



1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 23D0598

Client Name: Lake Monticello Home Owners Association
725 Jefferson Drive

Palmyra, VA 22963

Submitted To: Mark Luger

Client Site I.D.: Lake Monticello

Date Received: April 12, 2023 11:40

Date Issued: April 13, 2023 16:26

Project Number: [none]

Purchase Order:

Enclosed are the results of analyses for samples received by the laboratory on 04/12/2023 11:40. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

A handwritten signature in black ink that reads 'Ted Soyars'.

Ted Soyars
Technical Director

End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Enthalpy Analytical.



TNI Accredited
VELAP ID 460021



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725 Jefferson Drive Project Number: [none]
Palmyra VA, 22963 Purchase Order:
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ANALYTICAL REPORT FOR SAMPLES

Laboratory Order ID 23D0598

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Marker 1	23D0598-01	Ground Water	04/12/2023 09:00	04/12/2023 11:40
Marker 2	23D0598-02	Ground Water	04/12/2023 09:00	04/12/2023 11:40
Marker 3	23D0598-03	Ground Water	04/12/2023 09:00	04/12/2023 11:40



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	725 Jefferson Drive	Project Number:	[none]
	Palmyra VA, 22963	Purchase Order:	
Submitted To:	Mark Luger		
Client Site I.D.:	Lake Monticello		

Laboratory Order ID: 23D0598

Analytical Results

Sample I.D. Marker 1	Laboratory Sample ID: 23D0598-01
Grab Date/Time: 04/12/2023 09:00	
Field Residual Cl:	Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Microbiological Analysis									
E. Coli (MPN)	01	Colilert 18 QT	<1 MPN/100 mL		1	1	04/12/23 16:20	04/12/23 16:20	BMS



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Laboratory Order ID: 23D0598

Analytical Results

Sample I.D. Marker 2 Laboratory Sample ID: 23D0598-02
 Grab Date/Time: 04/12/2023 09:00
 Field Residual Cl: Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Microbiological Analysis									
E. Coli (MPN)	02	Colilert 18 QT	1 MPN/100 mL	1	1		04/12/23 16:20	04/12/23 16:20	BMS



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Laboratory Order ID: 23D0598

Analytical Results

Sample I.D. Marker 3 Laboratory Sample ID: 23D0598-03
 Grab Date/Time: 04/12/2023 09:00
 Field Residual Cl: Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Microbiological Analysis									
E. Coli (MPN)	03	Colilert 18 QT	2 MPN/100 mL	1	1		04/12/23 16:20	04/12/23 16:20	BMS

Analytical Summary

Administrative

Preparation Method:

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Microbiological Analysis					
			Preparation Method: No Prep Micro		
23D0598-01	100 mL / 100 mL	Colilert 18 QT	BGD0427	SGD0453	
23D0598-02	100 mL / 100 mL	Colilert 18 QT	BGD0427	SGD0453	
23D0598-03	100 mL / 100 mL	Colilert 18 QT	BGD0427	SGD0453	

QC Analytical Summary



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Certified Analyses included in this Report

Analyte	Certifications		
<i>Colilert 18 QT in Non-Potable Water</i>			
E. Coli (MPN)	VELAP		
Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2023
NC	North Carolina DENR	495	12/31/2023
NCDEQ	North Carolina DEQ	495	12/31/2023
NCDOH	North Carolina Department of Health	51714	07/31/2023
NYDOH	New York DOH Drinking Water	12069	04/01/2024
PADEP	NELAP-Pennsylvania Certificate #008	68-03503	10/31/2023
SCDHEC	South Carolina Dept of Health and Environmental	93016	06/14/2023
VELAP	NELAP-Virginia Certificate #12333	460021	06/14/2023
WVDEP	West Virginia DEP	350	11/30/2023



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Summary of Data Qualifiers

RPD Relative Percent Difference

Qual Qualifiers

-RE Denotes sample was re-analyzed

D.F. Dilution Factor. Please also see the Preparation Factor in the Analysis Summary section.

TIC Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.

PCBs, Total Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.



1941 REYMET ROAD
 RICHMOND, VIRGINIA 23237
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Chain of Custody
 Form #: D1331
 Rev. 1.0
 Effective: Feb 14, 2014

CHAIN OF CUSTODY

COMPANY NAME: Lake Monticello Owners Assn.	INVOICE TO: LMOA	PROJECT NAME/Quote #:
CONTACT: Mark Lugar	INVOICE CONTACT: Mark Lugar	SITE NAME: Lake Monticello
ADDRESS: 725 Jefferson Drive	INVOICE ADDRESS: 725 Jefferson Drive, Palmyra	PROJECT NUMBER:
PHONE #: 434-589-3563	INVOICE PHONE #: 434-589-3563	P.O. #:
FAX #:	EMAIL: mlugar@lmoa.org	Pretreatment Program:

Is sample for compliance reporting? YES **NO** W Is sample from a chlorinated supply? YES **NO** PWS I.D. #: VA
 SAMPLER NAME (PRINT): Mark Lugar SAMPLER SIGNATURE: *Mark Lugar* Turn Around Time: 2 Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other

CLIENT SAMPLE I.D.	Grab	Res. Chlorine (mg/L)	ODW Sample Point	ODW Sample Type	ODW Facility ID	Sample Collection Date	Sample Collection Time	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE)							COMMENTS	
										CBOD	BOD	TSS	TKN / S	E. coli - MPN / T	NITRATES & NITRITES / S	TOTAL PHOSPHOROUS / S		AMMONIA / S
1) Marker 1	x			SP		12-Apr	0900	GW	1					X				Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol PLEASE NOTE PRESERVATIVE(S), INTERFERENCE CHECKS or PUMP RATE (L/min)
2) Marker 2	x			SP		12-Apr	0900	GW	1					X				ODW Sample Type:
3) Marker 3	X			SP		12-Apr	0900	GW	1					X				RT= Routine
4)																		RP=Repeat
5)																		SP=Special
6)																		ST=Spilt
7)																		TG=Triggered
8)																		CO=Confirmation
9)																		<i>on Ice</i>
10)																		<i>no seal</i> <i>277</i>

RELINQUISHED: <i>Debra Taylor</i> DATE / TIME: <i>4/12/23 11:40 am</i>	RECEIVED: <i>Ryan Johnson</i> DATE / TIME: <i>4/12/23 11:46</i>	QC Data Package	LAB USE ONLY	COOLER TEMP <i>11.8</i> °C
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level I <input type="checkbox"/>	Lake Monticello Hc 23D0598 E-coli Recd: 04/12/2023 Due: 04/14/2023	
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level II <input type="checkbox"/>		
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level III <input type="checkbox"/>		
RELINQUISHED: DATE / TIME	RECEIVED: DATE / TIME	Level IV <input type="checkbox"/>		



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Sample Conditions Checklist

Samples Received at:	11.80°C
How were samples received?	Walk In
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis.	Yes

Mark Luger notified via email for: the chain of custody was received with Sample IDs: "Marker 1" "Marker 2" and "Marker 3". However, the bottles are labeled: "M-1" "M-2" & "M-3". Samples have been logged per the chain of custody: "Marker 1" "Marker 2" and "Marker 3". KRC 4/12/23 1731