

SUBURBAN LABORATORIES, Inc.



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www.suburbanlabs.com

November 05, 2024

Lynn Bradley
Carow Land Surveying & Environmental
615 N Lynndale Drive
Appleton, WI 59414

Workorder: 2409D32

TEL:
FAX:
RE: Saddle Ridge Drinking Water.

Dear Lynn Bradley:

Suburban Laboratories, Inc. received 2 sample(s) on 9/24/2024 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Tiffany Heifferon
Project Manager

THeifferon@suburbanlabs.com





Client: Carow Land Surveying & Environmental

Date: November 05, 2024

Project: Saddle Ridge Drinking Water.

PO #:

WorkOrder: 2409D32

QC Level:

Temperature of samples upon receipt at SLI: C

Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the Wisconsin Department of Natural Resources is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the DNR at (608) 267-7633.
- All water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.
- All LODs and LOQs have been adjusted for dilution factor, percent moisture if applicable, initial weight/volume and final volume.

Abbreviations:

- LOD: The minimum concentration of a substance (an analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte.
- LOQ: The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
- MCL: Maximum Contaminant Level
- J: The analyte was positively identified above our LOD and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction.
- TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab
- WI: This sample was ran at the Wisconsin Laboratory, Mequon WI Lab: WI DATCP Certified #500360, WI DNR Certified #246179890

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater

Client: Carow Land Surveying & Environmental	Date: November 05, 2024
Project: Saddle Ridge Drinking Water.	PO #:
WorkOrder: 2409D32	QC Level:
Temperature of samples upon receipt at SLI: C	Chain of Custody #:

- USP: Latest version of United States Pharmacopeia

Bacteria Reporting:

A bacteria result with the result of <1 is considered safe.

A bacteria result that has a count of anything greater than zero is considered Unsafe.

Absent is equivalent to Safe

Present is equivalent to Unsafe.

Record Holding:

Suburban Laboratories will retain all analytical records associated with this report for a period of 5 years. Records may be disposed of after that.”

Workorder Specific Comments:

G = Samples subcontracted to Eurofins Eaton Analytical, Inc (800-332-4345), formerly Underwriters Laboratories, for some of the analysis requested.

This report supersedes previous report dated 10/29/24. Corrected project name.



Client ID: Carow Land Surveying & Environmental

Report Date: November 05, 2024

Project Name: Saddle Ridge Drinking Water.

Workorder: 2409D32

Client Sample ID/Monitoring Point: Entry Point

Matrix: DRINKING WATER

Lab ID: 2409D32-001

Date Received: 09/24/2024 4:54 PM

Collection Date: 09/24/2024 12:00 PM

Parameter	Result	LOD	LOQ	Qual.	MCL	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP									
				Method: EPA-200.7-Rev 4.4,1994			Analyst: SCT		
Sodium	2,090	123	410			µg/L	1	10/08/2024 7:11 PM	100657
ORGANOCHLORINE PEST/PCB (WI)									
				Method: EPA-505-Rev 2.1, 1995			Analyst: RDM		
Aroclor 1016	<	0.022	0.073	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1221	<	0.013	0.043	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1232	<	0.020	0.067	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1242	<	0.020	0.067	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1248	<	0.0099	0.033	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1254	<	0.020	0.067	c		µg/L	1	09/25/2024 10:59 PM	100600
Aroclor 1260	<	0.020	0.067	c		µg/L	1	09/25/2024 10:59 PM	100600
Endrin	<	0.031	0.11		2.0	µg/L	1	09/25/2024 10:59 PM	100600
gamma-BHC	<	0.016	0.054		0.20	µg/L	1	09/25/2024 10:59 PM	100600
Heptachlor	<	0.018	0.060		0.40	µg/L	1	09/25/2024 10:59 PM	100600
Heptachlor epoxide	<	0.019	0.064		0.20	µg/L	1	09/25/2024 10:59 PM	100600
Hexachlorobenzene	<	0.012	0.040		1.0	µg/L	1	09/25/2024 10:59 PM	100600
Hexachlorocyclopentadiene	<	0.022	0.074		50	µg/L	1	09/25/2024 10:59 PM	100600
Methoxychlor	<	0.061	0.21		40	µg/L	1	09/25/2024 10:59 PM	100600
PCBs (as Aroclors)	<	0.016	0.054			µg/L	1	09/25/2024 10:59 PM	100600
Toxaphene	<	0.075	0.25	c	3.0	µg/L	1	09/25/2024 10:59 PM	100600
CHLORINATED ACID HERBICIDES									
				Method: EPA-515.4-Rev 1.0, 2000			Analyst: RDM		
Dalapon	<	0.266	0.890		200	µg/L	1	10/01/2024 2:31 PM	100687
2,4-D	<	0.320	1.10		10.0	µg/L	1	10/01/2024 2:31 PM	100687
Pentachlorophenol	<	0.0136	0.0460		1.00	µg/L	1	10/01/2024 2:31 PM	100687
2,4,5-TP (Silvex)	<	0.0760	0.253		50.0	µg/L	1	10/01/2024 2:31 PM	100687
Picloram	<	0.115	0.390		500	µg/L	1	10/01/2024 2:31 PM	100687
Dinoseb	<	0.235	0.790		7.00	µg/L	1	10/01/2024 2:31 PM	100687
SS: DCAA	97.2	70 - 130				%Rec	1	10/01/2024 2:31 PM	100687
VOLATILE ORGANIC COMPOUNDS (REGULATED)									
				Method: EPA-524.2-Rev R4.1			Analyst: RY		
Bromodichloromethane	<	0.263	0.880			µg/L	1	09/27/2024 3:19 PM	R182097
Total 1,3-Dichloropropene	<	0.243	0.810			µg/L	1	09/27/2024 3:19 PM	R182097
trans-1,3-Dichloropropene	<	0.261	0.870			µg/L	1	09/27/2024 3:19 PM	R182097
Trichlorofluoromethane	<	0.241	0.810			µg/L	1	09/27/2024 3:19 PM	R182097
Benzene	<	0.283	0.950		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Carbon tetrachloride	<	0.342	1.14		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Chlorobenzene	<	0.245	0.820		100	µg/L	1	09/27/2024 3:19 PM	R182097
1,4-Dichlorobenzene	<	0.393	1.31		75.0	µg/L	1	09/27/2024 3:19 PM	R182097
1,2-Dichlorobenzene	<	0.354	1.18		600	µg/L	1	09/27/2024 3:19 PM	R182097

Mequon WI Lab: WI DATCP Certified #105331, WI DNR Certified #246179890

Geneva IL Corporate Headquarters: WI DATCP Certified #10510122, WI DNR Certified #399089350



Client ID: Carow Land Surveying & Environmental

Report Date: November 05, 2024

Project Name: Saddle Ridge Drinking Water.

Workorder: 2409D32

Client Sample ID/Monitoring Point: Entry Point

Matrix: DRINKING WATER

Lab ID: 2409D32-001

Date Received: 09/24/2024 4:54 PM

Collection Date: 09/24/2024 12:00 PM

Parameter	Result	LOD	LOQ	Qual.	MCL	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS (REGULATED)			Method: EPA-524.2-Rev R4.1				Analyst: RY		
1,2-Dichloroethane	<	0.202	0.680		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
1,1-Dichloroethene	<	0.432	1.44		7.00	µg/L	1	09/27/2024 3:19 PM	R182097
cis-1,2-Dichloroethene	<	0.396	1.32		70.0	µg/L	1	09/27/2024 3:19 PM	R182097
trans-1,2-Dichloroethene	<	0.296	0.990		100	µg/L	1	09/27/2024 3:19 PM	R182097
1,2-Dichloropropane	<	0.388	1.30		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Ethylbenzene	<	0.275	0.920		700	µg/L	1	09/27/2024 3:19 PM	R182097
Methylene chloride	<	0.345	1.15		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Styrene	<	0.280	0.940		100	µg/L	1	09/27/2024 3:19 PM	R182097
Tetrachloroethene	<	0.377	1.26		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Toluene	<	0.264	0.880		1,000	µg/L	1	09/27/2024 3:19 PM	R182097
1,2,4-Trichlorobenzene	<	0.282	0.940		70.0	µg/L	1	09/27/2024 3:19 PM	R182097
Trichloroethene	<	0.298	1.00		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
1,1,1-Trichloroethane	<	0.278	0.930		200	µg/L	1	09/27/2024 3:19 PM	R182097
1,1,2-Trichloroethane	<	0.232	0.780		5.00	µg/L	1	09/27/2024 3:19 PM	R182097
Vinyl chloride	<	0.300	1.00		2.00	µg/L	1	09/27/2024 3:19 PM	R182097
m,p-Xylene	<	0.414	1.38			µg/L	1	09/27/2024 3:19 PM	R182097
o-Xylene	<	0.220	0.740			µg/L	1	09/27/2024 3:19 PM	R182097
Total Xylenes	<	0.414	1.38		10,000	µg/L	1	09/27/2024 3:19 PM	R182097
SS: 1,2-Dichlorobenzene-d4	99.4	70 - 130				%Rec	1	09/27/2024 3:19 PM	R182097
SS: 4-Bromofluorobenzene	95.8	70 - 130				%Rec	1	09/27/2024 3:19 PM	R182097
CARBAMATES			Method: EPA-531.2-Rev 1, 2001				Analyst: RHY		
Oxamyl	<	0.320	1.10		200	µg/L	1	10/02/2024 9:49 PM	R182272
Carbofuran	<	0.200	0.670		40.0	µg/L	1	10/02/2024 9:49 PM	R182272
SS: BDMC	72.8	70 - 130				%Rec	1	10/02/2024 9:49 PM	R182272
GLYPHOSATE			Method: EPA-547-Rev 33055				Analyst: RHY		
Glyphosate	<	2.72	25.0		700	µg/L	1	09/25/2024 3:44 PM	R181984
ENDOTHALL			Method: EPA-548.1-Rev 1.0, 1992				Analyst: NJ		
Endothall	<	3.91	13.0		100	µg/L	1	09/27/2024 5:36 PM	100620
DIQUAT/PARAQUAT BY HPLC			Method: EPA-549.2-Rev 1.0, 1997				Analyst: RHY		
Diquat	<	0.527	2.0		20	µg/L	1	09/27/2024 12:05 PM	100636
NITRATE AS N, CALCULATED			Method: MCAWW-353.2-Rev 2.0, August 1993				Analyst: SMN		
Nitrate	<	0.093	0.31		10	mg/L	1	10/04/2024 11:54 AM	R182351



Client ID: Carow Land Surveying & Environmental

Project Name: Saddle Ridge Drinking Water.

Report Date: November 05, 2024

Workorder: 2409D32

A handwritten signature in black ink, appearing to read 'Tiffany Heifferon'.

Tiffany Heifferon
Project Manager

THeifferon@suburbanlabs.com



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

PREP DATES REPORT

Client: Carow Land Surveying & Environmental (CLSE)
Project: Saddle Ridge Drinking Water.

Report Date: November 05, 2024
Lab Order: 2409D32

Sample ID	Collection Date	Batch ID	Prep Test Name	TCLP Date	Prep Date
2409D32-001C	9/24/2024 12:00:00 PM	100636	DIQUAT/PARAQUAT PREP		9/26/2024
2409D32-001E		100600	AQPREP: 505		9/25/2024
2409D32-001F		100687	AQPREP: Herbs		9/30/2024
2409D32-001H		100620	ENDOTHALL PREP		9/26/2024
2409D32-001J		100657	Turbidity Check		9/26/2024



Qualifiers:

*X	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
K	Results can be used for NR 812 compliance only
N	Tentatively identified compounds
ND	Not detected at the limit of detection (MDL)
P	Present
Q	Accreditation is not available from Wisconsin
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
T	Analyte detected in sample trip blank
V	EPA requires field analysis/filtration. Lab analysis would be considered past hold time.
WI	This sample was ran at the Wisconsin Laboratory, WI DNR Certified #246179890



SUBURBAN LABORATORIES, METIRI GROUP

10520 N Baehr Rd Ste J, Mequon, WI 53092

Tel. 708.544.3260

login@suburbanlabs.com

www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

Electronic Version

Company Name Carow Land Surveying & Environmental (CLSE)

Street Address 615 N Lynndale Drive

City Appleton State WI Zip 59414

Office Phone 920.731.4168 Mobile 920.381.4979

Email Address lynn@clse.pro

Project ID/Location

Project Manager (Report to) Lynn Bradley

Sample Collector(s) Lynn Bradley

TURNAROUND TIME REQUESTED

☐ Normal

☐ RUSH*

* Must be pre-approved and surcharges apply. Checking this box indicates your approval of surcharges.

Date Report Needed:

REGULATORY PROGRAM/LIMITS REQUIRED

☐ None/For Information Only

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

Page 1 of 24

PO #

Report Type ☐ Normal ☐ Special*

* Additional charges apply for QC reports and raw data. Specify in comments section

Shipping Method

LAB USE ONLY

Work Order # 2409432

Temperature of Samples 8.7 °C

Received within 24 hours of collection? ☐ No ☐ Yes

Lab Comment LAB #

SAMPLE IDENTIFICATION (Use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE												
	DATE	TIME			QTY	SIZE & TYPE													
1 Entry Point	9/24/14	1300	DW																
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

COMMENTS & SPECIAL INSTRUCTIONS:

LOOKAL Public DW

1. Relinquished By

Date

2. Relinquished By

Date

3. Relinquished By

Date

4. Relinquished By

Date

Received By

Time

Received By

Time

Received By

Time

Received By

Time

☐ Ice

☐ Ice

☐ Ice

☐ Ice

THIS FORM MUST BE FILLED OUT COMPLETELY BY THE SAMPLE COLLECTOR OR SUBMITTER AND ORIGINAL FORM MUST ACCOMPANY SAMPLES AT ALL TIMES.

Rev 2/17

VOLATILE ORGANIC ANALYSES
(ENCLOSE FORM WHEN SENDING SAMPLE TO LAB)

Section I: System Information (to be completed by Department of Natural Resources/SAMPLER)

System Name: **SADDLE RIDGE ESTATES**

PWS ID: **11101233**

DNR Contact: **JESSICA MINICH (715)797-5360**

Region: **1** Type: **OC**



System Address: **599 SADDLE RIDGE**

City: **PORTAGE**

County: **COLUMBIA**

Entry Point ID: **200** WI Unique Well No:

Note:

Sampler Contact Info: (Notify DNR Contact of Corrections) (920)731-4168 LYNN BRADLEY 615 N LYNNDAL DRIVE APPLETON WI 54914		Sampler: (Leave Blank If You Don't Use These Services) Provide information to have results faxed or emailed or to change a billing address, if your lab offers these services Fax Number: Email: Billing Address:
Sample Source: (Location) W - Well Source X E - Entry Point D - Distribution System	Sample Type: (Check Only One) X D - Compliance Sample C - Confirmation Sample I - Investigation Sample W - Raw Water Sample	

Special Instructions:

Collect Sample between: **1/1/2024** and **9/30/2024**

Section II: Sample Information (to be completed by SAMPLER -- ALL ITEMS REQUIRED)

Sample Collection Date: **9/24/24** (mm/dd/yyyy) Time: **12:00** ☐ a.m. ☒ p.m.

Address where sample was collected: **Well Entry Point**

Monitoring Site ID: Sample Tap Location (e.g. kitchen sink): **Entry Point**

First Initial and Last Name of Sampler: **L - Bradley** Sampler Phone: **920 381 4979**

Section III: To be completed by LAB. Report results on back for PWS and electronically to DNR within 10 days per NR 809.80

☐ Check here if some or all of the parameters were analyzed by a subcontracted lab.

NOTE: A separate form must be completed by each lab with data for only the parameters which that lab analyzed.

Laboratory ID:

Laboratory Name:

Date Sample Received: / /

Time: :

Lab Sample ID:

Signature of Receiving Lab Official:

Date Reported to PWS: / /

Condition of Sample Upon Receipt:

SYNTHETIC ORGANIC ANALYSES
(ENCLOSE FORM WHEN SENDING SAMPLE TO LAB)

Section I: System Information (to be completed by Department of Natural Resources/SAMPLER)

System Name: **SADDLE RIDGE ESTATES**

PWS ID: **11101233**

DNR Contact: **JESSICA MINICH (715)797-5360**

Region: **1** Type: **OC**



System Address: **599 SADDLE RIDGE**

City: **PORTAGE**

County: **COLUMBIA**

Entry Point ID: **200** WI Unique Well No:

Note:

Sampler Contact Info: (Notify DNR Contact of Corrections) (920)731-4168 LYNN BRADLEY 615 N LYNNDALE DRIVE APPLETON WI 54914	Sampler: (Leave Blank If You Don't Use These Services) Provide information to have results faxed or emailed or to change a billing address, if your lab offers these services Fax Number: Email: Billing Address:
Sample Source: (Location) W - Well Source X E - Entry Point D - Distribution System	Sample Type: (Check Only One) X D - Compliance Sample C - Confirmation Sample I - Investigation Sample W - Raw Water Sample

Special Instructions:

Collect Sample between: **1/1/2024** and **9/30/2024**

Section II: Sample Information (to be completed by SAMPLER -- ALL ITEMS REQUIRED)

Sample Collection Date: **9/24/24** (mm/dd/yyyy) Time: **12:00** ☐ a.m. ☒ p.m.

Address where sample was collected: **Well - Entry Point**

Monitoring Site ID:

Sample Tap Location (e.g. kitchen sink): **Entry Point**

First Initial and Last Name of Sampler: **L - Bradley**

Sampler Phone: **9203814979**

Section III: To be completed by LAB. Report results on back for PWS and electronically to DNR within 10 days per NR 809.80

☐ Check here if some or all of the parameters were analyzed by a subcontracted lab.

NOTE: A separate form must be completed by each lab with data for only the parameters which that lab analyzed.

Laboratory ID:

Laboratory Name:

Date Sample Received: / /

Time: :

Lab Sample ID:

Signature of Receiving Lab Official:

Date Reported to PWS: / /

Condition of Sample Upon Receipt:

INORGANIC ANALYSES

(ENCLOSE FORM WHEN SENDING SAMPLE TO LAB)

Section I: System Information (to be completed by Department of Natural Resources/SAMPLER)

System Name: **SADDLE RIDGE ESTATES**

PWS ID: **11101233**

DNR Contact: **JESSICA MINICH (715)797-5360**

Region: 1 Type: **OC**

System Address: **599 SADDLE RIDGE**

City: **PORTAGE**

County: **COLUMBIA**

Entry Point ID: **200** WI Unique Well No:

Note:

Sampler Contact Info: (Notify DNR Contact of Corrections)
(920)731-4168
LYNN BRADLEY
615 N LYNNDAL DRIVE
APPLETON WI 54914

Sampler: (Leave Blank If You Don't Use These Services)
Provide information to have results faxed or emailed or to
change a billing address, if your lab offers these services
Fax Number:
Email:
Billing Address:

Sample Source: (Location)

☐ W - Well Source
☒ E - Entry Point
☐ D - Distribution System

Sample Type: (Check Only One)

☒ D - Compliance Sample
☐ C - Confirmation Sample
☐ I - Investigation Sample
☐ W - Raw Water Sample

Special Instructions:

Collect Sample between: **1/1/2024** and **9/30/2024**

Section II: Sample Information (to be completed by SAMPLER -- ALL ITEMS REQUIRED)

Sample Collection Date: **9/24/24** (mm/dd/yyyy) Time: **12:00** ☐ a.m. ☒ p.m.

Address where sample was collected: **Entry Point Well**

Monitoring Site ID:

Sample Tap Location (e.g. kitchen sink): **Entry Point**

First Initial and Last Name of Sampler: **L - Bradley**

Sampler Phone: **920 381 4979**

Section III: To be completed by LAB. Report results on back for PWS and electronically to DNR within 10 days per NR 809.80

☐ Check here if some or all of the parameters were analyzed by a subcontracted lab.

NOTE: A separate form must be completed by each lab with data for only the parameters which that lab analyzed.

Laboratory ID:

Laboratory Name:

Date Sample Received: / /

Time: :

Lab Sample ID:

Signature of Receiving Lab Official:

Date Reported to PWS: / /

Condition of Sample Upon Receipt:

ANALYTICAL REPORT

PREPARED FOR

Attn: Drinking Water Reporting
Suburban Laboratories Inc
1950 S Batavia Avenue
Suite 150
Geneva, Illinois 60134

Generated 10/4/2024 12:31:24 PM

JOB DESCRIPTION

2409D32

JOB NUMBER

810-121919-1

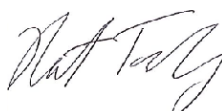
Eurofins Eaton Analytical South Bend

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization



Generated
10/4/2024 12:31:24 PM

Authorized for release by
Nathan Trowbridge, Manager of Project Management
Nathan.Trowbridge@et.eurofinsus.com
Designee for
Traci Chlebowski, Senior Project Manager
Traci.Chlebowski@et.eurofinsus.com
(574)233-4777

Table of Contents

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Definitions/Glossary

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Suburban Laboratories Inc
Project: 2409D32

Job ID: 810-121919-1

Job ID: 810-121919-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-121919-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/27/2024 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC/MS Semi VOA

Method 525.2_PREC: The continuing calibration verification (CCV) associated with batch 810-117014 recovered above the upper control limit (130%) for Bis(2-ethylhexyl) phthalate (131%), Di(2-ethylhexyl) adipate (141%), Dieldrin (132%), and Methoxychlor (145%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 2409D32-001B (810-121919-1) and (CCVIS 810-116850/2-A).

Method 525.2_PREC: The laboratory control sample (LCS) for preparation batch 810-116844 and analytical batch 810-117014 recovered outside control limits (70-130%) for the following analytes: 4,4-DDT (132%), Alachlor (132%), Bis(2-ethylhexyl) phthalate (143%), Di(2-ethylhexyl) adipate (152%), Dieldrin (134%), Endrin (135%), and Methoxychlor (151%). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. Sample Affected: 2409D32-001B (810-121919-1) and (LCS 810-116844/2-A).

Method 525.2_PREC: The low level laboratory control sample (LLCS) for preparation batch 810-116844 and analytical batch 810-117014 recovered outside control limits (50-150%) for the following analytes: Benzo[a]pyrene (166%), Di(2-ethylhexyl) adipate (153%), Dieldrin (154%), and Endrin (224%). These analytes were biased high in the LLCS and were not detected in the associated samples; therefore, the data have been reported. Sample Affected: 2409D32-001B (810-121919-1) and (LLCS 810-116844/3-A).

Method 525.2_PREC: The continuing calibration verification (CCV) associated with batch 810-117014 recovered above the upper control limit (130%) for Di(2-ethylhexyl) adipate (134%). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: 2409D32-001B (810-121919-1) and (CCVIS 810-116850/2-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Client Sample ID: 2409D32-001B

Lab Sample ID: 810-121919-1

Date Collected: 09/24/24 12:00

Matrix: Drinking Water

Date Received: 09/27/24 10:00

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
4,4'-DDE	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
4,4'-DDT	<0.10	*+	0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Alachlor	<0.10	*+	0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Aldrin	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Atrazine	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Benzo[a]pyrene	<0.020	*+	0.020	ug/L		09/30/24 09:33	10/01/24 19:23	1
Di (2-ethylhexyl)phthalate	<0.60	*+	0.60	ug/L		09/30/24 09:33	10/01/24 19:23	1
Di(2-ethylhexyl)adipate	<0.60	*+	0.60	ug/L		09/30/24 09:33	10/01/24 19:23	1
Dieldrin	<0.10	*+	0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Endrin	<0.010	*+	0.010	ug/L		09/30/24 09:33	10/01/24 19:23	1
gamma-BHC (Lindane)	<0.020		0.020	ug/L		09/30/24 09:33	10/02/24 14:27	1
Heptachlor	<0.010		0.010	ug/L		09/30/24 09:33	10/01/24 19:23	1
Heptachlor epoxide	<0.010		0.010	ug/L		09/30/24 09:33	10/01/24 19:23	1
Hexachlorobenzene	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Hexachlorocyclopentadiene	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Methoxychlor	<0.10	*+	0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1
Simazine	<0.070		0.070	ug/L		09/30/24 09:33	10/01/24 19:23	1
Total detectable DDT	<0.10		0.10	ug/L		09/30/24 09:33	10/01/24 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	09/30/24 09:33	10/01/24 19:23	1
2-Nitro-m-xylene	98		70 - 130	09/30/24 09:33	10/02/24 14:27	1
Perylene-d12	91		70 - 130	09/30/24 09:33	10/01/24 19:23	1
Perylene-d12	89		70 - 130	09/30/24 09:33	10/02/24 14:27	1
Triphenylphosphate	95		70 - 130	09/30/24 09:33	10/01/24 19:23	1
Triphenylphosphate	85		70 - 130	09/30/24 09:33	10/02/24 14:27	1

Lab Chronicle

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Client Sample ID: 2409D32-001B

Lab Sample ID: 810-121919-1

Date Collected: 09/24/24 12:00

Matrix: Drinking Water

Date Received: 09/27/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			116844	EB	EA SB	09/30/24 09:33
Total/NA	Analysis	525.2		1	117186	TR	EA SB	10/02/24 14:27
Total/NA	Prep	525.2			116844	EB	EA SB	09/30/24 09:33
Total/NA	Analysis	525.2		1	117014	TR	EA SB	10/01/24 19:23

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Accreditation/Certification Summary

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Laboratory: Eurofins Eaton Analytical South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-26
Illinois	NELAP	200001	09-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	Total detectable DDT

Method Summary

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA SB
525.2	Extraction of Semivolatile Compounds	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



Sample Summary

Client: Suburban Laboratories Inc
Project/Site: 2409D32

Job ID: 810-121919-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-121919-1	2409D32-001B	Drinking Water	09/24/24 12:00	09/27/24 10:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



CHAIN OF CUSTODY RECORD

Omega COCID 43346

PAGE: 1

OF: 1



ADDRESS
Suburban Laboratories, Inc.
1950 S. Batavia Ave., Suite 150
Geneva, IL 60134
TEL: (708) 544-3260
FAX: (708) 544-8587
Website: www.suburbanlabs.com



810-121919 Chain of Custody

SUB CONTRACTOR: EUROFINS		COMPANY: Eurofins Eaton Analytical		SPECIAL INSTRUCTIONS / COMMENTS:	
ADDRESS: 110 South Hill Street					
CITY, STATE, ZIP: South Bend, IN 46617					
PHONE: (574) 233-4777 FAX: (574) 233-8207 EMAIL:					
ACCOUNT #:					
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED
1	2409D32-001B	Entry Point	A-L-NS	Drinking Water	9/24/2024 12:00:00 PM
525_DW_WI		NUMBER OF CONTAINERS		COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.	
		2		525_DW_WI(14/29): DM13NBZ2 ALACL ATRAZINE BZAP D	

Initial Temp: 1.0
Corrected Temp: 1.6 wet
IR Gun # 31

Client Provided Sample Container

Relinquished By:		Date: 9-26-24 Time: 14:00		Received By: <i>Tiffany</i> Date: 9/27/24 Time: 1000		REPORT TRANSMITTAL DESIRED: ☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE	
Relinquished By:		Date: Time:		Received By:		FOR LAB USE ONLY	
TAT: Standard ☐ RUSH ☐		Next BD ☐ 2nd BD ☐ 3rd BD ☐		Temp of samples °C		Attempt to Cool? °C	
				Comments:			
Note: RUSH requests will incur surcharges!							

Login Sample Receipt Checklist

Client: Suburban Laboratories Inc

Job Number: 810-121919-1

Login Number: 121919

List Number: 1

Creator: Trowbridge, Peyton

List Source: Eurofins Eaton Analytical South Bend

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	False	Client provided containers