

siteLAB Gasoline Range Hydrocarbons Analysis Report

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Company Name: Sitelab Corporation
 Address: 86 Coffin Street
 West Newbury, MA 01985

Phone: (978) 363-2299
 Contact: Steve Greason

Operator: Steve Greason
 Signature:

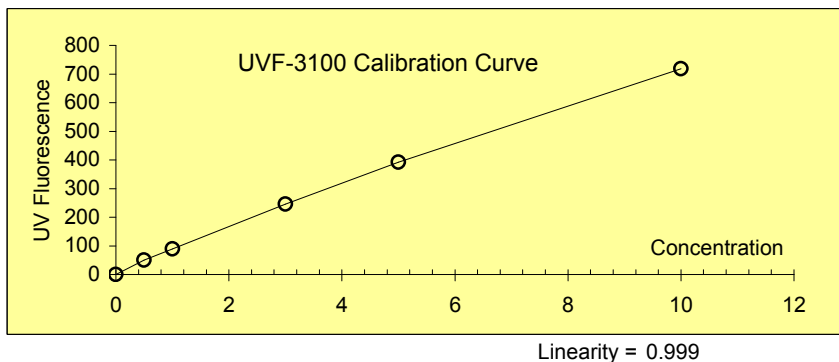
Project Name: New Jersey DEP MDL Study
 Job/File Number: GRO_MDL_Results_6-10-09

Matrix: Soil
 Date Collected: 6/10/2009
 Date Received: 6/10/2009
 Date Extracted: 6/10/2009
 Date Analyzed: 6/10/2009
 Date Reported: 6/11/2009

Date: _____ Time: _____

Standard Concentration	UVF-3100 Calibration Raw Fluorescence
0	0
0.5	49.9
1.0	89.9
3.0	246.0
5.0	392.2
10.0	718.8

Sitelab Calibration Kit: CAL-025 GRO/BTEX
 UVF-3100 Optics: Use Slot B 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	0.00 ppm - Good
2	0.5 ppm Cal Check	49.2	0.49	1	0.49 ppm - Good
3	GRO - 1	109.3	1.25	2	2.50 ppm
4	GRO - 2	106.3	1.21	2	2.42 ppm
5	GRO - 3	97.8	1.10	2	2.20 ppm
6	GRO - 4	89.8	1.00	2	2.00 ppm
7	GRO - 5	84.7	0.93	2	1.86 ppm
8	GRO - 6	76.4	0.83	2	1.66 ppm
9	GRO - 7	61.8	0.65	2	1.30 ppm
10	10 ppm Cal Check	706.7	9.82	1	9.82 ppm - Good
11	Gasoline at 20 ppm	403.0	5.16	1	5.16 ppm
12	Sand Blank Extraction	1.5	0.01	2	0.02 ppm

Detection Limits? The 0.5 ppm GRO calibrator dictates the detection limit. Readings between zero and 0.5 ppm are too low (ND)
 Comments: Spike sample concentration was 20 ppm; where 0.5 mL of 2,000 ppm containing premium unleaded gasoline (93-octane Hess, Haverhill, MA) was added to 50 grams of certified, clean sea sand. Concentration drop due to volatilization.