



HEARTLAND ENVIRONMENTAL SERVICES, INC.

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July 15, 1991

To: John Williams
Roy F. Weston Inc.
One Weston Way
Lionville, PA.

From: Paul B. Humburg
Project Manager
Heartland ESI

Subject: Data Validation of the Total Petroleum Hydrocarbon results of sampling conducted for the Naval Weapons Station at Coltsneck N.J. The three samples plus 1 MS/D were analyzed by the Gulf Coast Laboratory of Roy F. Weston.

Soils for TPHC			
EPA ID	Gulf Coast ID	EPA ID	Gulf Coast ID
10-004-T001	03L043-001	07-001-T001D	03L043-003D
07-001-T001	03L043-003	07-007-T001	03L043-004
07-001-T001MS	03L043-003MS		

Heartland ESI has reviewed the data for the samples listed above for the Total Petroleum Hydrocarbon analyses using NEESA Level D requirements. Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to the requirements and deliverables of U.S. EPA CLP Region II. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results.

Individual fraction was reviewed as follows:

- * Total Petroleum Hydrocarbon by Paul B. Humburg
with secondary review by Chris Scarpellino

Please refer to the Target and Non Target Analyte Summary List and detailed Data Validation Report for additional information. Specific comments are provided in the following case narrative.

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TOTAL PETROLEUM HYDROCARBONS

General

The overall package was fair. The package did not have the raw data as produced in the laboratory, therefore Heartland ESI cannot verify that the calculations are correct as reported. Based on the results submitted the following comments can be made. All holding times were met as required by Neesa Level D. All other contractual requirements were met.

Specific Findings:

Soils (all)

1. The Preparation Blank contained Total Petroleum Hydrocarbon contamination. All soils were compared against the value of the blank contamination level of 5.0 mg/kg. If a sample had less than three times this concentration, it was negated. If a sample contained three to five times the blank concentration, the sample was qualified as estimated, "J", with a positive bias. If a sample contained more than five times this amount, the sample was qualified as estimated with possible minor positive bias but the concentration is high enough to nearly eliminate the bias.



TARGET AND NON TARGET ANALYTE SUMMARY LIST

Site Name: Naval Weapons Station, New Jersey

Sample No.	Blank	Lab	QAS	QAS	Footnotes
Analyte	Conc.	Report	Report	Decision	
	mg/kg	Conc.	Conc.		
		mg/kg	mg/kg		
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Sample 03L043-001 (10-004-T001)					
TPHC	5.0B	4.8B	4.8BJ	negate	1
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Sample 03L043-003 (07-001-T001)					
TPHC	5.0B	19.0	19.0J	qualify	1
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Sample 03L043-004 (07-007-T001)					
TPHC	5.0B	58	58.0J	qualify	1
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