



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Elmira Water Board

Project Name: NY Drinking Water

Kaden Cole
One Fountain DR
Elmira, NY 14905

Project / PO Number: N/A
Received: 05/26/2023
Reported: 06/09/2023

Analytical Testing Parameters

Client Sample ID: Sullivan - Well #1 - Before Aeration
Sample Matrix: Drinking Water
Lab Sample ID: S3E0566-01

Collected By: Kaden Cole
Collection Date: 05/23/2023 8:35

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Table with 9 columns: Volatile Organic Compounds by GCMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Rows include various compounds like Benzene, Bromobenzene, etc., with their respective results and limits.



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Client Sample ID: Sullivan - Well #1 - Before Aeration	Collected By: Kaden Cole
Sample Matrix: Drinking Water	Collection Date: 05/23/2023 8:35
Lab Sample ID: S3E0566-01	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Isopropylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
4-Isopropyltoluene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Methyl tert-butyl ether	<0.50	10 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Methylene chloride	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Naphthalene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
n-Propylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Styrene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,1,1,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,1,2,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Tetrachloroethene	<0.50	5 MCL	0.50	ug/L			06/05/23 1817	IMM
Toluene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,2,4-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,2,3-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,1,1-Trichloroethane	0.52	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,1,2-Trichloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Trichloroethene	13.2	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Trichlorofluoromethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,2,3-Trichloropropane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,2,4-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
1,3,5-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Vinyl chloride	<0.50	2 NYVOA	0.50	ug/L			06/05/23 1817	IMM
m&p-xylene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
o-Xylene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Xylenes (total)	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1817	IMM
Surrogate: 4-Bromofluorobenzene	89.6	Limit: 70-130		% Rec			06/05/23 1817	IMM
Surrogate: 1,2-Dichlorobenzene-d4	96.4	Limit: 70-130		% Rec			06/05/23 1817	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Client Sample ID: Sullivan - Well #1 - After Stripper

Sample Matrix: Drinking Water

Lab Sample ID: S3E0566-02

Collected By: Kaden Cole

Collection Date: 05/23/2023 8:50

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Table with columns: Volatile Organic Compounds by GCMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Includes a list of compounds and their corresponding results and limits.



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Client Sample ID: Sullivan - Well #1 - After Stripper

Sample Matrix: Drinking Water

Lab Sample ID: S3E0566-02

Collected By: Kaden Cole

Collection Date: 05/23/2023 8:50

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,1,2,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Tetrachloroethene	<0.50	5 MCL	0.50	ug/L			06/05/23 1841	IMM
Toluene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,2,4-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,2,3-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,1,1-Trichloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,1,2-Trichloroethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Trichloroethene	0.75	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Trichlorofluoromethane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,2,3-Trichloropropane	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,2,4-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
1,3,5-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Vinyl chloride	<0.50	2 NYVOA	0.50	ug/L			06/05/23 1841	IMM
m&p-xylene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
o-Xylene	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Xylenes (total)	<0.50	5 NYVOA	0.50	ug/L			06/05/23 1841	IMM
Surrogate: 4-Bromofluorobenzene	89.8	Limit: 70-130		% Rec			06/05/23 1841	IMM
Surrogate: 1,2-Dichlorobenzene-d4	97.8	Limit: 70-130		% Rec			06/05/23 1841	IMM



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Client Sample ID: Trip Blank
Sample Matrix: Drinking Water
Lab Sample ID: S3E0566-03

Collected By: Client
Collection Date: 05/23/2023 8:35

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Table with columns: Volatile Organic Compounds by GCMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Includes a list of compounds like Benzene, Bromobenzene, etc., with their respective results and limits.



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S3E0566

Client Sample ID: Trip Blank	Collected By: Client
Sample Matrix: Drinking Water	Collection Date: 05/23/2023 8:35
Lab Sample ID: S3E0566-03	

Volatile Organic Compounds by GCMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,1,2,2-Tetrachloroethane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Tetrachloroethene	<0.50	5 MCL	0.50	ug/L	H		06/07/23 1929	IMM
Toluene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,2,4-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,2,3-Trichlorobenzene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,1,1-Trichloroethane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,1,2-Trichloroethane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Trichloroethene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Trichlorofluoromethane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,2,3-Trichloropropane	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,2,4-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
1,3,5-Trimethylbenzene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Vinyl chloride	<0.50	2 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
m&p-xylene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
o-Xylene	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Xylenes (total)	<0.50	5 NYVOA	0.50	ug/L	H		06/07/23 1929	IMM
Surrogate: 4-Bromofluorobenzene	85.2	Limit: 70-130		% Rec	H		06/07/23 1929	IMM
Surrogate: 1,2-Dichlorobenzene-d4	90.4	Limit: 70-130		% Rec	H		06/07/23 1929	IMM

Results in bold have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

- H:** Sample was analyzed past holding time.
- MCL:** US EPA Maximum Contaminant Level
- NYVOA:** New York DOH Part 5 Public Water System MCLs
- RL:** Reporting Limit
- ug/L:** Micrograms per Liter

Project Requested Certification(s)

Microbac Laboratories, Inc. - Dayville
11549

New York State Department of Health

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <<https://www.microbac.com/standard-terms-conditions>>.

Reviewed and Approved By:

Renee Lantz
Customer Relationship Specialist
Reported: 06/09/2023 21:46

CHAIN OF CUSTODY

MNY Workorder # _____

Client Information		Billing/Invoice:	Analysis Requested			
Name: <u>Elmira Water Board</u>			VOC			
Address: <u>1 Fountain Dr Elmira NY 14905</u>						
Contact: <u>Koden Cole</u>						
Phone: <u>(607)-732-2277</u>						
Project:						
Quote ID:	PO#:					
Rush TAT Bus. Days: <u><2 2-5 5-7 7-10</u>	Date Req.:					
Release to DOH: Yes						
Email Results: Yes						
Fax Results: Yes						

Receiving Info (Lab Use Only)

Ice: YES NO

Cooler: YES NO

Sample Temp: 1.6

Cooler Seal: YES NO

Pickup: YES NO

Dropoff: C W

Accepted? YES NO

Sample Information					Matrix Type	Number of Containers for Analysis Requested	Comments/Field Data
Description/Location	Date	Time	Initial				
1 VOC / Sullivan Well 1 Before Aeration	5/23/23	8:35	KC				
2 VOC / Sullivan Well 1 After Stripper	5/23/23	8:50	KC				
3							
4							
5							
6							
7							
8							



Print Name and Company	Signature	Date/Time
Sampled: <u>Koden Cole Elmira Water Board</u>	<i>[Signature]</i>	<u>5/23/23</u>
Received: <u>Est. Tommasi</u>	<i>[Signature]</i>	<u>5-25-23</u>
Received:		
Received:		
Received:		
Received: <u>Mnau - Kim Jones</u>	<i>[Signature]</i>	<u>5/26/23</u>

PLACE ALL SAMPLES IN BAGS WITH ICE.

Temp: 1.6

Time: 8:14 #7

Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.