

# siteLAB Polycyclic Aromatic Hydrocarbons Analysis Report

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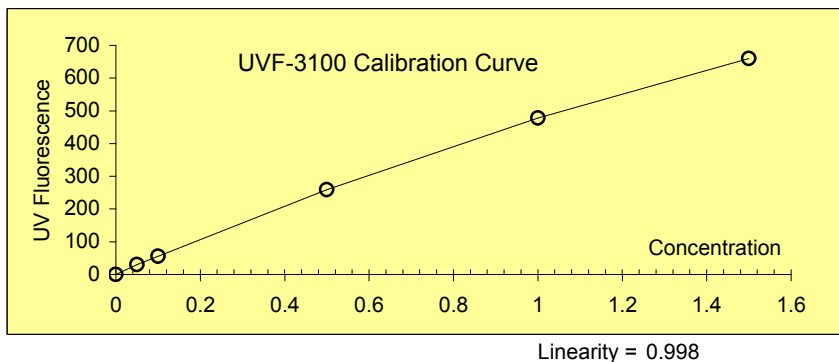
Operator: Steve Greason  
 Signature: \_\_\_\_\_

Project Name: New Jersey DEP MDL Study  
 Job/File Number: Target-PAH\_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
0.05	30.2
0.1	56.1
0.5	259.3
1.0	477.7
1.5	660.2

Sitelab Calibration Kit: CAL-060 Target PAHs  
 UVF-3100 Optics: Use Slot D 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	0.05 ppm Cal Check	30.5	0.051	1	0.05 ppm - Good
3	PAH - 1	123.0	0.232	2	0.46 ppm
4	PAH - 2	125.1	0.236	2	0.47 ppm
5	PAH - 3	123.2	0.232	2	0.46 ppm
6	PAH - 4	124.0	0.233	2	0.47 ppm
7	PAH - 5	126.1	0.238	2	0.48 ppm
8	PAH - 6	125.5	0.237	2	0.47 ppm
9	PAH - 7	130.2	0.246	2	0.49 ppm
10	1.5 ppm Cal Check	658.0	1.494	1	1.49 ppm - Good
11	MGP Coal Tar at 5 ppm	226.1	0.435	1	0.44 ppm
12	Sand Blank Extraction	2.7	0.005	2	0.01 ppm

Detection Limits? The 0.05 ppm PAH calibrator dictates the detection limit. Readings between zero and 0.05 ppm are too low (ND)  
 Comments: Spike sample concentration was 5.0 ppm; where 0.5 mL of 500 ppm containing coal tar (from MGP DNAPL Site, Raleigh, NC) was added to 50 grams of certified, clean sea sand.