



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SITE REMEDIATION AND WASTE MANAGEMENT PROGRAM
*Division of Enforcement, Technical & Financial Support
Bureau of Environmental Evaluation and Risk Assessment*

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MEMORANDUM

TO: Karen Wisniewski, Case Manager
Bureau of Environmental Measures & Site Assessment

THROUGH: Greg Toffoli, Section Chief
Amy Bowman
Office of Data Quality
Hazardous Site Science Element

FROM: Chelsea Bray
Office of Data Quality
Hazardous Site Science Element

SUBJECT: Quality Assurance Review for **165 Lindbergh Road, East Amwell Township, Hunterdon County.** (PI#: 224523; Job Code: A2890890)

Sample Reviewed

<u>Field ID</u>	<u>Laboratory ID</u>	<u>Sample Collection Date</u>	<u>Matrix</u>
TB	200-63986-1	06/29/2022	Water
165 LINBERGH	200-63986-2	06/29/2022	Water

The Office of Data Quality, Hazardous Site Science Element has reviewed the above-mentioned potable water sample and trip blank for volatiles analysis. Analyses were performed by Eurofins TestAmerica – Burlington according to USEPA Method 524.2 for volatile organics. The Technical Requirements for Site Remediation, N.J.A.C. 7:26E, specify that full deliverables are required for potable water samples. Please refer to the detailed data validation checklist for additional information. Specific comments are provided below.

To expedite reviews, a Target and Non-target Analyte Summary List is not included by ODQ. Please refer to the laboratory’s organics analysis data sheets in the data package for specific information.

Volatile Organics

The VOA analysis was performed according to USEPA Method 524.2, revision 4.1. A total of 85 target analytes were reported.

Except for the following qualifier and comments, the data are acceptable.

The average relative response factors (RRFs) of tertiary-butyl alcohol, 2-butanone, propionitrile, chloroacetonitrile, 1,1-dichloro-2-propanone, and nitrobenzene were below the RRF of 0.01 in the initial calibration. Because this is typically indicative of a weak response, there is concern that the reporting limits (RLs) noted by the laboratory might not be attainable. The non-detect results for tertiary-butyl alcohol, 2-butanone, propionitrile, chloroacetonitrile, 1,1-dichloro-2-propanone, and nitrobenzene in samples 200-63896-1 (TB) and 200-63896-2 (165 LINDBERGH) are quantitatively qualified.

The laboratory reported chloromethane in samples 200-63986-1 (TB) and 200-63986-2 (165 LINDBERGH), acetone in sample 200-63986-1 (TB), and tetrachloroethene in sample 200-63896-2 (165 LINDBERGH) with a "J" qualifier indicating that the concentration of the analyte was greater than the method detection limit, but less than the reporting limit.

The laboratory's RL of 0.50 ppb for 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, and 1,2,3-trichloropropane exceeded the Drinking Water Standards (DWS) of 0.2 ppb, 0.05 ppb, and 0.03 ppb, respectively.

If there are any questions concerning this review, please contact this office by emailing Chelsea.Bray@dep.nj.gov.

c: Nanina Bryan, OCR
David Dibblee, BEMSA

