



# HEARTLAND ENVIRONMENTAL SERVICES, INC.

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## REGION II PICRIC ACID DATA VALIDATION

NAVAL WEAPONS STATION - COLTSNECK

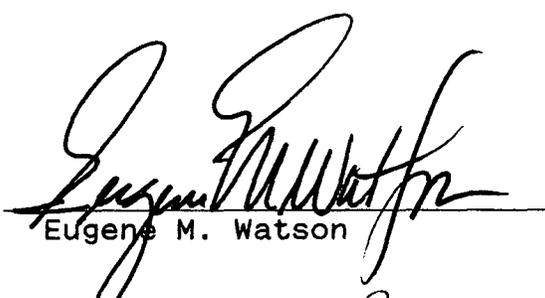
ROY F. WESTON CASE 9103L829

Coltsneck ID    R.F. Weston ID    Coltsneck ID    R.F. Weston ID

### Soil Samples (all)

11-001-S001	9103L829-001	11-002-S001	9103L829-002
11-003-S001	9103L829-003	11-003-S101	9103L829-004
11-004-S001	9103L829-005	11-004-S001MS	9103L829-005MS
11-004-S001	9103L829-005MSD	11-005-S001	9103L829-006
11-006-S001	9103L829-007	11-007-S001	9103L829-008
11-008-S001	9103L829-009		

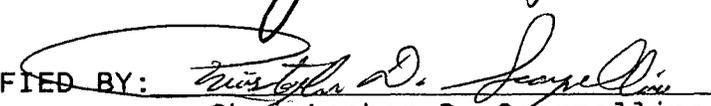
PREPARED BY:

  
Eugene M. Watson

DATE:

8-29-91

VERIFIED BY:

  
Christopher D. Scarpellino

DATE:

9/5/91

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DATA ASSESSMENT AND NARRATIVE

PICRIC ACID ANALYSIS

General

The organic 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, matrix spike recoveries, HPLC performance, blank spike results and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the Roy F. Weston Analytical Method for Picric Acid by HPLC and Region II Data Validation Deliverable Guidelines. However, due to the fact this package does not require the submission of true Form Is, Heartland ESI will submit the laboratory summary in place of the Form I's in the data validation package. All comments made within this report should be considered when examining the analytical results (Form I's). Please refer the specific findings found in each category to the Summary of Data Qualifications table.

Holding times

The methodology supplied by Roy F. Weston Laboratories does not state a specified holding time criteria. However, the samples were extracted and analyzed within the holding time criteria set forth by the explosives methodologies. No action is required.

HPLC performance

The system performance of the HPLC was good. The instrument did not exhibit any major problems.

Initial calibrations

The initial calibration performed by the laboratory is acceptable per the methodology.

Continuing calibrations

No continuing calibrations associated with this sample batch.

Method blanks

The method blank did not exhibit contamination for the target explosive compounds.



DATA ASSESSMENT AND NARRATIVE

PICRIC ACID ANALYSIS

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MS/MSD analysis

Heartland ESI had to use good professional judgement to evaluate the MS/MSD results due to the fact that the protocol does not have set QA/QC limits for the recoveries of the spike compounds. The initial analysis of the MS/MSD yielded no recoveries and it was determined that the MS/MSD was not spiked. The reextracted MS/MSD did exhibit acceptable recoveries for picric acid. No qualifications are needed.

Method specific QA/QC

There is no method specific QA/QC.

Compound identification/quantitation

No positive results were reported.

Overall assessment

The overall quality of the data package is good.



GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected

J = Estimated value

UJ = Reported quantitation limit is qualified as estimated

R = Result is rejected and unusable

NJ = Presumptive evidence for the presence of the material at an estimated value

Heartland ESI specific findings will be noted in numerical form on the Form Is in this data validation report. These specific finding footnotes will reflect the conclusions found in the data validation process that resulted in the qualification of the data.



SUMMARY OF DATA QUALIFICATIONS

<u>SAMPLE ID</u>	<u>ANALYTE ID</u>	<u>DL</u>	<u>QL</u>	<u>SPECIFIC FINDINGS</u>
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No Qualifications needed.

- \* DL denotes the Form I qualifier supplied by the laboratory
- QL denotes the qualifier used by Heartland ESI
- + in the DL column denotes a positive result
- in the DL column denotes a negative result

