL

Lab Sample ID: 15349-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F0951

l: (low/med) LOW

Date Received: 07/17/97

Moisture: not dec.

Date Analyzed: 07/28/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	J
67-64-1-----	Acetone	18	BJ
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

EPA SAMPLE NO.

SSCEP-PIPE-3

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V250

Matrix (soil/water): WATER

Lab Sample ID: P15349-002

Level (low/med) : LOW

Date Received: 07/17/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN

TCLP

0000 4

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-4

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: SAS No.: SDG No.: V251
 Matrix: (soil/water) SOIL Lab Sample ID: 15351-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID:
 Level: (low/med) LOW Date Sampled: 07-16-97
 Moisture: not dec. Date Analyzed: 07-29-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

- U: Concentration of analyte is less than the value given.
- ~: Pattern reasonably matches gasoline
- : Pattern appears to be multi-peaks, but does not match gasoline
- ⌋: Concentration is primarily from a single peak

'1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000006

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-4

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V251

Matrix : (soil/water) SOIL

Lab Sample ID: 15351-002

Sample wt/vol: 20.0 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. dec.

Date Extracted: 07-22-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-24-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1 10⁶ 9/15/97

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>96</u>	

*: ~~Sample is a mixture of an early unknown hydrocarbon (approx. 1500 mg/kg) and waste oil.~~

U: Concentration of analyte is less than the value given.

FORM I HBH

000007

LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS
8260 VOLATILES

Client Sample ID: SSCEP-PIPE-4B
Date Collected: 07-OCT-97
Date Analyzed: 13-OCT-97 18:16
Matrix: Soil
Percent Moisture: 7.91

LAS Sample ID: L10691-3
Date Received: 09-OCT-97
Analytical Dilution: 1
Analytical Batch ID: 101397-8260-C2
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	98%	77-127
Toluene-d8	93%	84-120
Bromofluorobenzene	104%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.4	5.4	
Vinyl Chloride	75-01-4	<5.4	5.4	
Monomethane	74-83-9	<5.4	5.4	
Dichloroethane	75-00-3	<5.4	5.4	
Trichlorofluoromethane	75-69-4	<5.4	5.4	
Acetone	67-64-1	7.0	11.	JB
1,1-Dichloroethene	75-35-4	<5.4	5.4	
Carbon Disulfide	75-15-0	<5.4	5.4	
Methylene Chloride	75-09-2	<5.4	5.4	
trans-1,2-Dichloroethene	156-60-5	<5.4	5.4	
Ethyl Acetate	108-05-4	<11.	11.	
1,1-Dichloroethane	75-34-3	<5.4	5.4	
2-Butanone	78-93-3	<11.	11.	
trans-1,2-Dichloroethene	156-59-2	<5.4	5.4	
Chloroform	67-66-3	<5.4	5.4	
2-Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	<5.4	5.4	
Carbon tetrachloride	56-23-5	<5.4	5.4	
1,2-Dichloroethane	107-06-2	<5.4	5.4	
Benzene	71-43-2	<5.4	5.4	
Trichloroethene	79-01-6	<5.4	5.4	
1,2-Dichloropropane	78-87-5	<5.4	5.4	
1,1-Dichloroethane	75-27-4	<5.4	5.4	
2-Chloroethylvinylether	110-75-8	<22.	22.	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
trans-1,3-Dichloropropene	10061-01-5	<5.4	5.4	
Toluene	108-88-3	<5.4	5.4	
trans-1,3-Dichloropropene	10061-02-6	<5.4	5.4	
1,1,2-Trichloroethane	79-00-5	<5.4	5.4	
Tetrachloroethene	127-18-4	<5.4	5.4	
1,1-Dibromochloromethane	124-48-1	<5.4	5.4	
Chlorobenzene	108-90-7	<5.4	5.4	
Ethylbenzene	100-41-4	<5.4	5.4	
p-Xylene	136777-61-2	<5.4	5.4	
m-Xylene	95-47-6	<5.4	5.4	
Styrene	100-42-5	<5.4	5.4	
Bromoform	75-25-2	<5.4	5.4	
1,1,2,2-Tetrachloroethane	79-34-5	<5.4	5.4	
1,3-Dichlorobenzene	541-73-1	<5.4	5.4	
1,4-Dichlorobenzene	106-46-7	<5.4	5.4	
1,2-Dichlorobenzene	95-50-1	<5.4	5.4	

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE5

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-004

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. _____

Date Analyzed: 06-27-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000015

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-5

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-004

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 06-23-97

Moisture: not dec. _____ dec. _____

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-28-97

GC Cleanup: (Y/N) N

pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

WASTE OIL

25

U

U: Concentration of analyte is less than the value given.

FORM I HBH

000020

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPPIPE5

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-004

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7305

Level: (low/med) LOW

Date Received: 06/25/97

% Moisture: not dec.

Date Analyzed: 07/06/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPIPE4

Name: QUANTERRA MO Contract: 625-01
Code: ITMO Case No.: V35101 SAS No.: SDG No.: V251
ix: (soil/water) WATER Lab Sample ID: 15351-002
ple wt/vol: 5.00 (g/mL) ML Lab File ID: F0953
l: (low/med) LOW Date Received: 07/17/97
Moisture: not dec. Date Analyzed: 07/28/97
column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0
Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	8	
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	4	J
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

EPA SAMPLE NO.

SSCEP-PIPE-4

Concentration Units (ug/L or mg/kg dry weight): UG/L_

4

EPA SAMPLE NO.

Name: QUANTERRA_MO _____ Contract: 625.01 _____
 Code: ITMO _____ Case No.: _____ SAS No.: _____ SDG No.: V238 _____
 Media (soil/water): WATER Lab Sample ID: P15121-004
 Level (low/med): LOW _____ Date Received: 06/25/97
 Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____
 Comments: _____

FORM I - IN

TCLP

000007

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE6

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-005

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. _____

Date Analyzed: 06-27-97

Dilution Factor: 1.0

CAS NO.

Compound.

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000019

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-6

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-005

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 06-23-97

Moisture: not dec. dec.

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-28-97

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

WASTE OIL

47

J: Concentration of analyte is less than the value given.

FORM I HBH

000024

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPIPE6

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7275

Level: (low/med) LOW

Date Received: 06/25/97

% Moisture: not dec.

Date Analyzed: 07/04/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

SSCEPPIPE6

Name: QUANTERRA MO Contract: 625.01

Code: ITMO Case No.: SAS No.: SDG No.: V238

Lab Sample ID: P15121-005

el (low/med): LOW Date Received: 06/25/97

ids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

r Before: _____ Clarity Before: _____ Texture: _____

Before After: _____ Clarity After: _____ Artifacts: _____

1 ents:

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE7

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: SAS No.: SDG No.: V238
Matrix : (soil/water) SOIL Lab Sample ID: 15121-006
Sample wt/vol: 1.0 (g/ml) G Lab File ID:
Level: (low/med) LOW Date Sampled: 06-23-97
% Moisture: not dec. Date Analyzed: 06-27-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000023

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-7

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-006

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. dec.

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-28-97

GFC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>110</u>	

: Concentration of analyte is less than the value given.

FORM I HBH

000030

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPPPIPE7

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-006

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7286

Level: (low/med) LOW

Date Received: 06/25/97

% Moisture: not dec.

Date Analyzed: 07/05/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

Name: QUANTERRA MO Contract: 625.01

SSCEPPIPE7

Code: ITMO Case No.: SAS No.: SDG No.: V238

ix (soil/water): WATER . Lab Sample ID: P15121-006

rel (low/med): LOW Date Received: 06/25/97

```

; lids:      0.0

```

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

For Before: _____ Clarity Before: _____ Texture: _____

lor After: Clarity After: Artifacts:

1. Elements:

FORM I - IN

TCLP

000009

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-7B

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V264

Matrix : (soil/water) SOIL

Lab Sample ID: 15474-003

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-22-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 08-05-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 08-19-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE8

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238
Matrix: (soil/water) SOIL Lab Sample ID: 15121-007
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 06-23-97
Moisture: not dec. _____ Date Analyzed: 06-27-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000027

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-8

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-007

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-29-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000038

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPIPE8

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-007

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7289

Level: (low/med) LOW

Date Received: 06/25/97

Moisture: not dec.

Date Analyzed: 07/05/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPPIPE8

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

Comments:

000010

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE9

Lab Name: Quanterra, MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix: (soil/water) SOIL Lab Sample ID: 15121-008

Sample wt/vol: 1.0 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 06-23-97

% Moisture: not dec. Date Analyzed: 06-27-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000031

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-9

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-008

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. dec.

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-29-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000043

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPPIPE9

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-008

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7290

Level: (low/med) LOW

Date Received: 06/25/97

Moisture: not dec.

Date Analyzed: 07/05/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPPIPE9

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

000011

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE109

Lab Name: Quanterra, MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V238

Matrix: (soil/water) SOIL Lab Sample ID: 15121-009

Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-23-97

Moisture: not dec. _____ Date Analyzed: 06-27-97

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. Compound Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Z: Pattern appears to be multi-peaks, but does not match gasoline

L: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000035

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-PIPE-109

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix : (soil/water) SOIL

Lab Sample ID: 15121-009

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 06-23-97

% Moisture: not dec. dec.

Date Extracted: 06-27-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 06-29-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPPPIPE109

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V12101

SAS No.:

SDG No.: V238

Matrix: (soil/water) SOIL

Lab Sample ID: 15121-009

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7320

Level: (low/med) LOW

Date Received: 06/25/97

Moisture: not dec.

Date Analyzed: 07/06/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

SSCEPPIPE109

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V238

Matrix (soil/water): WATER

Lab Sample ID: P15121-009

Level (low/med): LOW

Date Received: 06/25/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN

TCLP

000005

VOLUME 2
APPENDIX B

TABLE 5 ANALYTICAL DATA

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH:8015M			VOCs (mg/kg)	TCLP METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JULY 28-29 AND AUGUST 20, 1997							
Below Outfall Pipe Along 6-05 Road	SSCEP-6800-001	0-15.2 [0-6]	ND	ND	53	Acetone 0.071	Ba 0.870
Inside Outfall Pipe Along 6-05 Road	OUTFALL-1	NA	ND	430	2,100	ND	Ba 0.969 Cd 0.067
Collected Within Grate Box	OUTFALL-2	NA	ND	640	2,400	ND	Ba 0.577 Cd 0.017

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

^b **VOCs:** Volatile Organic Compounds.

^c **TCLP:** Toxicity Characteristic Leaching Procedure.

Ba Barium

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

NA: Not Analyzed/Not Applicable

cm: centimeter

mg/kg: milligrams per kilogram

mg/l: milligrams per liter

*** :** Misidentified as a "6800" sample instead of a sample from the former steam cleaning grate.

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-6800-1

Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V262

Matrix: (soil/water) SOIL

Lab Sample ID: 15441-002

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-28-97

Moisture: not dec. _____

Date Analyzed: 08-04-97

Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

LBH (1)

500

U

Concentration of analyte is less than the value given.

Possibly weathered gasoline.

Pattern reasonably matches gasoline

Pattern appears to be multi-peaks, but does not match gasoline

Concentration is primarily from a single peak

1. Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000006

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-6800-1

Lab Name: QUANTERRA MOContract: 625.01Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V262Matrix: (soil/water) SOILLab Sample ID: 15441-002Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOWDate Sampled: 07-28-97

Moisture: not dec. _____ dec. _____

Date Extracted: 08-01-97Extraction: (SepF/Cont/Sonc/Shak) SHAKDate Analyzed: 08-05-97GPC Cleanup: (Y/N) N pH: _____Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>53</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP6800-1

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V44101

SAS No.:

SDG No.: V262

ix: (soil/water) SOIL

Lab Sample ID: 15441-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F1199

Rel: (low/med) LOW

Date Received: 07/30/97

Moisture: not dec.

Date Analyzed: 08/11/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	71	
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SSCEP-6800-1

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V262

Matrix (soil/water): WATER Lab Sample ID: P15441-002

Level (low/med): LOW Date Received: 07/30/97

* Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN

TCLP

000004

AS LABORATORIES

&T GAS/BTEX

i GAS/BTEX

Client Sample ID:	OUTFALL-1	LAS Sample ID:	L10317-9
Date Collected:	20-AUG-97	Date Received:	20-AUG-97
Date Analyzed:	29-AUG-97	Analytical Batch ID:	082797-BTEX-GC4
Date Extracted:	N/A	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	2.0
Percent Moisture:	11.48		

SURROGATE	RECOVERY	QC Limits
BFB	70%	60-140
1,4-DFB	115%	70-130

CONSTITUENT	CAS NO.	RESULT ug/Kg	PQL ug/Kg	DATA QUALIFIER(S)
Online Range Organics	8006-61-9	<230	230	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	OUTFALL-1	LAS Sample ID:	L10317-9
Date Collected:	20-AUG-97	Date Received:	20-AUG-97
Date Analyzed:	16-SEP-97	Analytical Batch ID:	091597-8015-D-2
Date Extracted:	28-AUG-97	Analytical Dilution:	10
Matrix:	Soil	Preparation Dilution:	0.98
Percent Moisture:	11.48	QC Group:	8015M - TPH_52800

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	523% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	430	330	
MOTOR OIL		2100	330	

LAS LABORATORIES

3 /MS FOR VOLATILE ORGANICS
3 10 VOLATILES

Client Sample ID: OUTFALL-1
Date Collected: 20-AUG-97
Date Analyzed: 03-SEP-97
Matrix: Soil
Percent Moisture: 11.48

LAL Sample ID: L10317-3
Date Received: 20-AUG-97
Analytical Dilution: 1
Analytical Batch ID: 090397-8260A-D1
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	90%	84-120
Bromofluorobenzene	89%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
1 Bromomethane	74-87-3	<5.6	5.6	
1 Vinyl Chloride	75-01-4	<5.6	5.6	
3 Bromomethane	74-83-9	<5.6	5.6	
2 Chloroethane	75-00-3	<5.6	5.6	
1 1-Chlorofluoromethane	75-69-4	<5.6	5.6	
1 Acetone	67-64-1	<11.	11.	
1 1,1-Dichloroethene	75-35-4	<5.6	5.6	
2 Carbon Disulfide	75-15-0	<5.6	5.6	
4 Ethylene Chloride	75-09-2	<5.6	5.6	
trans-1,2-Dichloroethene	156-60-5	<5.6	5.6	
1 Vinyl Acetate	108-05-4	<11.	11.	
1 1,1-Dichloroethane	75-34-3	<5.6	5.6	
2-Butanone	78-93-3	<11.	11.	
cis-1,2-Dichloroethene	156-59-2	<5.6	5.6	
2 Chloroform	67-66-3	<5.6	5.6	
2 Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	2.0	5.6	J
Carbon tetrachloride	56-23-5	<5.6	5.6	
1 2-Dichloroethane	107-06-2	<5.6	5.6	
3 Benzene	71-43-2	<5.6	5.6	
1 Trichloroethene	79-01-6	<5.6	5.6	
1,2-Dichloropropane	78-87-5	<5.6	5.6	
3 Dimodichloromethane	75-27-4	<5.6	5.6	
2 Chloroethylvinylether	110-75-8	<23.	23.	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
cis-1,3-Dichloropropene	10061-01-5	<5.6	5.6	
1 Toluene	108-88-3	<5.6	5.6	
trans-1,3-Dichloropropene	10061-02-6	<5.6	5.6	
1,1,2-Trichloroethane	79-00-5	<5.6	5.6	
1 Trachloroethene	127-18-4	<5.6	5.6	
1 Bromochloromethane	124-48-1	<5.6	5.6	
1 Chlorobenzene	108-90-7	<5.6	5.6	
1 Ethylbenzene	100-41-4	<5.6	5.6	
1 m p-Xylene	136777-61-2	<5.6	5.6	
1 o Xylene	95-47-6	<5.6	5.6	
1 Styrene	100-42-5	<5.6	5.6	
1 Bromoform	75-25-2	<5.6	5.6	
1 1,2,2-Tetrachloroethane	79-34-5	<5.6	5.6	
1 3-Dichlorobenzene	541-73-1	<5.6	5.6	
1,4-Dichlorobenzene	106-46-7	<5.6	5.6	
1 2-Dichlorobenzene	95-50-1	<5.6	5.6	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	OUTFALL-2	LAS Sample ID:	L10317-13
Date Collected:	20-AUG-97	Date Received:	20-AUG-97
Date Analyzed:	18-SEP-97	Analytical Batch ID:	091597-8015-D-5
Date Extracted:	28-AUG-97	Analytical Dilution:	10
Matrix:	Soil	Preparation Dilution:	0.98
Percent Moisture:	9.15	QC Group:	8015M - TPH_52800

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	273% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
iesel Range Organics	TPH	640	320	
LATOR OIL		2400	320	

LAS LABORATORIES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	OUTFALL-2	LAL Sample ID:	L10317-7
Date Collected:	20-AUG-97	Date Received:	20-AUG-97
Date Analyzed:	03-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	090397-8260A-D1
Percent Moisture:	9.15	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	95%	77-127
Toluene-d8	90%	84-120
Bromofluorobenzene	90%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER (
Chloromethane	74-87-3	<5.5	5.5	
Vinyl Chloride	75-01-4	<5.5	5.5	
Bromomethane	74-83-9	<5.5	5.5	
Chloroethane	75-00-3	<5.5	5.5	
Trichlorofluoromethane	75-69-4	<5.5	5.5	
Acetone	67-64-1	<11.	11.	
1,1-Dichloroethene	75-35-4	<5.5	5.5	
Carbon Disulfide	75-15-0	<5.5	5.5	
Methylene Chloride	75-09-2	<5.5	5.5	
trans-1,2-Dichloroethene	156-60-5	<5.5	5.5	
Vinyl Acetate	108-05-4	<11.	11.	
1,1-Dichloroethane	75-34-3	<5.5	5.5	
2-Butanone	78-93-3	<11.	11.	
cis-1,2-Dichloroethene	156-59-2	<5.5	5.5	
Chloroform	67-66-3	<5.5	5.5	
2-Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	<5.5	5.5	
Carbon tetrachloride	56-23-5	<5.5	5.5	
1,2-Dichloroethane	107-06-2	<5.5	5.5	
Benzene	71-43-2	<5.5	5.5	
Trichloroethene	79-01-6	<5.5	5.5	
1,2-Dichloropropane	78-87-5	<5.5	5.5	
Bromodichloromethane	75-27-4	<5.5	5.5	
2-Chloroethylvinylether	110-75-8	<22.	22.	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
cis-1,3-Dichloropropene	10061-01-5	<5.5	5.5	
Toluene	108-88-3	<5.5	5.5	
trans-1,3-Dichloropropene	10061-02-6	<5.5	5.5	
1,1,2-Trichloroethane	79-00-5	<5.5	5.5	
Tetrachloroethene	127-18-4	<5.5	5.5	
Dibromochloromethane	124-48-1	<5.5	5.5	
Chlorobenzene	108-90-7	<5.5	5.5	
Ethylbenzene	100-41-4	<5.5	5.5	
m,p-Xylene	136777-61-2	<5.5	5.5	
o-Xylene	95-47-6	<5.5	5.5	
Styrene	100-42-5	<5.5	5.5	
Bromoform	75-25-2	<5.5	5.5	
1,1,2,2-Tetrachloroethane	79-34-5	<5.5	5.5	
1,3-Dichlorobenzene	541-73-1	<5.5	5.5	
1,4-Dichlorobenzene	106-46-7	<5.5	5.5	
1,2-Dichlorobenzene	95-50-1	<5.5	5.5	

LAS LABORATORY ES

P&T GAS/BTEX
P&T GAS/BTEX

Client Sample ID: OUTFALL-2
Date Collected: 20-AUG-97
Date Analyzed: 28-AUG-97
Date Extracted: N/A
Matrix: Soil
Percent Moisture: 9.15

LAS Sample ID: L10317-13
Date Received: 20-AUG-97
Analytical Batch ID: 082797-BTEX-GC4
Analytical Dilution: 1
Preparation Dilution: 2.0

SURROGATE	RECOVERY	QC Limits
BFB	95%	60-140
1,4-DFB	105%	70-130

CONSTITUENT	CAS NO.	RESULT ug/Kg	PQL ug/Kg	DATA QUALIFIER(S)
Gasoline Range Organics	8006-61-9	<220	220	

INORGANIC ANALYSES DATA SHEET

OUTFALL-2

Contract: BECHTEL -

Case No.: 820BNE

SAS No. :

SDG No.: L10317

Matrix (soil/water): WATER

Lab Sample ID: L10317-13

Level (low/med): LOW

Date Received: 08/20/97

3 Solids: 0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

COLORLESS Clarity Before: CLEAR_ Texture: _____

COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

0003

VOLUME 2
APPENDIX B

TABLE 6 ANALYTICAL DATA

TABLE 6: SUMMARY OF SOUTH SCEP ZONE 2 VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH/8015M			VOCS (mg/kg)	TGAP METALS (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JULY 1, 1997							
Cell No. 1	SSCEP-V1-1	0-15.2 [0-6]	ND	ND	3,200	ND	Ba 0.882 Ag 0.029
Cell No. 34	SSCEP-V1-34	0-15.2 [0-6]	ND	ND	1,200	ND	Ba 0.628
Cell No. 36	SSCEP-V1-36	0-15.2 [0-6]	7,300	ND	1,600	Acetone 0.038	Ba 0.833
	SSCEP-V2-36	0-15.2 [0-6]	NA	NA	NA	ND	NA
Cell No. 48	SSCEP-V1-48	0-15.2 [0-6]	ND	ND	1,200	ND	Ba 0.755 Cd 0.012 Ag 0.027
Cell No. 60	SSCEP-V1-60	0-15.2 [0-6]	ND	ND	7,100	ND	Ba 0.528 Cd 0.021 Ag 0.028
Cell No. 67	SSCEP-V1-67	0-15.2 [0-6]	ND	ND	72	ND	Ba 1.120
Cell No. 70	SSCEP-V1-70	0-15.2 [0-6]	ND	ND	1,300	ND	Ba 1.050
Cell No. 76	SSCEP-V1-76	0-15.2 [0-6]	ND	ND	2,000	Carbon Disulfide 0.008	Ba 0.621
	SSCEP-V2-76	0-15.2 [0-6]	NA	NA	NA	Acetone 0.046	NA
Cell No. 79	SSCEP-V1-79	0-15.2 [0-6]	ND	ND	410	ND	Ba 0.883
	SSCEP-V1-790 (Duplicate of 79)	0-15.2 [0-6]	ND	ND	420	Acetone 0.074	Ba 0.743
Cell No. 87	SSCEP-V1-87	0-15.2 [0-6]	ND	ND	260	ND	Ba 0.761
Cell No. 90	SSCEP-V1-90	0-15.2 [0-6]	ND	ND	ND	ND	Ba 0.909
	SSCEP-V2-90	0-15.2 [0-6]	NA	NA	NA	ND	NA

TABLE 6: SUMMARY OF SOUTH SCEP ZONE 2 VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm; [inches])	TPH 8015M ^a			VOCS ^b (mg/kg)	TCLP METALS ^c (mg/l)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED JULY 1, 1997							
Cell No. 101	SSCEP-V1-101	0-15.2 [0-6]	ND	ND	ND	ND	Ba 0.954
Cell No. 108	SSCEP-V1-108	0-15.2 [0-6]	ND	ND	52	ND	Ba 0.701 Ag 0.032
Cell No. 111	SSCEP-V1-111	0-15.2 [0-6]	ND	ND	2,600	ND	Ba 0.634
Cell No. 129	SSCEP-V1-129	0-15.2 [0-6]	ND	ND	310	Carbon Disulfide 0.009 Tetrachloroethene 0.006	Ba 0.861
	SSCEP-V2-129	0-15.2 [0-6]	NA	NA	NA	ND	NA

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

^b **VOCS:** Volatile Organic Compounds.

^c **TCLP:** Toxicity Characteristic Leaching Procedure.

Ag Silver, Ba Barium, Cd Cadmium.

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

cm: centimeter

mg/kg: milligrams per kilogram

mg/l: milligrams per liter

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-001

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix: (soil/water) SOIL Lab Sample ID: 15230-005
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 % Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

- U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 V: Pattern appears to be multi-peaks, but does not match gasoline
 P: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-001

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-005

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. dec.

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 10

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>3200</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPVI001

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7482

Level: (low/med) LOW

Date Received: 07/03/97

Moisture: not dec.

Date Analyzed: 07/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	7	B
67-64-1-----	Acetone	36	
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	7	B
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI001RE

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-005RE

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7498

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	11	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPVI001

Is: 0.0

000004

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-034

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-012

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-01-97

% Moisture: not dec. _____

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

- U: Concentration of analyte is less than the value given.
X: Pattern reasonably matches gasoline
Y: Pattern appears to be multi-peaks, but does not match gasoline
Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-034

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-012

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>1200</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI034

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-012

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7515

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	5	U
67-64-1	-----Acetone	2	J
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	20	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	20	U
591-78-6	-----2-Hexanone	20	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U
1330-20-7	-----Xylene (total)	5	U

TCLP

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-036

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-009

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-01-97

% Moisture: not dec. _____

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

Compound

Q

<u>LBH (1)</u>	<u>7300</u>	<u>Y</u>
----------------	-------------	----------

- U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline.
 Z: Concentration is primarily from a single peak
- (1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-036

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-009

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

Cleanup: (Y/N) N

pH: _____

Dilution Factor: 10

SAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>1600</u>	

: Concentration of analyte is less than the value given.

FORM I HBH

000078

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI036

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-009

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7501

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	12	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPVI036RE

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V23001 SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL Lab Sample ID: 15230-009RE

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G7512

Level: (low/med) LOW Date Received: 07/03/97

Moisture: not dec. Date Analyzed: 07/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	38	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	9	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	3	BJ
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI036

000506

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPV2036

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V41401

SAS No.:

SDG No.: V258

Matrix: (soil/water) SOIL

Lab Sample ID: 15414-001

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F1149

Level: (low/med) LOW

Date Received: 07/25/97

Moisture: not dec.

Date Analyzed: 08/06/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extraction Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	7	BJ
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BJ
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-048

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-007

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-01-97

% Moisture: not dec. _____

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-048

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-007

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Reaction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:

AS NO.

Compound

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>1200</u>	

Concentration of analyte is less than the value given.

FORM I HBH

000059

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI048

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-007

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7499

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	6	J
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPVI048

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

2 ts:

000007

EPA SAMPLE NO.

SSCEP-VI-060

Contract: 625.01

SAS No.: _____ SDG No.: V245

Lab Sample ID: 15230-008

Lab File ID:

Date Sampled: 07-01-97

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

0

LBH (1)	500	U
---------	-----	---

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-060

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-008

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. dec.

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GC Cleanup: (Y/N) N pH:

Dilution Factor: 20

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>7100</u>	

7): Concentration of analyte is less than the value given.

FORM I HBH

000069

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI060

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-008

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7500

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	11	J
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI060

TCLP

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-67

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
Matrix : (soil/water) SOIL Lab Sample ID: 15230-015
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 07-01-97
% Moisture: not dec. _____ Date Analyzed: 07-12-97
Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.
X: Pattern reasonably matches gasoline
Y: Pattern appears to be multi-peaks, but does not match gasoline
Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-67

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-015

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. dec.

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>72</u>	

"": Concentration of analyte is less than the value given.

FORM I HBH

000129

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI67

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-015

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7518

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI67

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Before: _____ Clarity Before: _____ Texture: _____
After: _____ Clarity After: _____ Artifacts: _____

15:

FORM I - IN

TCLP .

000016

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-70

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-016

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-01-97

% Moisture: not dec. _____

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-70

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-016

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 10

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>1300</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000137

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI70

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-016

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7551

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/15/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	BJ
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPVI70

Name: QUANTERRA_MO _____ Contract: 625.01 _____
 Code: ITMO _____ Case No.: SW846 _____ SAS No.: _____ SDG No.: V245 _____
 (soil/water): WATER _____ Lab Sample ID: P15230-016
 (low/med): LOW _____ Date Received: 07/03/97
 Results: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

Before: _____ Clarity Before: _____ Texture: _____
After: _____ Clarity After: _____ Artifacts: _____

L-S:

FORM I - IN

TCLP

000017

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.:

SSCEP-VI-076

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
Matrix : (soil/water) SOIL Lab Sample ID: 15230-006
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 07-01-97
% Moisture: not dec. _____ Date Analyzed: 07-12-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
	LBH (1)	500	U

U: Concentration of analyte is less than the value given.
X: Pattern reasonably matches gasoline
Y: Pattern appears to be multi-peaks, but does not match gasoline
Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-076

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-006

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

Cleanup: (Y/N) N pH: _____

Dilution Factor: 10

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>2000</u>	

Concentration of analyte is less than the value given.

FORM I HBH

000050

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI076

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-006

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7483

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	5	B
67-64-1	-----Acetone	20	U
75-15-0	-----Carbon Disulfide	8	
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	20	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	4	J
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	20	U
591-78-6	-----2-Hexanone	20	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U
1330-20-7	-----Xylene (total)	5	U

EPA SAMPLE NO.

SSCEPVI076

a e: QUANTERRA MO Contract: 625.01

Code: ITMO Case No.: SW846 SAS No.: SDG No.: V245

(soil/water): WATER Lab Sample ID: P15230-006

(low/med) : LOW Date Received: 07/03/97

i_s: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Before: _____ Clarity Before: _____ Texture: _____

After: _____ Clarity After: _____ Artifacts: _____

U.S.:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC

SSCEPV2076

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V41401

SAS No.:

SDG No.: V258

Matrix: (soil/water) SOIL

Lab Sample ID: 15414-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F1150

Level: (low/med) LOW

Date Received: 07/25/97

% Moisture: not dec.

Date Analyzed: 08/06/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	9	BJ
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	B
67-64-1-----	Acetone	46	
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

000012

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-079

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix: (soil/water) SOIL Lab Sample ID: 15230-001
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 % Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

LBH (1)	500	U
---------	-----	---

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 : Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-079

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-001

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-16-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>410</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000008

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPVI079

b. Name: QUANTERRA MO

Contract: 625-01

k Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

trix: (soil/water) SOIL

Lab Sample ID: 15230-001

le wt/vol: 5.00 (g/mL) G

Lab File ID: G7478

vel: (low/med) LOW

Date Received: 07/03/97

Moisture: not dec.

Date Analyzed: 07/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

il Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	B
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	BJ
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI079

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

FORM I - IN

TCLP

000010

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-790

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix: (soil/water) SOIL Lab Sample ID: 15230-002
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

LBH (1)	500	U
---------	-----	---

- U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 I: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000011

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-790

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-002

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-16-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>420</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000017

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPVI790

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V23001 SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL Lab Sample ID: 15230-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G7488

Level: (low/med) LOW Date Received: 07/03/97

Mixture: not dec. Date Analyzed: 07/12/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Final Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	6	B
67-64-1-----	Acetone	74	
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

EPA SAMPLE NO.

SSCEPVI790

ab Name: QUANTERRA MO Contract: 625.01

ab Code: ITMO Case No.: SW846 SAS No.: SDG No.: V245

atrix (soil/water): WATER Lab Sample ID: P15230-002

Level (low/med): LOW Date Received: 07/03/97

Solids: . 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

comments:

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-87

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: SAS No.: SDG No.: V245
Matrix : (soil/water) SOIL Lab Sample ID: 15230-014
Sample wt/vol: 1.0 (g/ml) G Lab File ID:
Level: (low/med) LOW Date Sampled: 07-01-97
Moisture: not dec. Date Analyzed: 07-12-97
Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

Compound

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

- U: Concentration of analyte is less than the value given.
V: Pattern reasonably matches gasoline
W: Pattern appears to be multi-peaks, but does not match gasoline
X: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000058

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-87

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-014

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

DIESEL	25	U
KEROSENE	25	U
WASTE OIL	260	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI87

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V23001 SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL Lab Sample ID: 15230-014

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G7517

Rel: (low/med) LOW Date Received: 07/03/97

Moisture: not dec. Date Analyzed: 07/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI87

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

FORM I - IN

TCLP

000019

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-090

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix: (soil/water) SOIL Lab Sample ID: 15230-011
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	Compound	
	<u>LBH (1)</u>	<u>500</u>
		<u>U</u>

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 : Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-090

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-011

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

FORM I HBH

000095

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPVI090

b Name: QUANTERRA MO Contract: 625-01

b Code: ITMO Case No.: V23001 SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL Lab Sample ID: 15230-011

Sample wt/vol: 5.00 (g/mL) G Lab File ID: G7514

Level: (low/med) LOW Date Received: 07/03/97

Mixture: not dec. Date Analyzed: 07/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPVI090

000511

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPV2090

ah Name: QUANTERRA MO

Contract: 625-01

ad Code: ITMO

Case No.: V41401

SAS No.:

SDG No.: V258

Matrix: (soil/water) SOIL

Lab Sample ID: 15414-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F1151

Level: (low/med) LOW

Date Received: 07/25/97

Moisture: not dec.

Date Analyzed: 08/06/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

1 Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	7	BJ
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	6	J
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	3	J
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

000015

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-101

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix : (soil/water) SOIL Lab Sample ID: 15230-010
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 % Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-101

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-010

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

CPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. |

SSCEPVI101

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-010

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7513

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	6	J
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-108

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix : (soil/water) SOIL Lab Sample ID: 15230-004
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 % Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak.

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-108

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-004

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-16-97

SD Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

DIESEL	25	U
KEROSENE	25	U
WASTE OIL	52	

": Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI108

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-004

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7481

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	B
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	BJ
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1

INORGANIC ANALYSES DATA SHEET

SSCEPVI108

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

I ;S:

000013

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-111

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V245

Matrix : (soil/water) SOIL

Lab Sample ID: 15230-013

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-01-97

% Moisture: not dec. _____

Date Analyzed: 07-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-111

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-013

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 07-16-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-17-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>KEROSENE</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>2600</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000112

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

SSCEPVI111

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-013

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7550

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/15/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-129

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V245
 Matrix : (soil/water) SOIL Lab Sample ID: 15230-003
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 07-01-97
 % Moisture: not dec. _____ Date Analyzed: 07-12-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEP-VI-129

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-003

Sample wt/vol: 20.0 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 07-16-97

Moisture: not dec. dec.

Date Extracted: 07-10-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 07-16-97

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

KEROSENE

25

U

WASTE OIL

310

": Concentration of analyte is less than the value given.

FORM I HBH

000026

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

SSCEPVI129

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V23001

SAS No.:

SDG No.: V245

Matrix: (soil/water) SOIL

Lab Sample ID: 15230-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: G7480

Level: (low/med) LOW

Date Received: 07/03/97

% Moisture: not dec.

Date Analyzed: 07/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	5	B
67-64-1	-----Acetone	20	U
75-15-0	-----Carbon Disulfide	9	
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (total)	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	20	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	20	U
591-78-6	-----2-Hexanone	20	U
127-18-4	-----Tetrachloroethene	6	
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U
1330-20-7	-----Xylene (total)	5	U

1
INORGANIC ANALYSES DATA SHEET

SSCEPVI129

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

AS:

000,15

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSCEPV2129

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V41401

SAS No.:

SDG No.: V258

Matrix: (soil/water) SOIL

Lab Sample ID: 15414-004

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F1152

Level: (low/med) LOW

Date Received: 07/25/97

% Moisture: not dec.

Date Analyzed: 08/06/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	8	BJ
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	BJ
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	12	J
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

VOLUME 2
APPENDIX B

TABLE 7 ANALYTICAL DATA

TABLE 7: SUMMARY OF SOUTH SCEF ZONE 5 VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M			VOCS (mg/kg)	SVOC (mg/kg)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED AUGUST 27, 1997							
Cell No. 20	SSCEP-V3-20	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 24	SSCEP-V3-24	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 25	SSCEP-V3-25	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-25	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 30	SSCEP-V3-30	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-30	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 44	SSCEP-V3-44	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-44	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 59	SSCEP-V3-59A	0-15.2 [0-6]	ND	ND	ND	ND	ND
Cell No. 63	SSCEP-V3-63A	0-15.2 [0-6]	NA	NA	NA	Methylene Chloride . 0.0058	ND
Cell No. 68	SSCEP-V3-68	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 82	SSCEP-V3-82	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 108	SSCEP-V3-108	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 115	SSCEP-V3-115	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-115	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 115	SSCEP-V3-115A	0-15.2 [0-6]	ND	ND	ND	ND	ND
Cell No. 116	SSCEP-V3-116	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-116	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 119	SSCEP-V3-119A	0-15.2 [0-6]	NA	NA	NA	ND	ND
Cell No. 130	SSCEP-V3-130	0-15.2 [0-6]	ND	ND	44	NA	NA

TABLE 7: SUMMARY OF SOUTH SCEP ZONE 3 VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCs ^b (mg/kg)	SVOC ^c (mg/kg)
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)		
SAMPLES COLLECTED AUGUST 27, 1997							
Cell No. 131	SSCEP-V3-131	0-15.2 [0-6]	ND	ND	ND	NA	NA
	SSCEP-V4-131	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 133	SSCEP-V3-133	0-15.2 [0-6]	ND	ND	ND	NA	NA
Cell No. 154	SSCEP-V3-154	0-15.2 [0-6]	ND	ND	ND	NA	NA

Notes:

^a **TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.

^b **VOCs:** Volatile Organic Compounds.

^c **SVOC:** Semi-Volatile Organic Compounds

SCEP: Steam Cleaning Effluent Pond

ND: Not Detected

ND: Not Analyzed

cm: centimeter

mg/kg: milligrams per kilogram

LABORATORIES

1. PETROLEUM HYDROCARBONS (TPH)

SM - TPH

Client Sample ID:	SSCEP-V3-020	IAS Sample ID:	L10395-97
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 21:49	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.83	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	32%	25-162

STITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
sel Range Organics	TPH	<32.	32.	
oline Range Organics		<32.	32.	
Oil		<32.	32.	

000933

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	SSCEP-V3-024	LAS Sample ID:	L10395-72
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 01:27	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	8.45	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	42%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<33.	33.	
Gasoline Range Organics		<33.	33.	
MOTOR OIL		<33.	33.	

17 LABORATORIES

2. PETROLEUM HYDROCARBONS (TPH) 5m - TPH

Client Sample ID:	SSCEP-V3-025	LAS Sample ID:	L10395-74
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 02:56	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	1.44	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	41%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
# 1 Range Organics	TPH	<30.	30.	
Poline Range Organics		<30.	30.	
TPH OIL		<30.	30.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V4-25	LAS Sample ID:	L10479-4
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	25-SEP-97	Analytical Batch ID:	091797-8015-D-6
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	7.45	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	147%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	EQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

1, PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-030	IAS Sample ID:	L10395-99
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 23:18	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	1.73	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	34%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Soil Range Organics	TPH	<30.	30.	
Polycyclic Aromatic Hydrocarbons		<30.	30.	
Crude Oil		<30.	30.	

000935

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	SSCEP-V4-30	LAS Sample ID:	L10479-5
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	25-SEP-97	Analytical Batch ID:	091797-8015-D-6
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.97
Percent Moisture:	7.92	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	155%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PCL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

1. PETROLEUM HYDROCARBONS (TPH)
SM - TPH

Client Sample ID:	SSCEP-V3-044	IAS Sample ID:	L10395-101
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	21-SEP-97 00:47	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.13	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	33%	25-162

STITUENT	CAS NO.	DATA		
		RESULT	PQL	QUALIFIER(S)
		mg/kg	mg/kg	
sol Range Organics	TPH	<32.	32.	
oline Range Organics		<32.	32.	
OIL		<32.	32.	

000987

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)

8015M - TPH

Client Sample ID:	SSCEP-V4-44	LAS Sample ID:	L10479-6
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	26-SEP-97	Analytical Batch ID:	091797-8015-D-6
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	11.64	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	150%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<34.	34.	
Gasoline Range Organics		<34.	34.	
MOTOR OIL		<34.	34.	

LABORATORIES

AL PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-59A	LAS Sample ID:	L10395-66
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 08:04	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	6.24	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	72%	25-162

STIMULANT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
sel Range Organics	TPH	<32.	32.	
o ine Range Organics		<32.	32.	
C OIL		<32.	32.	

LAS LABORATORIES

VOLATILE ORGANICS BY GC/MS
8260 VOLATILES

Client Sample ID: SSCEP-V3-59A
Date Collected: 27-AUG-97
Date Analyzed: 09-SEP-97 12:30
Matrix: Soil
Percent Moisture: 6.24

LAS Sample ID: L10395-52
Date Received: 28-AUG-97
Analytical Dilution: 1
Analytical Batch ID: 090997-8260-E1
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	101%	77-127
Toluene-d8	98%	84-120
Bromofluorobenzene	94%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.3	5.3	
Vinyl Chloride	75-01-4	<5.3	5.3	
Bromomethane	74-83-9	<5.3	5.3	
Chloroethane	75-00-3	<5.3	5.3	
Trichlorofluoromethane	75-69-4	<5.3	5.3	
Acetone	67-64-1	<11.	11.	
1,1-Dichloroethene	75-35-4	<5.3	5.3	
Carbon Disulfide	75-15-0	<5.3	5.3	
Methylene Chloride	75-09-2	<5.3	5.3	
trans-1,2-Dichloroethene	156-60-5	<5.3	5.3	
Vinyl Acetate	108-05-4	<11.	11.	
1,1-Dichloroethane	75-34-3	<5.3	5.3	
2-Butanone	78-93-3	<11.	11.	
cis-1,2-Dichloroethene	156-59-2	<5.3	5.3	
Chloroform	67-66-3	<5.3	5.3	
2-Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	<5.3	5.3	
Carbon tetrachloride	56-23-5	<5.3	5.3	
1,2-Dichloroethane	107-06-2	<5.3	5.3	
Benzene	71-43-2	<5.3	5.3	
Trichloroethene	79-01-6	<5.3	5.3	
1,2-Dichloropropane	78-87-5	<5.3	5.3	
Bromodichloromethane	75-27-4	<5.3	5.3	
2-Chloroethylvinylether	110-75-8	<21.	21.	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
cis-1,3-Dichloropropene	10061-01-5	<5.3	5.3	
Toluene	108-88-3	<5.3	5.3	
trans-1,3-Dichloropropene	10061-02-6	<5.3	5.3	
1,1,2-Trichloroethane	79-00-5	<5.3	5.3	
Tetrachloroethene	127-18-4	<5.3	5.3	
Dibromochloromethane	124-48-1	<5.3	5.3	
Chlorobenzene	108-90-7	<5.3	5.3	
Ethylbenzene	100-41-4	<5.3	5.3	
m,p-Xylene	136777-61-2	<5.3	5.3	
o-Xylene	95-47-6	<5.3	5.3	
Styrene	100-42-5	<5.3	5.3	
Bromoform	75-25-2	<5.3	5.3	
1,1,2,2-Tetrachloroethane	79-34-5	<5.3	5.3	
1,3-Dichlorobenzene	541-73-1	<5.3	5.3	
1,4-Dichlorobenzene	106-46-7	<5.3	5.3	
1,2-Dichlorobenzene	95-50-1	<5.3	5.3	

00000

LABORATORIES

1-VOLATILE ORGANICS BY GC/MS
2 SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-59A	LAL Sample ID:	L10395-57
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	6.24	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	63%	15-111
Phenol-d5	71%	21-110
Nitrobenzene-d5	70%	17-114
2-Fluorobiphenyl	77%	29-114
2,4,6-Tribromophenol	101%	33-136
Terphenyl-d14	75%	32-151

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Phenol	108-95-2	<710	710	
bis(2-Chloroethyl) ether	111-44-4	<710	710	
2-Chlorophenol	95-57-8	<710	710	
1,3-Dichlorobenzene	541-73-1	<710	710	
1,4-Dichlorobenzene	106-46-7	<710	710	
Benzyl alcohol	100-51-6	<1400	1400	
1,2-Dichlorobenzene	95-50-1	<710	710	
2-Methylphenol	95-48-7	<710	710	
bis(2-chloroisopropyl) ether	108-60-1	<710	710	
4-Methylphenol	106-44-5	<710	710	
N-Nitroso-di-n-propylamine	621-64-7	<710	710	
Hexachloroethane	67-72-1	<710	710	
Nitrobenzene	98-95-3	<710	710	
Isophorone	78-59-1	<710	710	
2-Nitrophenol	88-75-5	<710	710	
2,4-Dimethylphenol	105-67-9	<710	710	
Benzoic acid	65-85-0	<3500	3500	
bis(2-Chloroethoxy) methane	111-91-1	<710	710	
2,4-Dichlorophenol	120-83-2	<710	710	
1,2,4-Trichlorobenzene	120-82-1	<710	710	
Naphthalene	91-20-3	<710	710	
4-Chloroaniline	106-47-8	<1400	1400	
Hexachlorobutadiene	87-68-3	<710	710	
4-Chloro-3-methylphenol	59-50-7	<1400	1400	
2-Methylnaphthalene	91-57-6	<710	710	
Hexachlorocyclopentadiene	77-47-4	<710	710	
2,4,6-Trichlorophenol	88-06-2	<710	710	
2,4,5-Trichlorophenol	95-95-4	<710	710	
2-Chloronaphthalene	91-58-7	<710	710	
2-Nitroaniline	88-74-4	<3500	3500	
Dimethylphthalate	131-11-3	<710	710	
Acenaphthylene	208-96-8	<710	710	
2,6-Dinitrotoluene	606-20-2	<710	710	
3-Nitroaniline	99-09-2	<3500	3500	
Acenaphthene	83-32-9	<710	710	
2,4-Dinitrophenol	51-28-5	<3500	3500	
4-Nitrophenol	100-02-7	<3500	3500	

000288

LAS LABORATORIES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-59A	LAL Sample ID:	L10395-57
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	6.24	Preparation Dilution:	1.00

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(S)
Dibenzofuran	132-64-9	<710	710	
2,4-Dinitrotoluene	121-14-2	<710	710	
Diethylphthalate	84-66-2	<710	710	
4-Chlorophenyl-phenylether	7005-72-3	<710	710	
Fluorene	86-73-7	<710	710	
4-Nitroaniline	100-01-6	<3500	3500	
4,6-Dinitro-2-methylphenol	534-52-1	<3500	3500	
N-Nitrosodiphenylamine (1)	86-30-6	<710	710	
4-Bromophenyl-phenylether	101-55-3	<710	710	
Hexachlorobenzene	118-74-1	<710	710	
Pentachlorophenol	87-86-5	<3500	3500	
Phenanthrene	85-01-8	<710	710	
Anthracene	120-12-7	<710	710	
Carbazole	86-74-8	<710	710	
Di-n-butylphthalate	84-74-2	<710	710	
Fluoranthene	206-44-0	<710	710	
Pyrene	129-00-0	<710	710	
Butylbenzylphthalate	85-68-7	<710	710	
3,3'-Dichlorobenzidine	91-94-1	<1400	1400	
Benzo (a) anthracene	56-55-3	<710	710	
Chrysene	218-01-9	<710	710	
bis (2-Ethylhexyl) phthalate	117-81-7	<710	710	
Di-n-octylphthalate	117-84-0	<710	710	
Benzo (b) fluoranthene	205-99-2	<710	710	
Benzo (k) fluoranthene	207-08-9	<710	710	
Benzo (a) pyrene	50-32-8	<710	710	
Indeno (1,2,3-cd) pyrene	193-39-5	<710	710	
Dibenz (a,h) anthracene	53-70-3	<710	710	
Benzo (g,h,i) perylene	191-24-2	<710	710	

000289

LABORATORIES

FILE ORGANICS BY GC/MS
VOLATILES

Client Sample ID: SSCEP-V3-63A
Date Collected: 27-AUG-97
Date Analyzed: 09-SEP-97 11:12
Matrix: Soil
Percent Moisture: 7.32

LAS Sample ID: L10395-48
Date Received: 28-AUG-97
Analytical Dilution: 1
Analytical Batch ID: 090997-8260-E1
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	102%	77-127
Toluene-d8	95%	84-120
Bromofluorobenzene	90%	78-125

AGENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
methane	74-87-3	<5.4	5.4	
Chloride	75-01-4	<5.4	5.4	
omethane	74-83-9	<5.4	5.4	
methane	75-00-3	<5.4	5.4	
rofluoromethane	75-69-4	<5.4	5.4	
ane	67-64-1	<11.	11.	
Dichloroethene	75-35-4	<5.4	5.4	
c Disulfide	75-15-0	<5.4	5.4	
y ene Chloride	75-09-2	5.8	5.4	
s-1,2-Dichloroethene	156-60-5	<5.4	5.4	
l Acetate	108-05-4	<11.	11.	
l chloroethane	75-34-3	<5.4	5.4	
t none	78-93-3	<11.	11.	
1,2-Dichloroethene	156-59-2	<5.4	5.4	
roform	67-66-3	<5.4	5.4	
none	591-78-6	<11.	11.	
1 Trichloroethane	71-55-6	<5.4	5.4	
on tetrachloride	56-23-5	<5.4	5.4	
l chloroethane	107-06-2	<5.4	5.4	
e e	71-43-2	<5.4	5.4	
hloroethene	79-01-6	<5.4	5.4	
Dichloropropane	78-87-5	<5.4	5.4	
l chloromethane	75-27-4	<5.4	5.4	
roethylvinylether	110-75-8	<22.	22.	
ethyl-2-Pentanone	108-10-1	<11.	11.	
1-3-Dichloropropene	10061-01-5	<5.4	5.4	
ne	108-88-3	<5.4	5.4	
1,3-Dichloropropene	10061-02-6	<5.4	5.4	
2-Trichloroethane	79-00-5	<5.4	5.4	
trichloroethene	127-18-4	<5.4	5.4	
rochloromethane	124-48-1	<5.4	5.4	
robenzene	108-90-7	<5.4	5.4	
lbenzene	100-41-4	<5.4	5.4	
ylene	136777-61-2	<5.4	5.4	
ne	95-47-6	<5.4	5.4	
ene	100-42-5	<5.4	5.4	
noform	75-25-2	<5.4	5.4	
1,2-Tetrachloroethane	79-34-5	<5.4	5.4	
l chlorobenzene	541-73-1	<5.4	5.4	
-Dichlorobenzene	106-46-7	<5.4	5.4	
-ichlorobenzene	95-50-1	<5.4	5.4	

000003

LAS LABORATORIES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-63A	LAL Sample ID:	L10395-55
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	7.32	Preparation Dilution:	0.998

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	72%	15-111
Phenol-d5	79%	21-110
Nitrobenzene-d5	77%	17-114
2-Fluorobiphenyl	89%	29-114
2,4,6-Tribromophenol	115%	33-136
Terphenyl-d14	74%	32-151

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER
Phenol	108-95-2	<710	710	
bis(2-Chloroethyl) ether	111-44-4	<710	710	
2-Chlorophenol	95-57-8	<710	710	
1,3-Dichlorobenzene	541-73-1	<710	710	
1,4-Dichlorobenzene	106-46-7	<710	710	
Benzyl alcohol	100-51-6	<1400	1400	
1,2-Dichlorobenzene	95-50-1	<710	710	
2-Methylphenol	95-48-7	<710	710	
bis(2-chloroisopropyl) ether	108-60-1	<710	710	
4-Methylphenol	106-44-5	<710	710	
N-Nitroso-di-n-propylamine	621-64-7	<710	710	
Hexachloroethane	67-72-1	<710	710	
Nitrobenzene	98-95-3	<710	710	
Isophorone	78-59-1	<710	710	
2-Nitrophenol	88-75-5	<710	710	
2,4-Dimethylphenol	105-67-9	<710	710	
Benzoic acid	65-85-0	<3600	3600	
bis(2-Chloroethoxy) methane	111-91-1	<710	710	
2,4-Dichlorophenol	120-83-2	<710	710	
1,2,4-Trichlorobenzene	120-82-1	<710	710	
Naphthalene	91-20-3	<710	710	
4-Chloroaniline	106-47-8	<1400	1400	
Hexachlorobutadiene	87-68-3	<710	710	
4-Chloro-3-methylphenol	59-50-7	<1400	1400	
2-Methylnaphthalene	91-57-6	<710	710	
Hexachlorocyclopentadiene	77-47-4	<710	710	
2,4,6-Trichlorophenol	88-06-2	<710	710	
2,4,5-Trichlorophenol	95-95-4	<710	710	
2-Chloronaphthalene	91-58-7	<710	710	
2-Nitroaniline	88-74-4	<3600	3600	
Dimethylphthalate	131-11-3	<710	710	
Acenaphthylene	208-96-8	<710	710	
2,6-Dinitrotoluene	606-20-2	<710	710	
3-Nitroaniline	99-09-2	<3600	3600	
Acenaphthene	83-32-9	<710	710	
2,4-Dinitrophenol	51-28-5	<3600	3600	
4-Nitrophenol	100-02-7	<3600	3600	

000282

LABORATORIES

[-VOLATILE ORGANICS BY GC/MS
] SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-63A	LAL Sample ID:	L10395-55
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	7.32	Preparation Dilution:	0.998

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL	DATA
			QUANTITATION LIMIT ug/Kg	QUALIFIER(s)
Dibenzofuran	132-64-9	<710	710	
2,4-Dinitrotoluene	121-14-2	<710	710	
Diethylphthalate	84-66-2	<710	710	
4-Chlorophenyl-phenylether	7005-72-3	<710	710	
Fluorene	86-73-7	<710	710	
4-Nitroaniline	100-01-6	<3600	3600	
4,6-Dinitro-2-methylphenol	534-52-1	<3600	3600	
N-Nitrosodiphenylamine (1)	86-30-6	<710	710	
4-Bromophenyl-phenylether	101-55-3	<710	710	
Hexachlorobenzene	118-74-1	<710	710	
Pentachlorophenol	87-86-5	<3600	3600	
Phenanthrene	85-01-8	<710	710	
Anthracene	120-12-7	<710	710	
Carbazole	86-74-8	<710	710	
Di-n-butylphthalate	84-74-2	<710	710	
Fluoranthene	206-44-0	<710	710	
Pyrene	129-00-0	<710	710	
Butylbenzylphthalate	85-68-7	<710	710	
3,3'-Dichlorobenzidine	91-94-1	<1400	1400	
Benzo(a)anthracene	56-55-3	<710	710	
Chrysene	218-01-9	<710	710	
bis(2-Ethylhexyl)phthalate	117-81-7	<710	710	
Di-n-octylphthalate	117-84-0	<710	710	
Benzo(b)fluoranthene	205-99-2	<710	710	
Benzo(k)fluoranthene	207-08-9	<710	710	
Benzo(a)pyrene	50-32-8	<710	710	
Indeno(1,2,3-cd)pyrene	193-39-5	<710	710	
Dibenz(a,h)anthracene	53-70-3	<710	710	
Benzo(g,h,i)perylene	191-24-2	<710	710	

000283
K11-11-097

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V3-068	LAS Sample ID:	L10395-73
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 02:12	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	7.23	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	45%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

4 PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-082	LAS Sample ID:	L10395-75
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 03:40	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	7.63	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	30%	25-162

CONSTITUENT	CAS. NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Single Range Organics	TPH	<32.	32.	
Multiple Range Organics		<32.	32.	
CR OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V3-108	LAS Sample ID:	L10395-76
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 04:25	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	7.45	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	42%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

A PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-115	LAS Sample ID:	L10395-100
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	21-SEP-97 00:03	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.89	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	42%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Sea Range Organics	TPH	<32.	32.	
Polycyclic Range Organics		<32.	32.	
Crude OIL		<32.	32.	

000986

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V4-115	LAS Sample ID:	L10479-7
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	28-SEP-97	Analytical Batch ID:	092597-8015-D-3
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	10.58	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	206% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<33.	33.	
Gasoline Range Organics		<33.	33.	
MOTOR OIL		<33.	33.	

LABORATORIES

AL PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-115A	LAS Sample ID:	L10395-54
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 01:25	Analytical Batch ID:	091597-8015-D-6
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.97	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	73%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
el Range Organics	TPH	<32.	32.	
oline Range Organics		<32.	32.	
OIL		<32.	32.	

000942

LAS LABORATORIES

OLATILE ORGANICS BY GC/MS
260 VOLATILES

Client Sample ID:	SSCEP-V3-115A	LAS Sample ID:	L10395-46
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97 10:33	Analytical Dilution:	1
Matrix:	Soil	Analytical Batch ID:	090997-8260-E1
Percent Moisture:	5.97	Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	99%	77-127
Toluene-d8	100%	84-120
Bromofluorobenzene	97%	78-125

CONSTITUENT	CAS NO.	RESULT ug/kg	PQL ug/kg	DATA QUALIFIER(S)
Chloromethane	74-87-3	<5.3	5.3	
Vinyl Chloride	75-01-4	<5.3	5.3	
Bromomethane	74-83-9	<5.3	5.3	
Chloroethane	75-00-3	<5.3	5.3	
Trichlorofluoromethane	75-69-4	<5.3	5.3	
Acetone	67-64-1	<11.	11.	
1,1-Dichloroethene	75-35-4	<5.3	5.3	
Carbon Disulfide	75-15-0	<5.3	5.3	
Methylene Chloride	75-09-2	4.5	5.3	J
trans-1,2-Dichloroethene	156-60-5	<5.3	5.3	
Vinyl Acetate	108-05-4	<11.	11.	
1,1-Dichloroethane	75-34-3	<5.3	5.3	
2-Butanone	78-93-3	<11.	11.	
cis-1,2-Dichloroethene	156-59-2	<5.3	5.3	
Chloroform	67-66-3	<5.3	5.3	
2-Hexanone	591-78-6	<11.	11.	
1,1,1-Trichloroethane	71-55-6	<5.3	5.3	
Carbon tetrachloride	56-23-5	<5.3	5.3	
1,2-Dichloroethane	107-06-2	<5.3	5.3	
Benzene	71-43-2	<5.3	5.3	
Trichloroethene	79-01-6	<5.3	5.3	
1,2-Dichloropropane	78-87-5	<5.3	5.3	
Bromodichloromethane	75-27-4	<5.3	5.3	
2-Chloroethylvinylether	110-75-8	<21.	21.	
4-Methyl-2-Pentanone	108-10-1	<11.	11.	
cis-1,3-Dichloropropene	10061-01-5	<5.3	5.3	
Toluene	108-88-3	<5.3	5.3	
trans-1,3-Dichloropropene	10061-02-6	<5.3	5.3	
1,1,2-Trichloroethane	79-00-5	<5.3	5.3	
Tetrachloroethene	127-18-4	<5.3	5.3	
Dibromochloromethane	124-48-1	<5.3	5.3	
Chlorobenzene	108-90-7	<5.3	5.3	
Ethylbenzene	100-41-4	<5.3	5.3	
m,p-Xylene	136777-61-2	<5.3	5.3	
o-Xylene	95-47-6	<5.3	5.3	
Styrene	100-42-5	<5.3	5.3	
Bromoform	75-25-2	<5.3	5.3	
1,1,2,2-Tetrachloroethane	79-34-5	<5.3	5.3	
1,3-Dichlorobenzene	541-73-1	<5.3	5.3	
1,4-Dichlorobenzene	106-46-7	<5.3	5.3	
1,2-Dichlorobenzene	95-50-1	<5.3	5.3	

000001

LABORATORIES

-VOLATILE ORGANICS BY GC/MS
EMI-VOLATILES

Client Sample ID:	SSCEP-V3-115A	LAL Sample ID:	L10395-54
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	5.97	Preparation Dilution:	0.996

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	68%	15-111
Phenol-d5	70%	21-110
Nitrobenzene-d5	71%	17-114
2-Fluorobiphenyl	70%	29-114
2,4,6-Tribromophenol	93%	33-136
Terphenyl-d14	74%	32-151

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER(s)
Phenol	108-95-2	<700	700	
bis(2-Chloroethyl) ether	111-44-4	<700	700	
2-Chlorophenol	95-57-8	<700	700	
1,3-Dichlorobenzene	541-73-1	<700	700	
1,4-Dichlorobenzene	106-46-7	<700	700	
Benzyl alcohol	100-51-6	<1400	1400	
1,2-Dichlorobenzene	95-50-1	<700	700	
2-Methylphenol	95-48-7	<700	700	
bis(2-chloroisopropyl) ether	108-60-1	<700	700	
4-Methylphenol	106-44-5	<700	700	
N-Nitroso-di-n-propylamine	621-64-7	<700	700	
Hexachloroethane	67-72-1	<700	700	
Nitrobenzene	98-95-3	<700	700	
Isophorone	78-59-1	<700	700	
2-Nitrophenol	88-75-5	<700	700	
2,4-Dimethylphenol	105-67-9	<700	700	
Benzoic acid	65-85-0	<3500	3500	
bis(2-Chloroethoxy) methane	111-91-1	<700	700	
2,4-Dichlorophenol	120-83-2	<700	700	
1,2,4-Trichlorobenzene	120-82-1	<700	700	
Naphthalene	91-20-3	<700	700	
4-Chloroaniline	106-47-8	<1400	1400	
Hexachlorobutadiene	87-68-3	<700	700	
4-Chloro-3-methylphenol	59-50-7	<1400	1400	
2-Methylnaphthalene	91-57-6	<700	700	
Hexachlorocyclopentadiene	77-47-4	<700	700	
2,4,6-Trichlorophenol	88-06-2	<700	700	
2,4,5-Trichlorophenol	95-95-4	<700	700	
2-Chloronaphthalene	91-58-7	<700	700	
2-Nitroaniline	88-74-4	<3500	3500	
Dimethylphthalate	131-11-3	<700	700	
Acenaphthylene	208-96-8	<700	700	
2,6-Dinitrotoluene	606-20-2	<700	700	
3-Nitroaniline	99-09-2	<3500	3500	
Acenaphthene	83-32-9	<700	700	
2,4-Dinitrophenol	51-28-5	<3500	3500	
4-Nitrophenol	100-02-7	<3500	3500	

000279

LAS LABORATORIES

SEMI-VOLATILE ORGANICS BY GC/MS
1270 SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-115A	LAL Sample ID:	L10395-54
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	5.97	Preparation Dilution:	0.996

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL	DATA
			QUANTITATION LIMIT ug/Kg	QUALIFIER(s)
Dibenzofuran	132-64-9	<700	700	
2,4-Dinitrotoluene	121-14-2	<700	700	
Diethylphthalate	84-66-2	<700	700	
4-Chlorophenyl-phenylether	7005-72-3	<700	700	
Fluorene	86-73-7	<700	700	
4-Nitroaniline	100-01-6	<3500	3500	
4,6-Dinitro-2-methylphenol	534-52-1	<3500	3500	
N-Nitrosodiphenylamine (1)	86-30-6	<700	700	
4-Bromophenyl-phenylether	101-55-3	<700	700	
Hexachlorobenzene	118-74-1	<700	700	
Pentachlorophenol	87-86-5	<3500	3500	
Phenanthrene	85-01-8	<700	700	
Anthracene	120-12-7	<700	700	
Carbazole	86-74-8	<700	700	
Di-n-butylphthalate	84-74-2	<700	700	
Fluoranthene	206-44-0	<700	700	
Pyrene	129-00-0	<700	700	
Butylbenzylphthalate	85-68-7	<700	700	
3,3'-Dichlorobenzidine	91-94-1	<1400	1400	
Benzo(a)anthracene	56-55-3	<700	700	
Chrysene	218-01-9	<700	700	
bis(2-Ethylhexyl)phthalate	117-81-7	<700	700	
Di-n-octylphthalate	117-84-0	<700	700	
Benzo(b)fluoranthene	205-99-2	<700	700	
Benzo(k)fluoranthene	207-08-9	<700	700	
Benzo(a)pyrene	50-32-8	<700	700	
Indeno(1,2,3-cd)pyrene	193-39-5	<700	700	
Dibenz(a,h)anthracene	53-70-3	<700	700	
Benzo(g,h,i)perylene	191-24-2	<700	700	

000280

LABORATORIES

A PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	SSCEP-V3-116	LAS Sample ID:	L10395-77
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 05:09	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1:0
Percent Moisture:	6.81	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	47%	25-162

TITULENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Range Organics	TPH	<32.	32.	
line Range Organics		<32.	32.	
P OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	SSCEP-V4-116	LAS Sample ID:	L10479-8.
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	28-SEP-97	Analytical Batch ID:	092597-8015-D-3
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	11.06	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	192% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<33.	33.	
Gasoline Range Organics		<33.	33.	
MOTOR OIL		<33.	33.	

S LABORATORIES

FILE ORGANICS BY GC/MS
VOLATILES

Client Sample ID: SSCEP-V3-119A
Date Collected: 27-AUG-97
Date Analyzed: 09-SEP-97 11:51
Matrix: Soil
Percent Moisture: 5.78

LAS Sample ID: L10395-50
Date Received: 28-AUG-97
Analytical Dilution: 1
Analytical Batch ID: 090997-8260-E1
Preparation Dilution: 1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	101%	77-127
Toluene-d8	99%	84-120
Bromofluorobenzene	93%	78-125

AGENT	CAS NO	RESULT ug/kg	POL ug/kg	DATA QUALIFIER(S)
methane	74-87-3	<5.3	5.3	
l Chloride	75-01-4	<5.3	5.3	
omethane	74-83-9	<5.3	5.3	
roethane	75-00-3	<5.3	5.3	
h profluoromethane	75-69-4	<5.3	5.3	
one	67-64-1	<11.	11.	
Dichloroethene	75-35-4	<5.3	5.3	
o Disulfide	75-15-0	<5.3	5.3	
y ene Chloride	75-09-2	<5.3	5.3	
s-1,2-Dichloroethene	156-60-5	<5.3	5.3	
l Acetate	108-05-4	<11.	11.	
D chloroethane	75-34-3	<5.3	5.3	
t none	78-93-3	<11.	11.	
1,2-Dichloroethene	156-59-2	<5.3	5.3	
roform	67-66-3	<5.3	5.3	
x none	591-78-6	<11.	11.	
l Trichloroethane	71-55-6	<5.3	5.3	
on tetrachloride	56-23-5	<5.3	5.3	
P chloroethane	107-06-2	<5.3	5.3	
e e	71-43-2	<5.3	5.3	
fluoroethene	79-01-6	<5.3	5.3	
Dichloropropane	78-87-5	<5.3	5.3	
ichloromethane	75-27-4	<5.3	5.3	
roethylvinylether	110-75-8	<21.	21.	
ethyl-2-Pentanone	108-10-1	<11.	11.	
1,3-Dichloropropene	10061-01-5	<5.3	5.3	
e	108-88-3	<5.3	5.3	
1,3-Dichloropropene	10061-02-6	<5.3	5.3	
2-Trichloroethane	79-00-5	<5.3	5.3	
achloroethene	127-18-4	<5.3	5.3	
achloromethane	124-48-1	<5.3	5.3	
obenzene	108-90-7	<5.3	5.3	
lbenzene	100-41-4	<5.3	5.3	
ylene	136777-61-2	<5.3	5.3	
ne	95-47-6	<5.3	5.3	
ene	100-42-5	<5.3	5.3	
roform	75-25-2	<5.3	5.3	
2-Tetrachloroethane	79-34-5	<5.3	5.3	
chlorobenzene	541-73-1	<5.3	5.3	
-Dichlorobenzene	106-46-7	<5.3	5.3	
-Dichlorobenzene	95-50-1	<5.3	5.3	

000005

LAS LABORATORIES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	SSCEP.V3-119A	LAL Sample ID:	L10395-56
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	5.78	Preparation Dilution:	0.998

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	69%	15-111
Phenol-d5	73%	21-110
Nitrobenzene-d5	75%	17-114
2-Fluorobiphenyl	74%	29-114
2,4,6-Tribromophenol	95%	33-136
Terphenyl-d14	73%	32-151

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL QUANTITATION LIMIT ug/Kg	DATA QUALIFIER
Phenol	108-95-2	<700	700	
bis(2-Chloroethyl) ether	111-44-4	<700	700	
2-Chlorophenol	95-57-8	<700	700	
1,3-Dichlorobenzene	541-73-1	<700	700	
1,4-Dichlorobenzene	106-46-7	<700	700	
Benzyl alcohol	100-51-6	<1400	1400	
1,2-Dichlorobenzene	95-50-1	<700	700	
2-Methylphenol	95-48-7	<700	700	
bis(2-chloroisopropyl) ether	108-60-1	<700	700	
4-Methylphenol	106-44-5	<700	700	
N-Nitroso-di-n-propylamine	621-64-7	<700	700	
Hexachloroethane	67-72-1	<700	700	
Nitrobenzene	98-95-3	<700	700	
Isophorone	78-59-1	<700	700	
2-Nitrophenol	88-75-5	<700	700	
2,4-Dimethylphenol	105-67-9	<700	700	
Benzoic acid	65-85-0	<3500	3500	
bis(2-Chloroethoxy) methane	111-91-1	<700	700	
2,4-Dichlorophenol	120-83-2	<700	700	
1,2,4-Trichlorobenzene	120-82-1	<700	700	
Naphthalene	91-20-3	<700	700	
4-Chloroaniline	106-47-8	<1400	1400	
Hexachlorobutadiene	87-68-3	<700	700	
4-Chloro-3-methylphenol	59-50-7	<1400	1400	
2-Methylnaphthalene	91-57-6	<700	700	
Hexachlorocyclopentadiene	77-47-4	<700	700	
2,4,6-Trichlorophenol	88-06-2	<700	700	
2,4,5-Trichlorophenol	95-95-4	<700	700	
2-Chloronaphthalene	91-58-7	<700	700	
2-Nitroaniline	88-74-4	<3500	3500	
Dimethylphthalate	131-11-3	<700	700	
Acenaphthylene	208-96-8	<700	700	
2,6-Dinitrotoluene	606-20-2	<700	700	
3-Nitroaniline	99-09-2	<3500	3500	
Acenaphthene	83-32-9	<700	700	
2,4-Dinitrophenol	51-28-5	<3500	3500	
4-Nitrophenol	100-02-7	<3500	3500	

000285

LABORATORIES

-VOLATILE ORGANICS BY GC/MS
SEMI-VOLATILES

Client Sample ID:	SSCEP-V3-119A	LAL Sample ID:	L10395-56
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	09-SEP-97	Date Extracted:	01-SEP-97
Matrix:	Soil	Analytical Batch ID:	090897-8270-K
QC Group:	8270 SEMI-VOLATILES_52828	Analytical Dilution:	1
Percent Moisture:	5.78	Preparation Dilution:	0.998

CONSTITUENT	CAS NO.	RESULT ug/Kg	PRACTICAL	QUALIFIER(s)
			QUANTITATION LIMIT ug/Kg	
Dibenzofuran	132-64-9	<700	700	
1,4-Dinitrotoluene	121-14-2	<700	700	
Diethylphthalate	84-66-2	<700	700	
4-Chlorophenyl-phenylether	7005-72-3	<700	700	
Fluorene	86-73-7	<700	700	
p-Nitroaniline	100-01-6	<3500	3500	
1,6-Dinitro-2-methylphenol	534-52-1	<3500	3500	
N-Nitrosodiphenylamine (1)	86-30-6	<700	700	
1-Bromophenyl-phenylether	101-55-3	<700	700	
Hexachlorobenzene	118-74-1	<700	700	
Pentachlorophenol	87-86-5	<3500	3500	
Phenanthrene	85-01-8	<700	700	
Anthracene	120-12-7	<700	700	
Carbazole	86-74-8	<700	700	
Di-n-butylphthalate	84-74-2	<700	700	
Fluoranthene	206-44-0	<700	700	
Pyrene	129-00-0	<700	700	
Butylbenzylphthalate	85-68-7	<700	700	
3,3'-Dichlorobenzidine	91-94-1	<1400	1400	
Benzo (a) anthracene	56-55-3	<700	700	
Chrysene	218-01-9	<700	700	
bis (2-Ethylhexyl) phthalate	117-81-7	<700	700	
Di-n-octylphthalate	117-84-0	<700	700	
Benzo (b) fluoranthene	205-99-2	<700	700	
Benzo (k) fluoranthene	207-08-9	<700	700	
Benzo (a) pyrene	50-32-8	<700	700	
Indeno (1,2,3-cd) pyrene	193-39-5	<700	700	
Dibenz (a, h) anthracene	53-70-3	<700	700	
Benzo (g, h, i) perylene	191-24-2	<700	700	

000286

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	SSCEP-V3-130	LAS Sample ID:	L10395-98
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	20-SEP-97 22:33	Analytical Batch ID:	091797-8015-D-2
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	8.25	QC Group:	8015M - TPH_53158

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	38%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		44.	32.	

000984

AS LABORATORIES

2. L PETROLEUM HYDROCARBONS (TPH)
5 . TPH

Client Sample ID:	SSCEP-V3-131	LAS Sample ID:	L10395-80
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 09:35	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.78	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	43%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
High Range Organics	TPH	<32.	32.	
Medium Range Organics		<32.	32.	
LOW OIL		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V4-131	LAS Sample ID:	L10479-9
Date Collected:	09-SEP-97	Date Received:	10-SEP-97
Date Analyzed:	28-SEP-97	Analytical Batch ID:	092597-8015-D-3
Date Extracted:	12-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.97
Percent Moisture:	10.76	QC Group:	8015M - TPH_53397

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	190% *	25-162

CONSTITUENT	GAS NO.	RESULT mg/kg	POL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<33.	33.	
Gasoline Range Organics		<33.	33.	
MOTOR OIL		<33.	33.	

17 LABORATORIES

2. PETROLEUM HYDROCARBONS (TPH)

511 - TPH

Client Sample ID:	SSCEP-V3-133	LAS Sample ID:	L10395-78
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 05:53	Analytical Batch ID:	091597-8015-D-3
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.22	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	33%	25-162

SAMPLE	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
5.1 Range Organics	TPH	<32.	32.	
Online Range Organics		<32.	32.	
Oil		<32.	32.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	SSCEP-V3-154	LAS Sample ID:	L10395-79
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	17-SEP-97 08:51	Analytical Batch ID:	091597-8015-D-4
Date Extracted:	07-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.68	QC Group:	8015M - TPH_53132

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	23% *	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

VOLUME 2
APPENDIX B

TABLE 8 ANALYTICAL DATA

TABLE 8: NORTH SCEP SPILL H910911D CHARACTERIZATION SAMPLES

SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCs ^b (mg/kg)
		GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)	
SAMPLES COLLECTED APRIL 30, 1997					
NSCEP-001	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-004	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-005	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-029	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-046	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-060	0-15.2 [0-6]	ND	ND	42	ND
NSCEP-072	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-075	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-077	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-084	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-084D	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-086	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-088	0-15.2 [0-6]	ND	ND	32	ND
NSCEP-098	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-135	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-140	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-154	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-178	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-191	0-15.2 [0-6]	ND	ND	ND	ND

TABLE 8: NORTH SCEP SPILL H910911D CHARACTERIZATION SAMPLES

SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCS ^b (mg/kg)
		GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)	
SAMPLES COLLECTED APRIL 30, 1997					
NSCEP-216	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-229	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-232	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-234	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-246	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-246D	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-249	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-262	0-15.2 [0-6]	ND	ND	65	ND
NSCEP-264	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-270	0-15.2 [0-6]	ND	ND	40	ND
NSCEP-273	0-15.2 [0-6]	ND	ND	25	ND
NSCEP-290	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-297	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-298	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-304	0-15.2 [0-6]	ND	ND	160	ND
NSCEP-305	0-15.2 [0-6]	ND	ND	41	ND
NSCEP-310	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-343	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-351	0-15.2 [0-6]	ND	ND	ND	ND

TABLE 8: NORTH SCEP SPILL H910911D CHARACTERIZATION SAMPLES

SAMPLE ID	SAMPLE DEPTH (cm [inches])	TPH 8015M ^a			VOCS ^b (mg/kg)
		GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)	
SAMPLES COLLECTED APRIL 30, 1997					
NSCEP-355	0-15.2 [0-6]	ND	ND	59	ND
NSCEP-360	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-373	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-377	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-381	0-15.2 [0-6]	ND	ND	48	ND
NSCEP-381D	0-15.2 [0-6]	ND	ND	120	ND
NSCEP-395	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-397	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-417	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-425	0-15.2 [0-6]	ND	ND	120	ND
NSCEP-426	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-437	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-444	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-485	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-501	0-15.2 [0-6]	ND	ND	ND	ND
NSCEP-505	0-15.2 [0-6]	ND	ND	ND	ND

Notes:

^a TPH 8015M - Total Petroleum Hydrocarbons Method 8015 Modified.

^b VOCs - Volatile Organic Compounds.

SCEP - Steam Cleaning Effluent Pond

ND - Not Detected

mg/kg - milligrams per kilogram

EPA SAMPLE NO.

NSCEP-001

1b Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-002

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

* Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound ..

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

9.

LBH (1)

- 500

U

:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Pattern appears to be multi-peaks, but does not match gasoline

Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

00009

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-001

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-002

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. dec.

Date Extracted: 05-06-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-06-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-001

b Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8463

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-001

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8463

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-004

Name: Quanterra, MO Contract: 625.01
 Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
 Matrix: (soil/water) SOIL Lab Sample ID: 14495-003
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Vol.: (low/med) LOW Date Sampled: 04-29-97
 Moisture: not dec. _____ Date Analyzed: 05-09-97
 Dilution Factor: 1.0

EPA NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

: Concentration of analyte is less than the value given.
 : Pattern reasonably matches gasoline
 : Pattern appears to be multi-peaks, but does not match gasoline
 : Concentration is primarily from a single peak
 1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000013 7

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-004

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-003

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-06-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-06-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-004

b Name: QUANTERRA MO

Contract: 625-01

k Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8514

Moisture: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/09/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-004

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-003

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8514

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/09/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-005

Name: QUANTERRA MO Contract: 625.01

Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

ix : (soil/water) SOIL Lab Sample ID: 14495-004

le wt/vol: 20.3 (g/ml) G Lab File ID: _____

vel: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

action: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-06-97

Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

S NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	mg/kg	
	DIESEL	25		U
	WASTE OIL	25		U

Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.:

NSCEP-005

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-004

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8478

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-005

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-004

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8478

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-029

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-005

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000021

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-029

b Name: QUANTERRA MO

Contract: 625.01

b Code: ITMO Case No.: SAS No.: SDG No.: V204

t ix : (soil/water) SOIL

Lab Sample ID: 14495-005

le wt/vol: 20.1 (g/ml) G

Lab File ID:

vel: (low/med) LOW

Date Sampled: 04-29-97

Moisture: not dec. dec.

Date Extracted: 05-06-97

action: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-06-97

Cleanup: (Y/N) N pH:

Dilution Factor: 1

S NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>
<u> </u>	<u> </u>	<u> </u>

Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-029

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8479

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-029

b Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8479

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Initial Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-046

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-006

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	<u>UG/KG</u>	
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000025

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-046

b Name: QUANTERRA MO Contract: 625.01

b Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-006

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

Action: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-06-97

Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

C S NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	<u>mg/kg</u>	
	<u>DIESEL</u>	<u>25</u>		<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>		<u>U</u>

Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-046

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-006

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8480

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-046

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO Case No.: V49501 SAS No.: SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E8480

Level: (low/med) LOW Date Received: 05/02/97

Moisture: not dec. Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-060

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-007

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000029

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-060

b Name: QUANTERRA MO Contract: 625.01

b Code: ITMO Case No.: SAS No.: SDG No.: V204

ix : (soil/water) SOIL Lab Sample ID: 14495-007

le wt/vol: 20.1 (g/ml) G Lab File ID:

vel: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. dec. Date Extracted: 05-06-97

action: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH: Dilution Factor: 1

S NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	mg/kg	
	DIESEL		25	U
	WASTE OIL		42	

Concentration of analyte is less than the value given.

FORM I HBH

000023

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-060

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-007

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8468

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-060

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-007

Conc: wt/vol: 5.00 (g/mL) G

Lab File ID: E8468

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

1 Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-072

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
 Matrix : (soil/water) SOIL Lab Sample ID: 14495-008
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-29-97
 % Moisture: not dec. _____ Date Analyzed: 05-09-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.
 X:Pattern reasonably matches gasoline
 Y:Pattern appears to be multi-peaks, but does not match gasoline
 Z:Concentration is primarily from a single peak
 (1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000033

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-072

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-008

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-29-97

Moisture: not dec. dec.

Date Extracted: 05-06-97

Action: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH:

Dilution Factor: 1

IS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u> DIESEL </u>	<u>25</u>	<u>U</u>
<u> WASTE OIL </u>	<u>25</u>	<u>U</u>
<u> </u>	<u> </u>	<u> </u>

1: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-072

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-008

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8511

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/09/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-072

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-008

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8511

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/09/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

1 Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-075

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
 Matrix : (soil/water) SOIL Lab Sample ID: 14495-009
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-29-97
 % Moisture: not dec. _____ Date Analyzed: 05-09-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000037

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-075

Name: QUANTERRA MO Contract: 625.01

Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-009

Conc: wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

Action: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

NO.	Compound	CONCENTRATION UNITS:	Q
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-075

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-009

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8489

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-075

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-009

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8489

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-077

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-010

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000041

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-077

b Name: QUANTERRA MO Contract: 625.01

b Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

ix : (soil/water) SOIL Lab Sample ID: 14495-010

le wt/vol: 20.0 (g/ml) G Lab File ID: _____

vel: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

action: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

S NO.	Compound		
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-077

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-010

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8490

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-077

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V49501 SAS No.: SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E8490

Level: (low/med) LOW Date Received: 05/02/97

Moisture: not dec. Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-084

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
Matrix : (soil/water) SOIL Lab Sample ID: 14495-011
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-29-97
% Moisture: not dec. _____ Date Analyzed: 05-09-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline.

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000045

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-084

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-011

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

AS NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	<u>mg/kg</u>	
	<u>DIESEL</u>	<u>25</u>	<u>U</u>	
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>	

U: Concentration of analyte is less than the value given.

FORM I HBH

000038

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-084

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-011

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8472

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-084

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-011

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8472

Depth: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1084

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V204

Matrix : (soil/water) SOIL

Lab Sample ID: 14495-012

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000049

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1084

Site Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix : (soil/water) SOIL Lab Sample ID: 14495-012

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____ Date Extracted: 05-06-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	<u>mg/kg</u>	
	<u>DIESEL</u>	<u>25</u>		<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>		<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1084

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-012

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8491

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/08/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-83-9	Bromomethane	10	UU
75-01-4	Vinyl Chloride	10	UU
75-00-3	Chloroethane	10	UU
75-09-2	Methylene Chloride	5	UU
75-69-4	Trichlorofluoromethane	5	UU
75-34-3	1,1-Dichloroethane	5	UU
156-60-5	trans-1,2-Dichloroethene	5	UU
156-59-2	cis-1,2-Dichloroethene	5	UU
107-06-2	1,2-Dichloroethane	5	UU
594-20-7	2,2-Dichloropropane	5	UU
74-97-5	Bromochloromethane	5	UU
71-55-6	1,1,1-Trichloroethane	5	UU
78-93-3	2-Butanone	20	UU
56-23-5	Carbon Tetrachloride	5	UU
563-58-6	1,1-Dichloropropene	5	UU
75-27-4	Bromodichloromethane	5	UU
78-87-5	1,2-Dichloropropane	5	UU
10061-01-5	cis-1,3-Dichloropropene	5	UU
79-01-6	Trichloroethene	5	UU
79-00-5	1,1,2-Trichloroethane	5	UU
71-43-2	Benzene	5	UU
74-95-3	Dibromomethane	5	UU
10061-02-6	trans-1,3-Dichloropropene	5	UU
108-88-3	Toluene	2	J
106-93-4	1,2-Dibromoethane	5	J
127-18-4	Tetrachloroethene	5	UU
142-28-9	1,3-Dichloropropane	5	UU
124-48-1	Dibromochloromethane	5	UU
108-90-7	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1084

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V49501 SAS No.: SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-012

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E8491

Level: (low/med) LOW Date Received: 05/02/97

Moisture: not dec. Date Analyzed: 05/08/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-086

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
 Matrix : (soil/water) SOIL Lab Sample ID: 14495-013
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-29-97
 % Moisture: not dec. _____ Date Analyzed: 05-09-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000053

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-086

Job Name: QUANTERRA MO

Contract: 625.01

Job Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-013

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-29-97

Moisture: not dec. _____ dec. _____

Date Extracted: 05-06-97

Action: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-07-97

Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

AS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

WASTE OIL

25

U

J: Concentration of analyte is less than the value given.

FORM I HBH

000044

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-086

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-013

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8512

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/09/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-086

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-013

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8512

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/09/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-088

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V204
Matrix: (soil/water) SOIL Lab Sample ID: 14495-014
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-29-97
% Moisture: not dec. _____ Date Analyzed: 05-09-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000057

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-088

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V204

Matrix: (soil/water) SOIL Lab Sample ID: 14495-014

Sample wt/vol: 20.2 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-29-97

Moisture: not dec. dec. Date Extracted: 05-06-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-07-97

PT Cleanup: (Y/N) N pH: Dilution Factor: 1

AS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

DIESEL	25	U
WASTE OIL	32	

U. Concentration of analyte is less than the value given.

FORM I HBH

000047

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-088

Lab Name: QUAN TERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-014

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8513

Level: (low/med) LOW

Date Received: 05/02/97

% Moisture: not dec.

Date Analyzed: 05/09/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-088

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V49501

SAS No.:

SDG No.: V204

Matrix: (soil/water) SOIL

Lab Sample ID: 14495-014

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8513

Level: (low/med) LOW

Date Received: 05/02/97

Moisture: not dec.

Date Analyzed: 05/09/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-098

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-027
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000117

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-098

Job Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-027

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-098

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-027

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0027

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

00019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-098

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-027

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0027

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000193

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-029
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000125

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-029

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg) <u>mg/kg</u>	<u>Q</u>
<u> </u>	<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u> </u>	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-029

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8567

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	10	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-029

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8567

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	25	U
100-41-4-----Ethylbenzene	25	U
100-42-5-----Styrene	25	U
75-25-2-----Bromoform	25	U
108-38-3-----o-Xylene	25	U
1330-20-7-----m,p-Xylenes	25	U
108-86-1-----Bromobenzene	25	U
79-34-5-----1,1,2,2-Tetrachloroethane	25	U
96-18-4-----1,2,3-Trichloropropane	25	U
95-49-8-----2-Chlorotoluene	25	U
106-43-4-----4-Chlorotoluene	25	U
541-73-1-----1,3-Dichlorobenzene	25	U
106-46-7-----1,4-Dichlorobenzene	25	U
95-50-1-----1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-028
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000121

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-028

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.!

NSCEP-140

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-028

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8566

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	11	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: QUANTERRA MO Contract: 625-01

Lab Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-028

Sample wt/vol: 1.00 (g/mL) G Lab File ID: E8566

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

630-20-6-----1,1,1,2-Tetrachloroethane	25	U
100-41-4-----Ethylbenzene	25	U
100-42-5-----Styrene	25	U
75-25-2-----Bromoform	25	U
108-38-3-----o-Xylene	25	U
1330-20-7-----m,p-Xylenes	25	U
108-86-1-----Bromobenzene	25	U
79-34-5-----1,1,2,2-Tetrachloroethane	25	U
96-18-4-----1,2,3-Trichloropropane	25	U
95-49-8-----2-Chlorotoluene	25	U
106-43-4-----4-Chlorotoluene	25	U
541-73-1-----1,3-Dichlorobenzene	25	U
106-46-7-----1,4-Dichlorobenzene	25	U
95-50-1-----1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-154

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-030
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-13-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000129

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-154

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-030

Sample wt/vol: 20.1 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. dec. Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-154

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-030

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8568

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	12	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-154

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-030

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8568

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-178

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
Matrix: (soil/water) SOIL Lab Sample ID: 14533-031
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. _____ Date Analyzed: 05-12-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000133

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-178

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-031

Sample wt/vol: 20.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-178

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-031

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0035

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-178

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-031

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0035

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-191

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: SAS No.: SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-032
Sample wt/vol: 1.0 (g/ml) G Lab File ID:
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. Date Analyzed: 05-12-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

00013

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-191

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-032

Sample wt/vol: 20:1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

* Moisture: not dec. _____ dec. _____ Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

SPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg)	mg/kg
	DIESEL	25	U
	WASTE OIL	25	U

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-191

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-032

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8569

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	11	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-191

b Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-032

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8569

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-216

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-033
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. _____ Date Analyzed: 05-12-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.
X:Pattern reasonably matches gasoline
Y:Pattern appears to be multi-peaks, but does not match gasoline
Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000141

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-216

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-033

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-216

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-033

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8570

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	12	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-216

b Name: QUANTERRA MO Contract: 625-01
 Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-033
 Sample wt/vol: 1.00 (g/mL) G Lab File ID: E8570
 Vol: (low/med) LOW Date Received: 05/06/97
 Moisture: not dec. Date Analyzed: 05/13/97
 Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0
 Initial Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-229

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-001
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. _____ Date Analyzed: 05-09-97
Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000017

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-229

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-001

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-229

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-001

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8537

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-229

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: E8537

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-232

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-035
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-13-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.
 X:Pattern reasonably matches gasoline
 Y:Pattern appears to be multi-peaks, but does not match gasoline
 Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000149

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-232

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-035

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-232

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-035

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0037

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-232

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-035

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0037

Conc: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-234

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-034
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. _____ Date Analyzed: 05-13-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000145

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-234

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-034

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

WASTE OIL

25

U

J: Concentration of analyte is less than the value given.

FORM I HBH

000146

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-234

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-034

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0036

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000212

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-234

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-034

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0036

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-246

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-002

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

_____ LBH (1) _____	_____ 500 _____	_____ U _____
---------------------	-----------------	---------------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000021

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-246

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-002

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

SPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

DIESEL	25	U
WASTE OIL	25	U

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-246

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8538

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-246

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-002

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8538

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1246

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-003

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-09-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000025

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1246

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-003

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u> </u> DIESEL <u> </u>	<u>25</u>	<u>U</u>
<u> </u> WASTE OIL <u> </u>	<u>25</u>	<u>U</u>
<u> </u>		

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1246

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-003

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0002

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	8	J
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1246

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-003

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0002

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-249

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-004
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. Compound Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000029

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-249

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-004

Sample wt/vol: 20.1 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-30-97

Moisture: not dec. dec. Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-249

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-004

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0003

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000112

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-249

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-004

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0003

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-262

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-005
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
	LBH (1)	500	U

U:Concentration of analyte is less than the value given.
 X:Pattern reasonably matches gasoline
 Y:Pattern appears to be multi-peaks, but does not match gasoline
 Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000033

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-262

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-005

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>65</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-262

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8541

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

000051

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-262

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-005

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: E8541

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-264

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-007
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000041

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-264

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-007

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-264

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-007

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0005

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-264

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-007

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0005

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-270

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-006

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-10-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000037

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-270

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-006

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>40</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-270

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-006

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0004

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-270

b Name: QUANTERRA MO

Contract: 625-01

l Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

trix: (soil/water) SOIL

Lab Sample ID: 14533-006

ple wt/vol: 1.00 (g/mL) G

Lab File ID: F0004

l: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

olumn: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

il Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000118

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-273

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-010

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-10-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000053

EPA SAMPLE NO.

NSCEP-273

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

atrix : (soil/water) SOIL

Lab Sample ID: 14533-010

sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

* Moisture: not dec._____dec._____

Date Extracted: 05-08-97

xtraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) _____ mg/kg	Q
---------	----------	---	---

DIESEL	25	U
WASTE OIL	25	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-273

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-010

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9979

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-273

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-010

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9979

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-290

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: SAS No.: SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-009
 Sample wt/vol: 1.0 (g/ml) G Lab File ID:
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CAS NO.	Compound.	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.
 X:Pattern reasonably matches gasoline
 Y:Pattern appears to be multi-peaks, but does not match gasoline
 Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000049

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-290

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-009

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

* Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

IPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	<u>Q</u>
---------	----------	--	----------

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-290

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-009

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0007

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-290

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-009

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0007

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-297

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-008

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-10-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000045

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-297

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-008

Sample wt/vol: 20.0 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-297

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-008

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0006

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-297

Lab Name: QUANTERRA MO.

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-008

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0006

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-298

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-018
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q.

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q.
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000081

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-298

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-018

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-298

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-018

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9987

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-298

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-018

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9987

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-304

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-012

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-10-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000061

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-304

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-012

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>160</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-304

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-012

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0008

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-304

b Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-012

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0008

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000138

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-305

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-011

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000057

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-305

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-011

Sample wt/vol: 20.1 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-09-97

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:	
		(mg/L or mg/Kg) <u>mg/kg</u>	<u>Q</u>
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>41</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-305

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-011

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9980

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

000091

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-305

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-011

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9980

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

630-20-6-----1,1,1,2-Tetrachloroethane	5	U
100-41-4-----Ethylbenzene	5	U
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
108-38-3-----o-Xylene	5	U
1330-20-7-----m,p-Xylenes	5	U
108-86-1-----Bromobenzene	5	U
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
95-49-8-----2-Chlorotoluene	5	U
106-43-4-----4-Chlorotoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
95-50-1-----1,2-Dichlorobenzene	5	U

000092

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-310

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-019

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000085

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-310

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-019

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u> </u> DIESEL <u> </u>	<u>25</u>	<u>U</u>
<u> </u> WASTE OIL <u> </u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-310

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-019

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0019

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-310

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-019

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0019

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000163

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-343

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-020
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	LBH (1)	500		U

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks; but does not match gasoline
 Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000089

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-343

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-020

Sample wt/vol: 20.2 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-343

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-020

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0020

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000167

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-343

b Name: QUANTERRA MO Contract: 625-01
 Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-020
 Sample wt/vol: 1.00 (g/mL) G Lab File ID: F0020
 Level: (low/med) LOW Date Received: 05/06/97
 Moisture: not dec. Date Analyzed: 05/13/97
 Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
108-38-3	o-Xylene	50	U
1330-20-7	m,p-Xylenes	50	U
108-86-1	Bromobenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
106-43-4	4-Chlorotoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U

000168

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-351

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-013
Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. _____ Date Analyzed: 05-10-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000064

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-351

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-013

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

* Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

TPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-351

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-013

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0009

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000142

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-351

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-013

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0009

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000143

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-355

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-016
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	LBH (1)	500	U

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak
 (1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000075

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-355

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-016

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>59</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-355

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-016

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0017

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-355

Sample Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-016

Sample wt/vol: 1.00 (g/mL) G Lab File ID: F0017

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000153

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-360

Lab Name: Quanterra, MO Contract: 625.01
Lab Code: ITMO Case No.: SAS No.: SDG No.: V205
Matrix : (soil/water) SOIL Lab Sample ID: 14533-014
Sample wt/vol: 1.0 (g/ml) G Lab File ID:
Level: (low/med) LOW Date Sampled: 04-30-97
% Moisture: not dec. Date Analyzed: 05-10-97
Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	<u>LBH (1)</u>	<u>500</u>		<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000068

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-360

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-014

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-360

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-014

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9983

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/10/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-34-3-----	1,1-Dichloroethane	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
156-59-2-----	cis-1,2-Dichloroethene	5	U
107-06-2-----	1,2-Dichloroethane	5	U
594-20-7-----	2,2-Dichloropropane	5	U
74-97-5-----	Bromochloromethane	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
78-93-3-----	2-Butanone	20	U
56-23-5-----	Carbon Tetrachloride	5	U
563-58-6-----	1,1-Dichloropropene	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
74-95-3-----	Dibromomethane	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
108-88-3-----	Toluene	5	U
106-93-4-----	1,2-Dibromoethane	5	U
127-18-4-----	Tetrachloroethene	5	U
142-28-9-----	1,3-Dichloropropane	5	U
124-48-1-----	Dibromochloromethane	5	U
108-90-7-----	Chlorobenzene	5	U

000096

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-360

b Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-014

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: F9983

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/10/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
108-38-3-----	o-Xylene	5	U
1330-20-7-----	m,p-Xylenes	5	U
108-86-1-----	Bromobenzene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
95-49-8-----	2-Chlorotoluene	5	U
106-43-4-----	4-Chlorotoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-373

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-021
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>		Q
		_____	_____	
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>	

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000093

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-373

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-021

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-373

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-021

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0021

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-373

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-021

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0021

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-377

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-015
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-10-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000072

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-377

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-015

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-377

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-015

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0012

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/12/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	50	U
75-69-4	Trichlorofluoromethane	50	U
75-34-3	1,1-Dichloroethane	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
107-06-2	1,2-Dichloroethane	50	U
594-20-7	2,2-Dichloropropane	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
78-93-3	2-Butanone	200	U
56-23-5	Carbon Tetrachloride	50	U
563-58-6	1,1-Dichloropropene	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
74-95-3	Dibromomethane	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
106-93-4	1,2-Dibromoethane	50	U
108-10-1	4-Methyl-2-Pentanone	100	U
127-18-4	Tetrachloroethene	50	U
142-28-9	1,3-Dichloropropane	50	U
124-48-1	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-377

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-015

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0012

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/12/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000148

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-381

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-017

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-10-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000078

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-381

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-017

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-08-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-10-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

CAS NO.	Compound		
	<u>DIESEL</u>	<u>25</u>	<u>U</u>
	<u>WASTE OIL</u>	<u>48</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC

NSCEP-381

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-017

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0018

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000157

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-381

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-017

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0018

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000158

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1381

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-036

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-13-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
---------	----------	--	----------

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000153

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1381

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-036

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

SPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>120</u>	

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-1381

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-036

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0038

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-1381

Lab Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-036

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0038

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
108-38-3	o-Xylene	50	U
1330-20-7	m,p-Xylenes	50	U
108-86-1	Bromobenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
106-43-4	4-Chlorotoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-395

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-022

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000097

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-395

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-022

Sample wt/vol: 20.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-395

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-022

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0033

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-395

Name: QUANTERRA MO Contract: 625-01

Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-022

File wt/vol: 1.00 (g/mL) G Lab File ID: F0033

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Initial Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
108-38-3	o-Xylene	50	U
1330-20-7	m,p-Xylenes	50	U
108-86-1	Bromobenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
106-43-4	4-Chlorotoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-397

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-023

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000101

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-397

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-023

Sample wt/vol: 20.2 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. dec. Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. Compound (mg/L or mg/Kg) mg/kg Q

<u> DIESEL </u>	<u>25</u>	<u>U</u>
<u> WASTE OIL </u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-397

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-023

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0023

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-397

Lab Name: QUANTERRA MO Contract: 625-01

Lab Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-023

Sample wt/vol: 1.00 (g/mL) G Lab File ID: F0023

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
108-38-3	o-Xylene	50	U
1330-20-7	m,p-Xylenes	50	U
108-86-1	Bromobenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
106-43-4	4-Chlorotoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-417

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-024
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline.

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000105

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-417

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-024

Sample wt/vol: 20.0 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. dec. Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-417

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-024

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0024

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-417

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-024

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0024

Pre-rel: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-425

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-040

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-13-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000169

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-425

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-040

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

Moisture: not dec. dec.

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>120</u>	

: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-425

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-040

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0042

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000237

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-425

Lab Name: QUANTERRA MO Contract: 625-01

Lab Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-040

Sample wt/vol: 1.00 (g/mL) G Lab File ID: F0042

Level: (low/med) LOW Date Received: 05/06/97

Moisture: not dec. Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-426

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-041

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-13-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000173

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-426

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-041

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-12-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

GPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-426

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-041

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0043

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-426

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-041

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0043

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000243

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-437

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-025
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-12-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.
 X: Pattern reasonably matches gasoline
 Y: Pattern appears to be multi-peaks, but does not match gasoline
 Z: Concentration is primarily from a single peak
 (1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000109

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-437

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-025

Sample wt/vol: 20.2 (g/ml) G Lab File ID:

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. dec. Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

SPC Cleanup: (Y/N) N pH: Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. Compound (mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-437

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-025

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0034

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-437

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-025

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0034

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000203

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
NSCEP-444

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-039
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-13-97
 Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
	<u>LBH (1)</u>	<u>500</u>	<u>U</u>

U:Concentration of analyte is less than the value given.
 X:Pattern reasonably matches gasoline
 Y:Pattern appears to be multi-peaks, but does not match gasoline
 Z:Concentration is primarily from a single peak
 (1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000165

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-444

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: SAS No.: SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-039

Sample wt/vol: 20.1 (g/ml) G

Lab File ID:

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. dec.

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-444

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-039

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0041

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----Dichlorodifluoromethane	100	U
74-83-9-----Bromomethane	100	U
75-01-4-----Vinyl Chloride	100	U
75-00-3-----Chloroethane	100	U
75-09-2-----Methylene Chloride	50	U
75-69-4-----Trichlorofluoromethane	50	U
75-34-3-----1,1-Dichloroethane	50	U
156-60-5-----trans-1,2-Dichloroethene	50	U
156-59-2-----cis-1,2-Dichloroethene	50	U
107-06-2-----1,2-Dichloroethane	50	U
594-20-7-----2,2-Dichloropropane	50	U
74-97-5-----Bromochloromethane	50	U
71-55-6-----1,1,1-Trichloroethane	50	U
78-93-3-----2-Butanone	200	U
56-23-5-----Carbon Tetrachloride	50	U
563-58-6-----1,1-Dichloropropene	50	U
75-27-4-----Bromodichloromethane	50	U
78-87-5-----1,2-Dichloropropane	50	U
10061-01-5-----cis-1,3-Dichloropropene	50	U
79-01-6-----Trichloroethene	50	U
79-00-5-----1,1,2-Trichloroethane	50	U
71-43-2-----Benzene	50	U
74-95-3-----Dibromomethane	50	U
10061-02-6-----trans-1,3-Dichloropropene	50	U
108-88-3-----Toluene	50	U
106-93-4-----1,2-Dibromoethane	50	U
108-10-1-----4-Methyl-2-Pentanone	100	U
127-18-4-----Tetrachloroethene	50	U
142-28-9-----1,3-Dichloropropane	50	U
124-48-1-----Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-444

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-039

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0041

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000233

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-485

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____

SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-026

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.	Compound.	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
---------	-----------	--	----------

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000113

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-485

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-026

Sample wt/vol: 20.2 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) <u>mg/kg</u>	Q
---------	----------	--	---

DIESEL	25	U
WASTE OIL	25	U

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-485

Lab Name: QUANTERRA MO

Contract: 625-01.

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-026

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0026

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG.

Q

CAS NO.

COMPOUND

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

000187

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-485

b Name: QUANTERRA MO

Contract: 625-01

k Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

trix: (soil/water) SOIL

Lab Sample ID: 14533-026

g le wt/vol: 1.00 (g/mL) G

Lab File ID: F0026

v-1: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

olumn: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

il Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

000188

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-501

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-037

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-13-97

Dilution Factor: 1.0

CAS NO.

Compound

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000157

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-501

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-037

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

G C Cleanup: (Y/N) N

pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

DIESEL

25

U

WASTE OIL

25

U

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

NSCEP-501

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-037

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0039

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

75-71-8-----	Dichlorodifluoromethane	100	U
74-83-9-----	Bromomethane	100	U
75-01-4-----	Vinyl Chloride	100	U
75-00-3-----	Chloroethane	100	U
75-09-2-----	Methylene Chloride	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-34-3-----	1,1-Dichloroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
107-06-2-----	1,2-Dichloroethane	50	U
594-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
78-93-3-----	2-Butanone	200	U
56-23-5-----	Carbon Tetrachloride	50	U
563-58-6-----	1,1-Dichloropropene	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
74-95-3-----	Dibromomethane	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
108-88-3-----	Toluene	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-10-1-----	4-Methyl-2-Pentanone	100	U
127-18-4-----	Tetrachloroethene	50	U
142-28-9-----	1,3-Dichloropropane	50	U
124-48-1-----	Dibromochloromethane	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-501

b Name: QUANTERRA MO

Contract: 625-01

b Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

trix: (soil/water) SOIL

Lab Sample ID: 14533-037

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: F0039

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
108-38-3-----	o-Xylene	50	U
1330-20-7-----	m,p-Xylenes	50	U
108-86-1-----	Bromobenzene	50	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
95-49-8-----	2-Chlorotoluene	50	U
106-43-4-----	4-Chlorotoluene	50	U
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	50	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-505

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-038

Sample wt/vol: 1.0 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____

Date Analyzed: 05-13-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
	LBH (1)	500		U

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000161

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-505

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-038

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS:		Q
		(mg/L or mg/Kg)	mg/kg	
	<u>DIESEL</u>	<u>25</u>		<u>U</u>
	<u>WASTE OIL</u>	<u>25</u>		<u>U</u>

J: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-505

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-038

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: G6225

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/14/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	25	U
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-505

Name: QUANTERRA MO

Contract: 625-01

Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-038

File wt/vol: 1.00 (g/mL) G

Lab File ID: G6225

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/14/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

VOLUME 2
APPENDIX B

TABLE 9 ANALYTICAL DATA

TABLE 9: NSCEP SPILL H910911D VERIFICATION RESULTS

LOCATION	SAMPLE ID	SAMPLE DEPTH (cm; [inches])	TPH/8015M		
			GAS (mg/kg)	DIESEL (mg/kg)	OIL (mg/kg)
SAMPLES COLLECTED AUGUST 27, 1997					
Cell No. 32	NSPILL-V1-032	0-15.2 [0-6]	ND	ND	ND
Cell No. 33	NSPILL-V1-033	0-15.2 [0-6]	ND	ND	ND
Cell No. 38	NSPILL-V1-038	0-15.2 [0-6]	ND	ND	ND
Cell No. 59	NSPILL-V1-059	0-15.2 [0-6]	ND	ND	ND
Cell No. 66	NSPILL-V1-066	0-15.2 [0-6]	ND	ND	ND

Notes:*** TPH 8015M:** Total Petroleum Hydrocarbons Method 8015 Modified.**SCEP:** Steam Cleaning Effluent Pond**ND:** Not Detected**cm:** centimeter**mg/kg:** milligrams per kilogram

LABORATORIES

1, PETROLEUM HYDROCARBONS (TPH)
M - TPH

Client Sample ID:	NSPILL-V1-032	LAS Sample ID:	L10395-68
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 11:48	Analytical Batch ID:	091797-8015-D-1
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	11.64	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	65%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Full Range Organics	TPH	<34.	34.	
Polycyclic Range Organics		<34.	34.	
TPH OIL		<34.	34.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH) 8015M - TPH

Client Sample ID:	NSPILL-V1-038	LAS Sample ID:	L10395-71
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 14:02	Analytical Batch ID:	091797-8015-D-1
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	6.95	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	101%	25-162

CONSTITUENT	CAS NO.	RESULT	PQL	DATA
				QUALIFIER(S)
		mg/kg	mg/kg	
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

LABORATORIES

PETROLEUM HYDROCARBONS (TPH)
L - TPH

Client Sample ID:	NSPILL-V1-033	LAS Sample ID:	L10395-67
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 11:03	Analytical Batch ID:	091797-8015-D-1
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	8.5	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	71%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
Range Organics	TPH	<33.	33.	
Line Range Organics		<33.	33.	
OR OIL		<33.	33.	

LAS LABORATORIES

TOTAL PETROLEUM HYDROCARBONS (TPH)
8015M - TPH

Client Sample ID:	NSPILL-V1-059	LAS Sample ID:	L10395-69
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 12:33	Analytical Batch ID:	091797-8015-D-1
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	0.99
Percent Moisture:	6.5	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	92%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	PQL mg/kg	DATA QUALIFIER(S)
Diesel Range Organics	TPH	<32.	32.	
Gasoline Range Organics		<32.	32.	
MOTOR OIL		<32.	32.	

5 LABORATORIES

1 PETROLEUM HYDROCARBONS (TPH) - TPH

Client Sample ID:	NSPILL-V1-066	LAS Sample ID:	L10395-70
Date Collected:	27-AUG-97	Date Received:	28-AUG-97
Date Analyzed:	19-SEP-97 13:17	Analytical Batch ID:	091797-8015-D-1
Date Extracted:	06-SEP-97	Analytical Dilution:	1
Matrix:	Soil	Preparation Dilution:	1.0
Percent Moisture:	5.07	QC Group:	8015M - TPH_53029

SURROGATE	RECOVERY	QC Limits
n-OCTACOSANE	96%	25-162

CONSTITUENT	CAS NO.	RESULT mg/kg	POL mg/kg	DATA
				QUALIFIER(S)
1 Range Organics	TPH	<32.	32.	
2 Range Organics		<32.	32.	
OR OIL		<32.	32.	

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: QUANTERRA MO Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL Lab Sample ID: 14533-029

Sample wt/vol: 20.2 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____ Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK Date Analyzed: 05-13-97

SPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

CAS NO.

Compound

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-135

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-029

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8567

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	10	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-135

Lab Name: QUANTERRA MO Contract: 625-01
 Lab Code: ITMO Case No.: V53301 SAS No.: SDG No.: V205
 Matrix: (soil/water) SOIL Lab Sample ID: 14533-029
 Sample wt/vol: 1.00 (g/mL) G Lab File ID: E8567
 Level: (low/med) LOW Date Received: 05/06/97
 Moisture: not dec. Date Analyzed: 05/13/97
 Column: RTX-502.2 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

630-20-6-----	1,1,1,2-Tetrachloroethane	25	U
100-41-4-----	Ethylbenzene	25	U
100-42-5-----	Styrene	25	U
75-25-2-----	Bromoform	25	U
108-38-3-----	o-Xylene	25	U
1330-20-7-----	m,p-Xylenes	25	U
108-86-1-----	Bromobenzene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
96-18-4-----	1,2,3-Trichloropropane	25	U
95-49-8-----	2-Chlorotoluene	25	U
106-43-4-----	4-Chlorotoluene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: Quanterra, MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL Lab Sample ID: 14533-028

Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____

Level: (low/med) LOW Date Sampled: 04-30-97

% Moisture: not dec. _____ Date Analyzed: 05-12-97

Dilution Factor: 1.0

CAS NO.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
---------	----------	--	---

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U: Concentration of analyte is less than the value given.

X: Pattern reasonably matches gasoline

Y: Pattern appears to be multi-peaks, but does not match gasoline

Z: Concentration is primarily from a single peak

(1): Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000121

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-028

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

% Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

PC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO.

Compound

CONCENTRATION UNITS:

(mg/L or mg/Kg) mg/kg

Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-140

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-028

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8566

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	11	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-140

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-028

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8566

Level: (low/med) LOW

Date Received: 05/06/97

Moisture: not dec.

Date Analyzed: 05/13/97

Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

630-20-6-----1,1,1,2-Tetrachloroethane	25	U
100-41-4-----Ethylbenzene	25	U
100-42-5-----Styrene	25	U
75-25-2-----Bromoform	25	U
108-38-3-----o-Xylene	25	U
1330-20-7-----m,p-Xylenes	25	U
108-86-1-----Bromobenzene	25	U
79-34-5-----1,1,2,2-Tetrachloroethane	25	U
96-18-4-----1,2,3-Trichloropropane	25	U
95-49-8-----2-Chlorotoluene	25	U
106-43-4-----4-Chlorotoluene	25	U
541-73-1-----1,3-Dichlorobenzene	25	U
106-46-7-----1,4-Dichlorobenzene	25	U
95-50-1-----1,2-Dichlorobenzene	25	U

1D
LBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-154

Lab Name: Quanterra, MO Contract: 625.01
 Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205
 Matrix : (soil/water) SOIL Lab Sample ID: 14533-030
 Sample wt/vol: 1.0 (g/ml) G Lab File ID: _____
 Level: (low/med) LOW Date Sampled: 04-30-97
 % Moisture: not dec. _____ Date Analyzed: 05-13-97
 Dilution Factor: 1.0

CAS NO. Compound CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

<u>LBH (1)</u>	<u>500</u>	<u>U</u>
----------------	------------	----------

U:Concentration of analyte is less than the value given.

X:Pattern reasonably matches gasoline

Y:Pattern appears to be multi-peaks, but does not match gasoline

Z:Concentration is primarily from a single peak

(1):Low Boiling Hydrocarbon (LBH) is quantitated as if it is Gasoline.

FORM I LBH

000129

1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.

NSCEP-154

Lab Name: QUANTERRA MO

Contract: 625.01

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: V205

Matrix : (soil/water) SOIL

Lab Sample ID: 14533-030

Sample wt/vol: 20.1 (g/ml) G

Lab File ID: _____

Level: (low/med) LOW

Date Sampled: 04-30-97

* Moisture: not dec. _____ dec. _____

Date Extracted: 05-09-97

Extraction: (SepF/Cont/Sonc/Shak) SHAK

Date Analyzed: 05-13-97

IPC Cleanup: (Y/N) N pH: _____

Dilution Factor: 1

CAS NO. Compound CONCENTRATION UNITS:
(mg/L or mg/Kg) mg/kg Q

<u>DIESEL</u>	<u>25</u>	<u>U</u>
<u>WASTE OIL</u>	<u>25</u>	<u>U</u>

U: Concentration of analyte is less than the value given.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 1

NSCEP-154

Lab Name: QUANTERRA MO

Contract: 625-01

Lab Code: ITMO

Case No.: V53301

SAS No.:

SDG No.: V205

Matrix: (soil/water) SOIL

Lab Sample ID: 14533-030

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: E8568

Level: (low/med) LOW

Date Received: 05/06/97

% Moisture: not dec.

Date Analyzed: 05/13/97

GC Column: RTX-502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	12	BJ
75-69-4-----	Trichlorofluoromethane	25	U
75-34-3-----	1,1-Dichloroethane	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
156-59-2-----	cis-1,2-Dichloroethene	25	U
107-06-2-----	1,2-Dichloroethane	25	U
594-20-7-----	2,2-Dichloropropane	25	U
74-97-5-----	Bromochloromethane	25	U
71-55-6-----	1,1,1-Trichloroethane	25	U
78-93-3-----	2-Butanone	100	U
56-23-5-----	Carbon Tetrachloride	25	U
563-58-6-----	1,1-Dichloropropene	25	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	25	U
74-95-3-----	Dibromomethane	25	U
10061-02-6-----	trans-1,3-Dichloropropene	25	U
108-88-3-----	Toluene	25	U
106-93-4-----	1,2-Dibromoethane	25	U
127-18-4-----	Tetrachloroethene	25	U
142-28-9-----	1,3-Dichloropropane	25	U
124-48-1-----	Dibromochloromethane	25	U
108-90-7-----	Chlorobenzene	25	U

VOLUME 2
APPENDIX B

NORTH & SOUTH SCEP
NUCLEAR DENSITY DATA REPORT

OCT 02 1997

NUCLEAR DENSITY ASTM D2922-91 CAMPBELL MC-2/MC-3	BECHTEL NEVADA MATERIALS TESTING LABORATORY P. O. BOX 98521, M/S NTS188 LAS VEGAS, NV 89193-8521	CHARGE #:	C4U480DE
		DATE TYPED	10/01/97
		PAGE	1 OF 2

Requested by J. PENNINGTON User/Agency BECHTEL Material NATIVE (BORROW)

Project A/6 SCEPS Location of Tests NORTH SCEPS AREA

Tested by D. HERRINGTON Date Tested 10/01/97 Checked by V. Chumala

Information transmitted to D. TOBIASON By D. HERRINGTON How COPY Date 10/01/97

LABORATORY NO	1	2	3	4	5	N/A
TEST LOCATION	1	2	3	4	5	
DEPTH OF PROBE	10"	10"	10"	10"	10"	
DEPTH OF TESTS (BELOW SUBGRADE)	Subgrade	Subgrade	Subgrade	Subgrade	Subgrade	
DRY DENSITY-PCF	91.8	94.1	96.0	96.6	95.3	
MOISTURE %	7.7	7.7	8.3	7.4	6.8	
WET DENSITY PCF	104.0	104.0	104.0	104.0	104.0	
OPTIMUM MOISTURE %	21.1	21.1	21.1	21.1	21.1	
PERCENT COMPACTION	88.3	90.5	92.3	92.9	91.6	
REQUIRED COMPACTION %	85.0	85.0	85.0	85.0	85.0	
OUT OF SPECIFICATION	WITHIN	WITHIN	WITHIN	WITHIN	WITHIN	

AUGMENT NO 23205 DATE OF STANDARDIZATION 10/01/97

VALUE OF M 647
STANDARDIZATION D 3070

LOT PLAN SEE ATTACHED PLOTPLAN FOR TEST LOCATIONS

REMARKS: NATIVE PROCTOR FROM 04/03/89 USED
TEST AREAS DESIGNATED BY D. TOBIASON
NATIVE MATERIAL CLOSE TO THE PONDS WAS USED FOR FILLING TOP 12"

CC: J. SMITH BECHTEL
D. TOBIASON BECHTEL
MTL BECHTEL FILES

NUCLEAR DENSITY ASTM D2922-91 CAMPBELL MC-2/MC-3	BEGTEL NEVADA MATERIALS TESTING LABORATORY P. O. BOX 98521, M/S NTS188 LAS VEGAS, NV 89193-8521	CHARGE #	C4U4B0DE
		DATE TYPED	10/01/97
		PAGE	2 OF 2

Requested by J. PENNINGTON User/Agency BECHTEL Material NATIVE (BORROW)

Project A/6 SCEPS Location of Tests SOUTH SCEPS AREA

Tested by D. HERRINGTON Date Tested 10/01/97 Checked by V. [Signature]

Information transmitted to D. TOBIASON By D. HERRINGTON How COPY Date 10/01/97

LABORATORY NO	6	7	8	9	10	N/A
TEST LOCATION	6	7	8	9	10	
DEPTH OF PROBE	10"	10"	10"	10"	10"	
DEPTH OF TESTS (BELOW SUBGRADE)	Subgrade	Subgrade	Subgrade	Subgrade	Subgrade	
DRY DENSITY-PCF	93.1	96.1	94.1	94.2	93.8	
MOISTURE %	9.3	9.0	9.1	8.1	7.8	
MAX DENSITY PCF	104.0	104.0	104.0	104.0	104.0	
OPTIMUM MOISTURE %	21.1	21.1	21.1	21.1	21.1	
PERCENT COMPACTION	89.5	92.4	90.5	90.6	90.2	
REQUIRED COMPACTION %	85.0	85.0	85.0	85.0	85.0	
IN / OUT of SPECIFICATION	WITHIN	WITHIN	WITHIN	WITHIN	WITHIN	

GAUGE NO 23205 DATE OF STANDARDIZATION 10/01/97 VALUE OF M 647
 STANDARDIZATION D 3070

PLOT PLAN SEE ATTACHED PLOTPLAN FOR TEST LOCATIONS

REMARKS: NATIVE PROCTOR FROM 04/03/89 USED
TEST AREAS DESIGNATED BY D. TOBIASON
NATIVE MATERIAL CLOSE TO THE PONDS WAS USED FOR FILLING TOP 12"

CC: J. SMITH BECHTEL
D. TOBIASON BECHTEL
MTL BECHTEL FILES

10-01-97

SC