

0057284

Lionville Laboratory, Inc.
DRO ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B02-006 H158A

RFW LOT # :0111L290

CLIENT ID	RFW #	MTX	PREP #	COLLECTN DATE	REC	EXT/PREP	ANALYSIS
B13D73	001	S	01LE1343	11/02/01	11/07/01	11/12/01	11/13/01
B13D73	001 MS	S	01LE1343	11/02/01	11/07/01	11/12/01	11/13/01
B13D73	001 MSD	S	01LE1343	11/02/01	11/07/01	11/12/01	11/13/01

LAB QC:

BLK	MB1	S	01LE1343	N/A	N/A	11/12/01	11/13/01
BLK	MB1 BS	S	01LE1343	N/A	N/A	11/12/01	11/13/01

RECEIVED
JUN 10 2002

EDMC

cc 11-14-01
Flynn/1/1/01





Analytical Report

Client: TNU HANFORD B0-006
LVL#: 0111L290
SDG/SAF#: H1584/B02-006

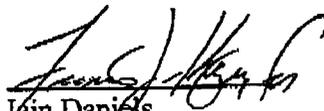
W.O.#: 11343-606-001-9999-00
Date Received: 11-07-01

DIESEL RANGE ORGANICS

One (1) soil sample was collected on 11-02-01.

The sample and its associated QC samples were prepared on 11-12-01 and analyzed according to Lionville Laboratory OPs based on EPA Method 8015B for Diesel Range Petroleum Hydrocarbons on 11-13-01. The analysis met the intent of method WTPH-D.

1. The cooler temperature has been recorded on the chain-of-custody.
2. All required holding times for extraction and analysis were met.
3. All initial calibrations associated with this data set were within acceptance criteria.
4. All diesel continuing calibration standards analyzed prior to the sample extracts were within acceptance criteria.
5. All surrogate recoveries were within acceptance criteria.
6. The blank spike recovery was within acceptance criteria.
7. All matrix spike recoveries were within acceptance criteria.
8. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard-copy data package has been authorized by the laboratory Manager or a designee, as verified by the following signature.


Jain Daniels
Deputy Laboratory Manager
Lionville Laboratory Incorporated

R:\share\dre\11-290.doc


Date

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 7 pages.

GLOSSARY OF DIESEL RANGE ORGANICS DATA

DATA QUALIFIERS

- U** = Indicates that the compound was analyzed for but not detected. The minimum detection limit for the sample (not the method detection limit) is reported with the U (e.g. 10U).
- J** = Indicates an estimated value. This flag is used in cases where a target analyte is detected at a level less than the lower quantification level. If the limit of quantification is 10ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B** = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination.
- E** = Indicates a compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- I** = Interference.

ABBREVIATIONS

- BS** = Indicates blank spike reagent grade water spiked with the matrix spiking solution. Spike recoveries are reported.
- BSD** = Indicates a blank spike duplicate.
- MS** = Indicates a matrix spike.
- MSD** = Indicates a matrix spike duplicate.
- NA** = Not Applicable.
- NS** = Not spiked.
- DF** = Dilution factor.
- NR** = Not required.
- SP** = Indicates a spiked compound.

Lionville Laboratory, Inc.
DIESEL RANGE ORGANICS BY GC

Client: TNU-HANFORD B02-006
Work Order: 11343606001
Report Date: 11/14/01 08:28
Page: 1

RFW Batch Number: 01111290

Sample Information	RFW#:	Matrix:	D.F.:	Units:	Cust ID:	001	001 MS	001 MSD	01LF1343-MB1	01LF1343-MB1
		SOIL		mg/Kg	B13D73	1.00	1.00	1.00	1.00	1.00
		SOIL		mg/Kg	B13D73					
		SOIL		mg/Kg	B13D73					
		SOIL		mg/Kg	BLK					
		SOIL		mg/Kg	BLK BS					

Sample Information	RFW#:	Matrix:	D.F.:	Units:	Cust ID:	46	87	91	92	79
		SOIL		mg/Kg	B13D73	46	87	91	92	79
Diesel Range Organics						12.8 U	82 %	89 %	12.0 U	78 %
Kerosene						12.8 U	NS	NS	12.0 U	NS

After analysis
11-14-01

U = Analyzed, not detected. J = Present below detection limit. B = Present in blank. NR = Not reported. NS = Not spiked.
% = Percent recovery. D = Diluted out. I = Interference. NA = Not Applicable. * = Outside of EPA CLP GC

Figure 1. Sample Check-in List

Date/Time Received: 11-7-01 11:25

SDG#: 0111290

Work Order Number: _____

SAF# B02-006

Shipping Container ID: Sml 382

Chain of Custody # B02-006-08

1. Custody Seals on shipping container intact? Yes No

2. Custody Seals dated and signed? Yes No

3. Chain-of-Custody record present? Yes No

4. Cooler temperature 5.6°

5. Vermiculite/packing materials is Wet Dry

6. Number of samples in shipping container: 7

7. Sample holding times exceeded? Yes No

8. Samples have:	<input type="checkbox"/> tape	<input type="checkbox"/> hazard labels
	<input checked="" type="checkbox"/> custody seals	<input type="checkbox"/> appropriate sample labels
9. Samples are:	<input checked="" type="checkbox"/> in good condition	<input type="checkbox"/> leaking
	<input type="checkbox"/> broken	<input type="checkbox"/> have air bubbles

10. Were any anomalies identified in sample receipt? Yes No

11. Description of anomalies (include sample numbers): _____

Sample Custodian/Laboratory: _____ Date: _____

Telephoned to: _____ On _____ By _____

FAX COVER SHEET

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Lionville Laboratory Incorporated

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Phone: (610) 280-3000
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DATE: 2/14/02

TIME: _____

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(including cover sheet)



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