



HEARTLAND ENVIRONMENTAL SERVICES, INC.

P.O. BOX 163 ST. PETERS MO 63376
(314) 278-8232

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August 20, 1991

To: John Williams Jr.
Roy F. Weston Inc.
One Weston Way
West Chester, PA.

From: Paul B. Humburg
Project Manager
Heartland ESI

Subject: Submittal of the Analytical Data Validation Report for
TPHCs results of sampling conducted for Coltsneck Naval
Weapons Station New Jersey. Seven soil samples plus 1
MS/D were analyzed by Lionville Laboratory, Roy F.
Weston Inc.

Samples Reviewed Soil Samples (all)

<u>Naval ID</u>	<u>Roy F. Weston ID</u>
22-001-D001	9103L804-011
22-001-D001MS	9103L804-011MS
22-001-D001MSD	9103L804-011MSD
22-002-D001	9103L804-012
22-003-D001	9103L804-013
22-004-D001	9103L804-014
22-005-D001	9103L804-015
22-006-D001	9103L804-016
22-006-D201	9103L804-017

Heartland ESI has reviewed the data for the samples listed for the TPHC analyses using the Protocol according to the 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 NEESA level D. 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:

* TPHCs by Paul Humburg with secondary review by Chris Scarpellino

Specific comments are provided in the following Data Assessment Summary.

00001



DATA ASSESSMENT SUMMARY
TPHCs

General

The findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results and MS/MSD results. All comments made within this report should be considered when examining the analytical results (Form Is).

This data package consisted of results from the analysis of seven (7) field soil samples and one matrix spike and duplicate pair. Overall, the TPHC data quality was good.

Specific QA/QC deficiency Findings are listed numerically in the following categories:

Holding Times

The holding times were met as specified in Section 3 of the NEESA (20.2-047B) QA protocol.

Calibration

No deficiencies in this section.

Preparation and Field Blanks

There appears as if there is no contamination of the preparation blank during these analyses.

Spike Recovery

No deficiencies in this section.

Duplicate

No deficiencies in this section.

LCS

No deficiencies in this section.



SUMMARY OF DATA QUALIFICATIONS

<u>SPECIFIC SAMPLE ID</u>	<u>ANALYTE</u>	<u>DL</u>	<u>QL</u>	<u>FINDING</u>
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Data stands as reported.

DL - denotes laboratory qualifier/reported value
+ denotes positive values
U denotes non-detect values

QL - denotes data validation qualifier

Roy F. Weston, Inc. - Lionville Laboratory

Petroleum Hydrocarbons by IR

Report Date: 03/08/91 12:15

RFW Batch Number: 9103L804

Client: NAVAL WEAPONS/COLTSNECK

Work Order: 1771-15-03-0000

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	Cust ID: 22-001-D001	22-001-D001	22-001-D001	22-002-D001	22-003-D001	22-004-D001
Sample Information	RFW#: 011	011 MS	011 MSD	012	013	014
	Matrix: SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
	D.F.: 1.00	2.00	2.00	1.00	1.00	1.00
	Units: mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Petroleum Hydrocarbon	27	102 %	104 %	5.9	12	15

	Cust ID: 22-005-D001	22-006-D001	22-006-D201	PBLK	PBLK BS	PBLK
Sample Information	RFW#: 015	016	017	91DHC526-MB1	91DHC526-MB1	91DHC525-MB1
	Matrix: SEDIMENT	SEDIMENT	WATER	SOIL	SOIL	WATER
	D.F.: 1.00	1.00	1.00	1.00	1.00	1.00
	Units: mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/L
Petroleum Hydrocarbon	13	48	1.2 U	4.0 U	95 %	1.0 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
 %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

