



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Laboratory Services and Applied Science Division
 980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 22-0366

Project: 22-0366, Jackson, MS Emer. Response Deploy - Reported by Floyd Wellborn

September 27, 2022

MEMORANDUM

SUBJECT: FINAL Analytical Report
 Project: 22-0366, Jackson, MS Emer. Response Deploy

FROM: Floyd Wellborn
 LSB Organic Chemistry Section Chief

THRU: Stacie Masters, Chief
 Laboratory Services Branch

TO: Derek Little

Attached are the final results for the analytical groups listed below. This report shall not be reproduced except in full without approval of the Region 4 laboratory. These analyses were performed in accordance with the Laboratory Services Branch's Laboratory Operations and Quality Assurance Manual (LSB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the LSB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Chapter 5 of the LSB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Volatile Organics (VOA)		
Volatile organic compounds	EPA 8260C (Water)	ISO



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Report Narrative for Work Order: E223907 Analysis: VOA

9/27/2022 FW VOA: The EDB results are reported here by a Selective Ion Monitoring method to achieve lower reporting limits that are consistent with the drinking water maximum contaminant limit. The EDB results in this report replace the EDB results reported in E223907, E223908 CNA SVOA TMTL VOA FINAL 09 26 22 1457. No other results in the 09 26 22 1457 report were changed.

Sample Disposal Policy

Due to limited space for long term sample storage, LSB's policy is to dispose of samples on a periodic schedule. Air samples collected in summa canisters will be disposed of 30 days following the issuance of this report. All other sample media including original samples, sample extracts and or digestates will be disposed of, in accordance with applicable regulations, 60 days from the date of this report.

This sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time. If samples require storage beyond the 60-day period, please contact the Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov.



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SAMPLES INCLUDED IN THIS REPORT

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Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Curtis Conventional 2	E223907-01	Potable Water	9/22/22 08:20	9/22/22 19:35
Curtis Membrane	E223907-02	Potable Water	9/22/22 08:30	9/22/22 19:35
Fewell	E223907-03	Potable Water	9/22/22 09:20	9/22/22 19:35
Trip Blank	E223907-04	Trip Blank - Water	9/22/22 09:20	9/22/22 19:35



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DATA QUALIFIER DEFINITIONS

U The analyte was not detected at or above the reporting limit.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

ACCREDITATIONS:

ISO Accredited to ISO/IEC 17025:2017 and accreditation requirements for Forensic Science Testing Laboratories.

Refer to the certificate and scope of accreditation FT-0330 at:
<http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd>

NR Not accredited for this test.

DW Accredited for conformance with ISO/IEC 17025:2017 and testing elements in the Fifth Edition of the Manual for the Certification of Laboratories Analyzing Drinking Water, EPA 815-R-05-004, 2005.

Refer to the certificate and scope of accreditation AT-2628 at:
<http://www.epa.gov/aboutepa/about-region-4s-science-and-ecosystem-support-division-sesd>

ISO/DW Accredited to ISO/IEC 17025:2017 and accreditation requirements for Forensic Science Testing Labs, and conformance with ISO/IEC 17025:2017 and testing elements in the Manual for the Certification of Laboratories Analyzing Drinking Water.



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Volatile Organics

Project: 22-0366, Jackson, MS Emer. Response Deploy

Sample ID: Curtis Conventional 2

Lab ID: E223907-01

Station ID: CURTIS CONVENTIONAL

Matrix: Potable Water

Date Collected: 9/22/22 8:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	0.20	U	ug/L	0.20	9/26/22 8:50	9/27/22 0:09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.050	U	ug/L	0.050	9/26/22 8:50	9/27/22 0:09	EPA 8260C



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Volatile Organics

Project: 22-0366, Jackson, MS Emer. Response Deploy

Sample ID: Curtis Membrane

Lab ID: E223907-02

Station ID: CURTIS MEMBRANE

Matrix: Potable Water

Date Collected: 9/22/22 8:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	0.20	U	ug/L	0.20	9/26/22 8:50	9/27/22 0:32	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.050	U	ug/L	0.050	9/26/22 8:50	9/27/22 0:32	EPA 8260C



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Volatile Organics

Project: 22-0366, Jackson, MS Emer. Response Deploy

Sample ID: Fewell

Lab ID: E223907-03

Station ID: FEWELL

Matrix: Potable Water

Date Collected: 9/22/22 9:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	0.20	U	ug/L	0.20	9/26/22 8:50	9/27/22 0:56	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.050	U	ug/L	0.050	9/26/22 8:50	9/27/22 0:56	EPA 8260C



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Volatile Organics

Project: 22-0366, Jackson, MS Emer. Response Deploy

Sample ID: Trip Blank

Lab ID: E223907-04

Station ID:

Matrix: Trip Blank - Water

Date Collected: 9/22/22 9:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	0.20	U	ug/L	0.20	9/26/22 8:50	9/27/22 1:20	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.050	U	ug/L	0.050	9/26/22 8:50	9/27/22 1:20	EPA 8260C



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Volatile Organics (VOA) - Quality Control
US-EPA, Region 4, LSASD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2209084 - V 5030B VOA Wtr Prep

Blank (2209084-BLK1)

Prepared & Analyzed: 09/26/22

EPA 8260C

1,2-Dibromo-3-Chloropropane (DBCP)	U	0.20	ug/L							U
1,2-Dibromoethane (EDB)	U	0.050	"							U

LCS (2209084-BS1)

Prepared & Analyzed: 09/26/22

EPA 8260C

1,2-Dibromo-3-Chloropropane (DBCP)	1.9400		ug/L	2.0000		97.0	70-130			
1,2-Dibromoethane (EDB)	2.0500		"	2.0000		102	70-130			

LCS Dup (2209084-BSD1)

Prepared & Analyzed: 09/26/22

EPA 8260C

1,2-Dibromo-3-Chloropropane (DBCP)	1.9600		ug/L	2.0000		98.0	70-130	1.03	20	
1,2-Dibromoethane (EDB)	2.0300		"	2.0000		102	70-130	0.980	20	

Duplicate (2209084-DUP1)

Source: E223907-02

Prepared: 09/26/22 Analyzed: 09/27/22

EPA 8260C

1,2-Dibromo-3-Chloropropane (DBCP)	U	0.20	ug/L		U				20	U
1,2-Dibromoethane (EDB)	U	0.050	"		U				20	U

MRL Verification (2209084-PS1)

Prepared & Analyzed: 09/26/22

EPA 8260C

1,2-Dibromoethane (EDB)	0.060000		ug/L	0.050000		120	50-150			MRL-1
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MRL Verification (2209084-PS2)

Prepared & Analyzed: 09/26/22

EPA 8260C

1,2-Dibromo-3-Chloropropane (DBCP)	0.19000		ug/L	0.20000		95.0	50-150			MRL-1
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Notes and Definitions for QC Samples

- U The analyte was not detected at or above the reporting limit.
- MRL-1 MRL verification for Potable Water matrix (Drinking Water)