

siteLAB Total Petroleum Hydrocarbons in Oil Analysis Report

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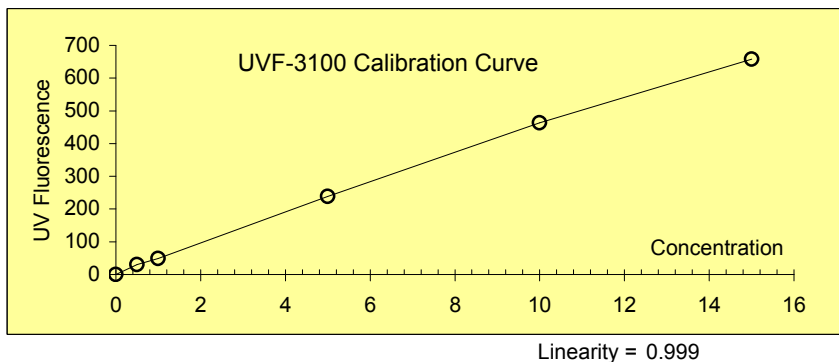
Project Name: New Jersey DEP MDL Study
 Job/File Number: TPH-Oil_MDL_Results_6-9-09

Matrix: Soil
 Date Collected: 6/9/2009
 Date Received: 6/9/2009
 Date Extracted: 6/9/2009
 Date Analyzed: 6/9/2009
 Date Reported: 6/11/2009

Date: _____ Time: _____

Standard Concentration	UVF-3100 Calibration Raw Fluorescence
0	0
0.5	30.2
1.0	48.5
5.0	238.2
10	463.0
15	658.2

Sitelab Calibration Kit: CAL-057 TPH-Oil
 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	0.00	1	0.0 ppm - Good
2	0.5 ppm Cal Check	30.4	0.50	1	0.5 ppm - Good
3	TPH - 1	188.6	3.95	2	7.9 ppm
4	TPH - 2	189.7	3.98	2	8.0 ppm
5	TPH - 3	188.5	3.95	2	7.9 ppm
6	TPH - 4	192.9	4.05	2	8.1 ppm
7	TPH - 5	190.6	4.00	2	8.0 ppm
8	TPH - 6	199.5	4.18	2	8.4 ppm
9	TPH - 7	194.4	4.10	2	8.2 ppm
10	15 ppm Cal Check	662.6	15.12	1	15.1 ppm - Good
11	Crude Oil at 5 ppm	338.7	7.24	1	7.2 ppm
12	Sand Blank Extraction	12.1	0.20	2	0.40 ppm - See Below

Detection Limits? The 0.5 ppm TPH-Oil calibrator dictates the detection limit. Readings between zero and 0.5 ppm are too low (ND)
 Comments: Spike sample concentration was 5.0 ppm; where 0.5 mL of 500 ppm containing crude oil (ChevronTexaco refinery, Richmond, CA) was added to 50 grams of certified, clean sea sand. 7 Replicates could be corrected for sand blank.