



Laboratory Results

July 14, 2011

Tom Hatzopoulos - Mail Code OSRR02-2  
US EPA New England R1

Project Number: 11060033  
Project: Former Bendix Property - Greenfield, MA  
Analysis: Oil Identification  
Analyst: Paul Carroll

*Handwritten signature and date:*  
7.14.11

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, MISOILID3.SOP.

Soil and product samples were extracted using cyclohexane as a solvent. In most cases Pressurized Fluid Extraction is used on soil samples, however if raw product is visible both soil and product samples are extracted using a waste dilution extraction. Aqueous samples are extracted using a separatory funnel technique with dichloromethane. The dichloromethane extract is concentrated and exchanged to cyclohexane. The extracts were analyzed using an Hewlett Packard 5890 gas chromatograph equipped with a J&W DB-1HT 30 meter 0.32mm ID capillary column. Detection was by Flame Ionization Detector.

Date Samples Received by the Laboratory: 06/17/2011

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617 918 8340.

Sincerely,

*Handwritten signature and date:*  
Dan Boudreau 7/14/11  
Dan Boudreau  
Chemistry Team Leader

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

Former Bendix Property - Greenfield, MA

Oil Identification

Matrix: SW

Field ID	Lab ID	Collected	Extracted	Analysis	Product	Hydrocarbon Range	Qualifier
0710-0001	AB18817	06/16/2011	06/30/2011	07/05/2011	ND		

Comments: The sample was ND for petroleum products. The method reporting limit is 13 mg/L.

0710-0002	AB18818	06/16/2011	06/30/2011	07/05/2011	Motor Oil	C26 - C30	CM
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Comments: CM = Close Match  
Estimated Concentration = 4.5 mg/L (this result is below the method reporting limit which is 13mg/L)

0710-0003	AB18819	06/16/2011	06/30/2011	07/05/2011	Motor Oil	C18 - C33	CM
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Comments: CM = Close Match  
Estimated Concentration = 44 mg/L

0710-0004	AB18820	06/16/2011	06/30/2011	07/05/2011	Motor Oil	C20 - C32	CM
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Comments: CM = Close Match  
Estimated Concentration = 170 mg/L







