

N60478.AR.001469
NWS EARLE
5090.3a

TRANSMITTAL LETTER FOR THE STATE OF NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION EVALUATION OF VARIOUS DATA VALIDATION
REPORTS NWS EARLE NJ
11/2/1987
STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS SITE MITIGATION
 401 E. State St., CN 413, Trenton, N.J. 08625
 (609) 984-2902

NOV 2 1987

Anthony J. Farro
 Director

M E M O R A N D U M

TO: James Schnitzer, Technical Coordinator
 Bureau of Environmental Evaluation and Risk Assessment

THROUGH: ^{NH} Nancy E. Hamill, Chief/Quality Assurance Section
 Barry Frasco, Environmental Scientist I ^{BG}
 Bureau of Environmental Measurements & Quality Assurance
 Quality Assurance Section

FROM: James R. Plummer, HSMS II ^{RG}
 Quality Assurance Section

SUBJECT: Data Validation Review of Earle Naval Weapons Station Site.
 Soil Sample Numbers 75317-4 & 75317-9 for VO, BN & Metals (TCL+30)
 and Aqueous Sample Numbers 75317-11 (FB), 75317-15, 75317-19 &
 75317-23 (FB) for VO, BN & Metals (TCL+30) and Aqueous Sample
 Numbers 75317-12 (TB) & 75317-24 (TB) for VO (TCL+30). Analyses
 were performed by US Testing Laboratories.

The Bureau of Environmental Measurements and Quality Assurance (BEMQA) has reviewed the referenced samples according to NJDEP Task II, Tier II deliverable requirements. The quality assurance review of the data is summarized below and a detailed evaluation is attached for your review:

The essential review was conducted with reference to the volatile and base neutral fractions. No acid extractable analysis was conducted. The metals were reviewed for deliverables completeness only, and found to be in conformance. Neither base neutral nor metals analyses were conducted for the trip blanks as per Tier II requirements.

The only significant quality control outlier was found in the sample 75317-4 method blank. Because 1,1,1-Trichloroethane is not a common laboratory contaminant and the concentration found in the method blank was above the CRQL, the level of this compound suggests that the QC is out of control. Therefore, the 1,1,1-Trichloroethane data for this sample is rejected. Matrix spike/spike duplicate outliers were discovered for four compounds in

the base neutral fraction for the water matrix only. The laboratory called only one of the outlying compounds. These had no effect on the overall quality of the data. I discovered no surrogate recovery outliers, even though the laboratory called one each for the soil and water matrices in the base neutral fraction. Certain data deliverable requirements were not met including the lack of a table of contents.

Please contact the above reviewer at 3-0752 for any question concerning this review.

JRP:

Attachment

c: John Mateo
Elissa Stone
Drew Kanjarpane