

# siteLAB Extended Diesel Range Hydrocarbons Analysis Report

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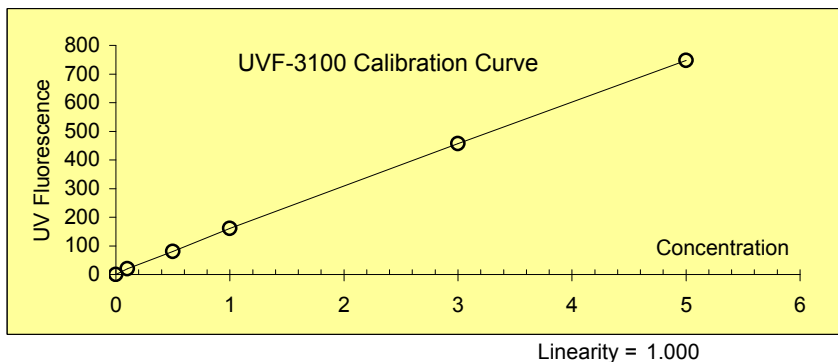
Project Name: New Jersey DEP MDL Study  
 Job/File Number: EDRO\_MDL\_Results\_6-8-09

Matrix: Soil  
 Date Collected: 6/8/2009  
 Date Received: 6/8/2009  
 Date Extracted: 6/8/2009  
 Date Analyzed: 6/8/2009  
 Date Reported: 6/11/2009

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Standard Concentration	UVF-3100 Calibration Raw Fluorescence
0	0
0.1	20.0
0.5	80.5
1.0	160.9
3.0	457.0
5.0	747.9

Sitelab Calibration Kit: CAL-042 EDRO  
 UVF-3100 Optics: Use Slot A Optical Filters  
 Concentration Units: ppm



UVF Run Number	Sample ID & Description	UVF Raw Fluorescence	Concentration Reading (ppm)	Dilution Factor	Test Result:
1	Methanol Blank Check	0.0	0.000	1	0.00 ppm - Good
2	0.1 ppm Cal Check	20.6	0.104	1	0.10 ppm - Good
3	DRO - 1	322.9	2.092	2	4.18 ppm
4	DRO - 2	323.2	2.096	2	4.19 ppm
5	DRO - 3	322.8	2.094	2	4.19 ppm
6	DRO - 4	320.6	2.080	2	4.16 ppm
7	DRO - 5	318.9	2.067	2	4.13 ppm
8	DRO - 6	324.1	2.101	2	4.20 ppm
9	DRO - 7	321.9	2.088	2	4.18 ppm
10	5 ppm Cal Check	748.5	5.007	1	5.01 ppm - Good
11	Home Heating Oil at 5 ppm	616.2	4.090	1	4.09 ppm
12	Sand Blank Extraction	24.3	0.128	2	0.26 ppm - See Below

Detection Limits? The 0.1 ppm EDRO calibrator dictates the detection limit. Readings between zero and 0.1 ppm are too low (ND)  
 Comments: Spike sample concentration was 5.0 ppm; where 0.5 mL of 500 ppm containing home heating oil (Garden City Oil, Newton, MA) was added to 50 grams of certified, clean sea sand. 7 Replicates could be corrected for sand blank.