

Date: 9/20/2022
State of Connecticut DEEP Subsurface Disposal Section Bureau of Materials Management & Compliance Assistance 79 Elm Street, Hartford, CT 06106
RE: Old Lyme Regional School District No. 18 Wastewater Treatment Facility Permit ID# Ul0000393 Facility ID#
To Whom This May Concern:
WhiteWater respectfully submits the Monthly Monitoring Report on behalf of the Old Lyme Regional School District No. 18 Wastewater Treatment Facility for the month ofAugust 2022
Region 18 Schools WWTP complied with all DEEP permit limits for this month.
Region 18 Schools WWTP did not comply with all DEEP required permit limits for this month. Please see page 2 for explanation.
Please distribute to the proper departments as necessary. If you have any questions or comments about this report, please contact me at (888) 377-7678.
Sincerely,
Rolut Withall
Robert Wittenzellner

Connecticut Water & Wastewater Manager

WhiteWater Inc.

COMMENTS			

Facility: Region 18 - Old Ly	me High Sch	iool											retreat	ment M	onthly N	1onitorir	g Report	:						Moi	nth:			August	:		Year:		2022	2
Town: Old Lyme		Contact: Robert Wit	ttenzelln	ner			Operat	or: Tim Co	sta						Phone:	888.377	7678				Facility I	d: 027-05	55	Permit #:UI0000393										
Parameter	Units	Monitoring Frequency	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Flow:	gpd	Daily	594	1338	1338	1986	1986	806	806	806	1327	1327	54	54	1741	1741	1741	371	371	2014	2014	781	781	781	781	1826	3068	3068	1410	1410	1410	4325	4325	1496
Max day	gpd	Daily																																4325
Min daily	gpd	Daily																																54
Ir	fluent:																																	
BOD (5-day)	mg/l	Twice/month										38														65								52
Total Kjeldahl Nitrogen	mg/l	Weekly			70							60.7							58							67.4							120	75
Total Suspended Solids	mg/l	Twice/month										38														58								48
Intermed	liate Proces	ss:																																
Alkalinity	mg/l	Weekly			710							840							940							720							650	772
pH	S.U.	Weekly			7.62							8.05							8.10							8.38							7.94	8.0
Temperature	° F	Weekly			84.0							81.7							79.5							87.3							82.9	83
E	ffluent:																																	
BOD (5-day)	mg/l	Twice/month										<4														<4								#DIV/0!
Fecal Coliform	col/100 ml	Twice/month										<2														34.0								34.0
Total Suspended Solids	mg/l	Twice/month										6														6.7								6.4
Total Kjeldahl Nitrogen	mg/l	Twice/month										0.8														1.19								1.0
Total Nitrogen	mg/l	Twice/month										1.34														2.72								2.0
Nitrate	mg/l	Twice/month										0.5														1.53								1.0
Nitrite	mg/l	Twice/month										<0.010														<0.010								#DIV/0!
Ammonia	mg/l	Twice/month										0.07														<0.05								0.1
Total Phosphorus	mg/l	Twice/month										0.5														0.34								0.4
pH	S.U.	Weekly			7.58							7.95							8.21							7.95							7.89	7.9
					1.20						Statemer																					ш		

Statement of Acknowledgment

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Roll Without

Authorized Official: Robert Wittenzellner Title: Connecticut Water & Wastewater Manger Date: 9/15/2022

#### TABLE D

				:		-						:	
	Onsite V			ovation ing Repo	-	1					Year:	<u>2022</u>	
Facility: Region 18 - Old Lyme High School	Contact: Tim Costa	arterry	WIOTIILOI	ing ixep	ort	Facility	ID: 027	-055	Dischar	ne Seria	I No : 30	1-2	
Town:Old Lyme	Phone # : (888) 377-7678					Permit 7				ing Loca			
,	1					1	, .0.000		1	<u>g _</u>			-
	Monitoring												
Inspection, monitoring or maintenance requirements	frequency	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Parameters													
Pump out grease trap(s).	Quarterly			Х			х						
Mechanical inspection of pump station(s).	Monthly	х	х	Х	Х	х	х	Х	х				
Pump out pump chamber(s).	Annually												
Pump out trash trap(s).	Annually												
Water Meter readings of water usage.	Monthly	Х	х	Х	Х	Х	х	Х	х				
Visual inspection of Zenon system.	Monthly	х	х	х	Х	х	х	Х	х				
Visual inspection of distribution chamber(s).	Monthly	х	х	Х	х	х	х	Х	х				
Mechanical inspection of blower(s).	Monthly	х	х	Х	х	х	х	Х	х				
Mechanical inspection of Ethanol feed system.	Monthly	х	х	х	х	х	х	х	х				
Visual inspection of UV-disinfection system.	Monthly	Х	х	Х	х	х	х	Х	х				
Visual inspection of surface conditions of leaching field.	Quarterly			Х			х						
Depth of ponding in leaching field.	Quarterly			Х			х						
Mow grass over leaching field.	Three Times per Year (minimum)			Х			х						
Note: Indicate completion of required activity with an "X" in the Note: The Sanitarian shall be notified at least of Verification of all pump outs shall be attached to the more	one week prior to pumping of septic t	anks an	d grease	e traps.	· water r		dings o		usage:22	.106.7ga	llons pe	day (gp	ıd)).
I certify under penalty of law that this document and all attachments were preinformation submitted. Based on my inquiry of the person or persons who mabelief, true, accurate and complete. I am aware that there are significant penalty authorized Official: Robert Wittenzellner	anage the system, or those persons directly res	sponsible f the possi	for gatherin	ng the infor	mation, th	e informatio	on submit violations	ted is, to to s. Con		my knowled	lge and	9/15/	/2022
Authorized Oπicial: Robert Wittenzellner	Signature: IColum William					ı itle:	vvater	& wast	ewater IV	ianager	Date:	9/15/	202

SITE: Old Lyme High School (Region 18)

MONTH: August	
---------------	--

YEAR:

2022

	YEAR:												
DATE	MLSS	EQ	TRASH TRAP	OTHER (Skimming Etc)	Hauler								
	Gallons	Gallons	Gallons	Gallons									
1/24/2022	5,000	-	-	-	Wind River Environmental								
Feb.	-	-	-	-	No Pumping								
3/17/2022	5,000	-	-	-	Wind River Environmental - Sludge								
Apr.	-	-	-	-	No Pumping								
May.	-	-	-	-	No Pumping								
Jun.	-	-	-	-	No Pumping								
Jul.	-	-	-	-	No Pumping								
TOTALS	10,000	0	0	0									
тота	LS HAULING	10,000											

Comments:				
-				
_				

#### TABLE G

#### **Groundwater Monitoring Report**

Year: 2022

Facility: Region 18 - Old Lyme High School Contact: Tim Costa Facility ID: 105-021
Town: Old Lyme Phone #: (888) 377-7678 Permit #: UI0000393

Discharge Serial No.: 301-A

Monitoring Location : W - downgradient Groundwater Monitoring Well No.: MW2

Parameter	Units	Feb	May	Aug	Nov
Coliform, Fecal	col/100 ml	Collapsed	Collapsed	Collapsed	
Groundwater Depth	Ft, in	Collapsed	Collapsed	Collapsed	
Nitrogen, Ammonia	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Nitrate	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Nitrite	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Total Kjeldahl	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Total	mg/l	Collapsed	Collapsed	Collapsed	
рН	S.U.	Collapsed	Collapsed	Collapsed	
Phosphorus, Total Dissolved	mg/l	Collapsed	Collapsed	Collapsed	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: Robert Wittenzellner Signature: Connecticut

Title: Water & Wastewater Manager Date: 9/15/2022

#### TABLE G

#### **Groundwater Monitoring Report**

Year: 2022

Facility: Region 18 - Old Lyme High School Contact: Tim Costa Facility ID: 105-021
Town: Old Lyme Phone #: (888) 377-7678 Permit #: UI0000393

Discharge Serial No.: 301-A

Monitoring Location : W - downgradient Groundwater Monitoring Well No.: MW1

Parameter	Units	Feb	May	Aug	Nov
Coliform, Fecal	col/100 ml	Collapsed	Collapsed	Collapsed	
Groundwater Depth	Ft, in	Collapsed	Collapsed	Collapsed	
Nitrogen, Ammonia	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Nitrate	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Nitrite	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Total Kjeldahl	mg/l	Collapsed	Collapsed	Collapsed	
Nitrogen, Total	mg/l	Collapsed	Collapsed	Collapsed	
рН	S.U.	Collapsed	Collapsed	Collapsed	
Phosphorus, Total Dissolved	mg/l	Collapsed	Collapsed	Collapsed	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: Robert Wittenzellner Signature: Connecticut

Title: Water & Wastewater Manager Date: 9/15/2022



Tuesday, August 09, 2022

Attn: Andrew Donnelly White Water, Inc. 253B Worcester Road Charlton, MA 01507

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

**SDG ID:** GCL97110

Sample ID#s: CL97110 - CL97111

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Sample Id Cross Reference

August 09, 2022

SDG I.D.: GCL97110

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client Id	Lab Id	Matrix
INFLUENT	CL97110	WASTE WATER
PROCESS TANK (MLSS)	CL97111	WASTE WATER



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 09, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/03/229:35Location Code:WHITEWAT-WWReceived by:SW08/03/2215:35

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCL97110

Phoenix ID: CL97110

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client ID: INFLUENT

RL/ Parameter Result **PQL** Units Dilution Date/Time Βv Reference Nitrogen Tot Kjeldahl 70.0 2.00 mg/L 20 08/06/22 KDB E351.1

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 09, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 09, 2022

FOR: Attn: Andrew Donnelly White Water, Inc.

253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/03/229:40Location Code:WHITEWAT-WWReceived by:SW08/03/2215:35

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCL97110
Phoenix ID: CL97111

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client ID: PROCESS TANK (MLSS)

RL/ Parameter Result **PQL** Units Dilution Date/Time Βv Reference Alkalinity-CaCO3 710 100 mg/L 5 08/05/22 SM2320B-11 **Total Suspended Solids** 14000 mg/L 20 08/05/22 NR/QH SM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

August 09, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### QA/QC Report

August 09, 2022

#### QA/QC Data

SDG I.D.: GCL97110

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 636246 (mg/L	.), QC Samp	ole No:	CL93925	(CL971	11)								
Alkalinity-CaCO3	BRL	20	590	600	1.70	100						85 - 115	20
QA/QC Batch 636192 (mg/L	.), QC Samp	ole No:	CL97586	(CL971	11)								
Total Suspended Solids	BRL	2.5	9.3	8.7	NC	103						85 - 115	20
QA/QC Batch 636183 (mg/L	.), QC Samp	ole No:	CL95887	(CL971	10)								
Nitrogen Tot Kjeldahl	BRL	0.10	1.86	1.87	0.50	96.3			102			85 - 115	20
Comment:													
TKN is reported as Organic Ni	itrogen in the	Blank, I	CS, DUP	and MS.									
Additional criteria: LCS accept	tance range f	or water	s is 85-115	5% and fo	r soils is	75-125	%. MS ad	cceptano	ce range	is 75-12	25%.		

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 09, 2022

Tuesday, August 09, 2022

# Sample Criteria Exceedances Report GCL97110 - WHITEWAT-WW

Criteria: None State: CT

State: C1

RL Analysis
SampNo Acode Phoenix Analyte Criteria Result RL Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

<sup>\*\*\*</sup> No Data to Display \*\*\*



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### **Analysis Comments**

August 09, 2022 SDG I.D.: GCL97110

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Coolant:	Cooler: IPK 🗖	Yes C	No No
ТетрЭ . <b>Ц</b> ° С	Pg	of	
Data Delivery: Fax #:			



#### **CHAIN OF CUSTODY RECORD**

	IENIA Sental Laboratories		East N Email:	servic	e@pl	noeni	xlabs	s.com	F		60) 64	5-082		)				_	Fax #: Email:		notes	belov	<u>v</u>					
	White Water Inc 253B Worcester Road Charlton, MA 01507	,			-	Proje Repo Invoic	ct: _	Old L	yme Indy [	Regio Donn	onal #				t (Sh	ort We	<u>ek)</u>	Pł	PO# Phone #: Fax #:									
Sampler's Signature  Matrix Code: DW=drinking wate GW=groundwater	Client Sample - Information  WW=wastewater S=soil/ SL=sludge A=air		Date $\mathcal{F}_{-}$	3-22	. 4	Analy: Requi	sis est								7///			Silver Silver	- Seguina		ine i		diedio.	e la		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Str. Lie	
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	/<			5/	/	_	_	_	_		_	<u> </u>	1/3/3/	201/ 201/ 201/	1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	9 4 V	Sire S	Prige			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	20 A	Sori Milio	
97110	Influent	ww	8-3-22	9:35	х														$\downarrow$				1					
97111	Process Tank (MLSS)	ww	1	9:40		х	X												$\perp$	1							_	
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Comments, Special								1		Othe	r						_		_									
LOGIN - USE TEMP								* 5	Surcha	arge A	pplies	 S	f (	Email r adonne witten: ljones( paiva(	elly@ı zeline @rhw	rhwh r@rl vhite.	hwhit .com		m									



Saturday, August 20, 2022

Attn: Andrew Donnelly White Water, Inc. 253B Worcester Road Charlton, MA 01507

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

**SDG ID: GCM01734** 

Sample ID#s: CM01734 - CM01737

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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Sincerely yours,

Phyllis/Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Sample Id Cross Reference

August 20, 2022

SDG I.D.: GCM01734

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

Client Id	Lab Id	Matrix
INFLUENT	CM01734	WASTE WATER
EFFLUENT	CM01735	WASTE WATER
PROCESS TANK (MLSS)	CM01736	WASTE WATER
EFFLUENT FECAL	CM01737	WASTE WATER



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 20, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/10/227:25

\_aboratory Data

Location Code: WHITEWAT-WW Received by: MMN 08/10/22

Rush Request: Standard Analyzed by: see "By" below

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

Client ID: INFLUENT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
B.O.D./5 day	38	11	mg/L	10	08/10/22 15:25	GS/DT	SM 5210B-16
B.O.D./5 day End Incubation					08/15/22 17:11	GS/DT	SM 5210B-16
Nitrogen Tot Kjeldahl	60.7	1.00	mg/L	10	08/13/22	KDB	E351.1
Total Suspended Solids	38	10	mg/L	2	08/11/22	NR/AE	SM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

P.O.#:

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Phyllis Shiller, Laboratory Director

August 20, 2022

Reviewed and Released by: Anil Makol, Project Manager

15:25

SDG ID: GCM01734 Phoenix ID: CM01734



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### **Analysis Report**

August 20, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/10/227:40Location Code:WHITEWAT-WWReceived by:MMN08/10/2215:25

Rush Request: Standard Analyzed by: see "By" below

Laburatury

Laboratory Data

SDG ID: GCM01734
Phoenix ID: CM01735

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

Client ID: EFFLUENT

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Alkalinity-CaCO3	274	20.0	mg/L	1	08/11/22	MW/EG	S SM2320B-11
B.O.D./5 day	< 4.0	4.0	mg/L	2	08/10/22 15:25	GS/DT	SM 5210B-16
B.O.D./5 day End Incubation					08/15/22 17:11	GS/DT	SM 5210B-16
Ammonia as Nitrogen	0.07	0.05	mg/L	1	08/12/22	KDB	E350.1
Nitrite-N	< 0.010	0.010	mg/L	1	08/10/22 21:22	ER	E353.2
Nitrate-N	0.50	0.02	mg/L	1	08/10/22 21:22	ER	E353.2
Nitrogen Tot Kjeldahl	0.84	0.10	mg/L	1	08/12/22	KDB	E351.1
Total Organic Carbon	6.7	1.0	mg/L	1	08/18/22	EG	SM5310B-11
Total Nitrogen	1.34	0.10	mg/L	1	08/12/22	KDB	SM4500NH3/E300.0-11
Phosphorus, as P	0.500	0.010	mg/L	1	08/12/22	MI	SM4500PE-11
Total Suspended Solids	6.0	3.3	mg/L	0.7	08/11/22	AE	SM2540D-15

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Phyllis Shiller, Laboratory Director

August 20, 2022



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**Analysis Report** 

August 20, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/10/227:30Location Code:WHITEWAT-WWReceived by:MMN08/10/2215:25

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCM01734

Phoenix ID: CM01736

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

Client ID: PROCESS TANK (MLSS)

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Alkalinity-CaCO3	840	200	mg/L	10	08/15/22	JR	SM2320B-11

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 20, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 20, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/10/2210:00Location Code:WHITEWAT-WWReceived by:MMN08/10/2215:25

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

<u>Laboratory Data</u> SDG ID: GCM01734

Phoenix ID: CM01737

Project ID: OLD LYME REGIONAL #18 SCHOOL (LONG)

Client ID: EFFLUENT FECAL

RL/

Parameter Result PQL Units Dilution Date/Time By Reference
Fecal Coliforms MPN <2 2 MPN/100 mls 2 08/10/22 17:40 LJ/LJ Colilert-18

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 20, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

August 20, 2022

### QA/QC Data

SDG I.D.: GCM01734

-												%	%
Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	Rec Limits	RPD Limits
QA/QC Batch 638254 (mg/L), Q	C Samp	ole No: (	CM01395	(CM01	735)								
Total Organic Carbon Comment:	BRL	1.0	15.7	15.3	2.60	107			99.0			85 - 115	20
Additional criteria matrix spike acce	eptance	range is	75-125%.										
QA/QC Batch 637029 (mg/L), Q	C Samp	ole No: (	CM01444	(CM01	735)								
Total Suspended Solids	BRL	2.5	<3.3	<3.3	NC	92.0						85 - 115	20
QA/QC Batch 637061 (mg/L), Q	C Samp	ole No: (	CM01629	(CM01	735)								
Alkalinity-CaCO3	BRL	5.00	61	61	NC	102						85 - 115	20
QA/QC Batch 636928 (mg/L), Q	C Samp	ole No: (	CM01657	(CM01	734, CN	101735	)						
B.O.D./5 day	BRL	2.0	<4.0	<4.0	NC	113			101			70 - 130	20
B.O.D./5 day GGA BOD						107						84 - 115	20
QA/QC Batch 637491 (mg/L), Q				•	•								
Alkalinity-CaCO3	BRL	20	840	820	2.40	102						85 - 115	20
QA/QC Batch 637307 (mg/L), Q													
Phosphorus, as P Comment:	BRL	0.01	4.31	4.22	2.10	104			98.3			85 - 115	20
Additional criteria matrix spike acce	eptance	range is	75-125%.										
QA/QC Batch 637020 (mg/L), Q	C Samp	ole No: (	CM01812	(CM01	734)								
Total Suspended Solids	BRL	2.5	17	16	NC	100						85 - 115	20
QA/QC Batch 636989 (mg/L), Q	C Samp	ole No: (	CM01579	(CM01	735)								
Nitrate-N	BRL	0.02	< 0.02	< 0.02	NC	101			98.2			90 - 110	20
Nitrite-N	BRL	0.01	0.024	0.02	NC	98.8			102			90 - 110	20
QA/QC Batch 637226 (mg/L), Q													
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	1.18	1.25	5.80	98.0			97.1			85 - 115	20
TKN is reported as Organic Nitroge	en in the	Blank, L	CS, DUP	and MS.									
Additional criteria: LCS acceptance	e range f	or waters	s is 85-115	5% and fo	r soils is	75-1259	%. MS ac	ceptanc	e range	is 75-12	5%.		
QA/QC Batch 637137 (mg/L), Q	C Samp	ole No: (	CM01116	(CM01	735)								
Ammonia as Nitrogen	BRL	0.05	10.3	10.4	1.00	98.1			99.5			90 - 110	20
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	12.0	12.17	1.40	94.0			100			85 - 115	20
TKN is reported as Organic Nitroge	en in the	Blank, L	CS, DUP	and MS.									

#### QA/QC Data

SDG I.D.: GCM01734

% RPD Blk Sample Dup Dup LCS LCSD LCS MS MSD MS Rec Blank RL Result Result RPD % % RPD % % RPD Limits Limits Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 20, 2022

Saturday, August 20, 2022

# Sample Criteria Exceedances Report GCM01734 - WHITEWAT-WW

Criteria: None State: CT

RL Analysis SampNo Acode Phoenix Analyte Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

<sup>\*\*\*</sup> No Data to Display \*\*\*



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



### **Analysis Comments**

August 20, 2022 SDG I.D.: GCM01734

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

<b>PHOENIX</b>	
Environmental Laboratories.	Inc.

РНО	<b>DENIX</b>		East	Middle	e Turr	npike,	P.O.	Box :	370, N	/lanch	ester	, ст	06040	)			Data Delivery:										
Environm	ental Laboratories,	Inc.		t	-mail:					s.com <b>(86</b>		ax (8) <b>345-</b>	•		23					x	Email	: <u>see</u>	notes	s belov	<u>N</u>		
Customer:	White Water Inc					Proje	ect:	Old L	_yme	Regio	nal#	18 Sc	hool	Distri	ct (Lo	ng W	eek)		PO#								
Address:	253B Worcester Road				_	Repo	ort to:		Andy	Donn	elly								Phon	ne #:	_						
	Charlton, MA 01507				_	Invoi	ce to:	A	Andy I	Donne	elly						_		Fax #	<b>#</b> :							
Sampler's Signature	Client Sample - Information	- Identific		10-22		Analy Requ		/	//		7	//	7	7									A Selfe	·//	1139	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Matrix Code: DW=drinking wate GW=groundwater	er <b>WW</b> =wastewater S=soil/s SL=sludge <b>A</b> =air	solid <b>O</b> =o	ther			/	//	//	//	//	//				Sario	S S S S S S S S S S S S S S S S S S S	//			ids .	rightan	ori/	regul,	Sour Sour			Stril Trio
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	/	/s/x	/ 5/ \		ing's	ANTINE A	<u> </u>	did X	5/ 5/<	210 X		Mainin	/ S	Gallor Gallor	30/3	2011/2	1 5 V	Prilos	(\$)       	/30/ <u>                                     </u>		78 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Sori Trio
01734	Influent	ww	8-10-22	7:25	х	_ x_				x												1	1				
01735	Effluent	ww	1	7.40	x	x	х	х	x	x	х	X	Х	х	х						1	1	1			1	
01736	Process Tank (MLSS)	ww		7:30											х					1		_					
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	Requirements or Regulations:	Accept	P.		3/1	22		15	ime:		* 5		arou 1 Da 2 Da 3 Da Stan Othe	y* nys* ys* dard	es	INFL EFFI	D TES UENT LUEN ED LIC Emai adon rwitte djone cpaiv	T: pH  T: pH  I resunelly  nzelles@rl	74 7.2 8.4 ults to @rhw ner@nwhit	Alke Alke Alke O: white.com	240 246 com ite.co	_NO3 _NO3	0.6	<u>5</u> nh		_TP_ <b>O</b> TP_ _TP_	1.4
OGIN - USE TEM	PLATE WWOL1										1					1											

Cooler: Yes No Coolant: IPK ICE No



Tuesday, August 23, 2022

Attn: Andrew Donnelly White Water, Inc. 253B Worcester Road Charlton, MA 01507

Project ID: OLD LYME REGIONAL #18 SCH DIST SHORT WK

**SDG ID: GCM07540** 

Sample ID#s: CM07540 - CM07541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Sample Id Cross Reference

August 23, 2022

SDG I.D.: GCM07540

Project ID: OLD LYME REGIONAL #18 SCH DIST SHORT WK

Client Id	Lab Id	Matrix
INFLUENT	CM07540	WASTE WATER
PROCESS TANK (MLSS)	CM07541	WASTE WATER



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 23, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/17/226:20Location Code:WHITEWAT-WWReceived by:CP08/17/2215:47

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCM07540

Phoenix ID: CM07540

Project ID: OLD LYME REGIONAL #18 SCH DIST SHORT WK

Client ID: INFLUENT

RL/ Parameter Result **PQL** Units Dilution Date/Time Βv Reference Nitrogen Tot Kjeldahl 58.0 2.00 mg/L 20 08/20/22 EG E351.1

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 23, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 23, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/17/226:15Location Code:WHITEWAT-WWReceived by:CP08/17/2215:47

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCM07540

Phoenix ID: CM07541

Project ID: OLD LYME REGIONAL #18 SCH DIST SHORT WK

Client ID: PROCESS TANK (MLSS)

RL/ Parameter Result **PQL** Units Dilution Date/Time By Reference Alkalinity-CaCO3 940 200 mg/L 10 08/19/22 JR SM2320B-11 **Total Suspended Solids** 15000 mg/L 20 08/18/22 SM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

August 23, 2022



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### QA/QC Report

August 23, 2022

#### QA/QC Data

SDG I.D.: GCM07540

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 638297 (mg/L), Q	C Samp	ole No:	CM06014	(CM075	541)								
Alkalinity-CaCO3	BRL	20	660	670	1.50	102						85 - 115	20
QA/QC Batch 638077 (mg/L), Q	C Samp	ole No:	CM07366	(CM075	541)								
Total Suspended Solids	BRL	2.5	<3.3	<3.3	NC	103						85 - 115	20
QA/QC Batch 638360 (mg/L), Q	C Samp	ole No:	CM07551	(CM075	540)								
Nitrogen Tot Kjeldahl	BRL	0.10	2.52	2.58	2.40	94.5			95.5			85 - 115	20
Comment:													
TKN is reported as Organic Nitrog	en in the	Blank, L	.CS, DUP a	and MS.									

Additional criteria: LCS acceptance range for waters is 85-115% and for soils is 75-125%. MS acceptance range is 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 23, 2022

Tuesday, August 23, 2022

# Sample Criteria Exceedances Report GCM07540 - WHITEWAT-WW

Criteria: None State: CT

RL Analysis
SampNo Acode Phoenix Analyte Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

<sup>\*\*\*</sup> No Data to Display \*\*\*



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



### **Analysis Comments**

August 23, 2022 SDG I.D.: GCM07540

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

PHOENIX Environmental Laboratories, Inc.
Customer: White Water Inc

Coolant: IPK ICE No

DI I/	CHAIN OF S87 East Middle Turnpik											TODY RECORD								Temp 2;2°C Pg of <u>Data Delivery:</u>							
PH	JE/VIX 🖓				East l Email:									, CT ( 15-082		)					Fax #	t:					
Environm	ental Laboratories	, Inc.						Servi					-							X	Email	: see	notes	belov	<u>v</u>		
Customer:	White Water Inc				-	Proje	ect:	Old L	_yme	Regio	onal #	18 Sc	hool I	Distric	t (Sh	ort W	eek)		PO#								
Address:	253B Worcester Road				-	Repo	ort to:		Andy i	Donn	elly								Phor	ne #:							
	Charlton, MA 01507				-	Invoi	ce to:	A	andy [	Donne	elly								Fax	#:							
	Chient Sample - Information	- Identific	ation								/	/,	/,	/,	/	/,	/,	/,			/,	/	Jita	٠/	/,	/,	/ /
Sampler's Signature			Date 🎖	-17-22		Analy Requ		/	//			//	//	//	/	//	/	//	/			39	A disulta	//	11/3	6, 10 (+)	
Matrix Code: DW=drinking wate GW=groundwater	r <b>WW</b> =wastewater <b>S</b> =soil/ <b>SL</b> =sludge <b>A</b> =air	solid <b>O</b> =o	ther			/	/		//	//	//	//	//	//	//	//	//	Silor	Cipera		Parisinal Control of the Control of	ori/	Significant of the second of t	150ri	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Spri Arrico
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	/	12 P	Mair	3	_	/	/	_	_	<u>/</u>	/	_	<u>/\'\</u>	Callor		50)/ 2)/ Q	A CO	Prilipe	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	XX 2	1 3 S	Soria Milio
07540	Influent	ww	8-17-22	6:20	х																		1				
07541	Process Tank (MLSS)	ww	1	6:15		х	Х													1							
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LOGIN - USE TEM	PLATE WWOL2																										



Thursday, September 01, 2022

Attn: Andrew Donnelly White Water, Inc. 253B Worcester Road Charlton, MA 01507

Project ID: OLD LYME REGIONAL #18 SCH DIST LONG WEEK

**SDG ID: GCM13000** 

Sample ID#s: CM13000 - CM13002

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

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Sincerely yours,

Phyllis/Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

### Sample Id Cross Reference

September 01, 2022

SDG I.D.: GCM13000

Project ID: OLD LYME REGIONAL #18 SCH DIST LONG WEEK

Client Id	Lab Id	Matrix
INFLUENT	CM13000	WASTE WATER
EFFLUENT	CM13001	WASTE WATER
PROCESS TANK (MLSS)	CM13002	WASTE WATER



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Fax (860) 645-0823 Tel. (860) 645-1102

**Analysis Report** 

September 01, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample Information **Custody Information Date** <u>Time</u> 08/24/22 WASTE WATER Collected by: 10:30 Matrix: WHITEWAT-WW Received by: CP 08/24/22

Standard

Rush Request: Analyzed by: see "By" below

> \_aboratory Data SDG ID: GCM13000

Phoenix ID: CM13000

15:32

OLD LYME REGIONAL #18 SCH DIST LONG WEEK Project ID:

Client ID: **INFLUENT** 

Location Code:

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time By Reference
B.O.D./5 day	65	13	mg/L	10	08/24/22 15:32 GS/DT SM 5210B-16
B.O.D./5 day End Incubation					08/29/22 16:49 GS/DT SM 5210B-16
Nitrogen Tot Kjeldahl	67.4	1.00	mg/L	10	08/26/22 KDB E351.1
Total Suspended Solids	58	10	mg/L	2	08/26/22 DK/AE/QHSM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 01, 2022

Reviewed and Released by: Anil Makol, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

## **Analysis Report**

September 01, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/24/2210:40Location Code:WHITEWAT-WWReceived by:CP08/24/2215:32

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u>

SDG ID: GCM13000

Phoenix ID: CM13001

Project ID: OLD LYME REGIONAL #18 SCH DIST LONG WEEK

Client ID: EFFLUENT

P.O.#:

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Fecal Coliforms MPN	34	2	MPN/100 mls	2	08/24/22 16:55	LJ/LJ	Colilert-18
Alkalinity-CaCO3	274	20.0	mg/L	1	08/25/22 R/	/M/M/K	SM2320B-11
B.O.D./5 day	< 4.0	4.0	mg/L	2	08/24/22 15:32	GS/DT	SM 5210B-16
B.O.D./5 day End Incubation					08/29/22 16:49	GS/DT	SM 5210B-16
Ammonia as Nitrogen	< 0.05	0.05	mg/L	1	08/26/22	KDB	E350.1
Nitrite-N	< 0.010	0.010	mg/L	1	08/24/22 21:27	ER	E353.2
Nitrate-N	1.53	0.02	mg/L	1	08/24/22 21:27	ER	E353.2
Nitrogen Tot Kjeldahl	1.19	0.10	mg/L	1	08/26/22	KDB	E351.1
Total Organic Carbon	8.0	1.0	mg/L	1	08/25/22	EG	SM5310B-14
Total Nitrogen	2.72	0.10	mg/L	1	08/26/22	KDB	SM4500NH3/E300.0-11
Phosphorus, as P	0.341	0.010	mg/L	1	08/25/22	JR	SM4500PE-11
Total Suspended Solids	6.7	3.3	mg/L	0.7	08/26/22	DK/AE	SM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 01, 2022

Reviewed and Released by: Anil Makol, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 01, 2022

FOR: Attn: Andrew Donnelly White Water, Inc.

253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/24/2210:45Location Code:WHITEWAT-WWReceived by:CP08/24/2215:32

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

<u>Laboratory Data</u> SDG ID: GCM13000

Phoenix ID: CM13002

Project ID: OLD LYME REGIONAL #18 SCH DIST LONG WEEK

Client ID: PROCESS TANK (MLSS)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	Ву	Reference
Alkalinity-CaCO3	720	100	mg/L	5	08/26/22	JR	SM2320B-11
Total Suspended Solids	17000	100	mg/L	20	08/26/22	DK/AE	SM2540D-15

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 01, 2022

Reviewed and Released by: Anil Makol, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

September 01, 2022

## QA/QC Data

SDG I.D.: GCM13000

												%	%
Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	Rec Limits	RPD Limits
QA/QC Batch 639170 (mg/L), Q	C Samp	ole No: (	CM06362	(CM130	001)								
Phosphorus, as P Comment:	BRL	0.01	4.48	4.41	1.60	104			91.5			85 - 115	20
Additional criteria matrix spike acco	eptance	range is	75-125%.										
QA/QC Batch 639440 (mg/L), Q	C Samp	ole No: (	CM11904	(CM130	002)								
Alkalinity-CaCO3	BRL	20	680	690	1.50	100						85 - 115	20
QA/QC Batch 639181 (mg/L), Q	C Samp	ole No: (	CM12850	(CM130	001)								
Alkalinity-CaCO3	BRL	5.00	23	20	NC	95.7						85 - 115	20
QA/QC Batch 639024 (mg/L), Q	C Samp			•		113001)	)						
B.O.D./5 day	BRL	2.0	<4.0	<4.0	NC	107			108			70 - 130	20
B.O.D./5 day GGA BOD						101						84 - 115	20
QA/QC Batch 639408 (mg/L), Q				•		•	)						
Total Suspended Solids	BRL	2.5	6.7	8.0	NC	101						85 - 115	20
QA/QC Batch 639394 (mg/L), Q				•									
Total Suspended Solids	BRL	2.5	27	27	0	106						85 - 115	20
QA/QC Batch 639384 (mg/L), Q				•									
Total Organic Carbon Comment:	BRL	1.0	3.7	3.7	NC	97.0			94.0			85 - 115	20
Additional criteria matrix spike acco	eptance	range is	75-125%.										
QA/QC Batch 639136 (mg/L), Q	C Samp	ole No: (	CM13174	(CM130	001)								
Nitrate-N	BRL	0.02	0.14	0.14	0	103			98.7			90 - 110	20
Nitrite-N	BRL	0.01	<0.010	<0.01	NC	98.0			102			90 - 110	20
QA/QC Batch 639167 (mg/L), Q	C Samp	ole No: (	CM12372	(CM130	000)								
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	0.61	0.58	5.00	102			102			85 - 115	20
TKN is reported as Organic Nitroge	en in the	Blank, L	CS, DUP	and MS.									
Additional criteria: LCS acceptance	e range f	or waters	s is 85-115	5% and fo	r soils is	75-125%	%. MS ac	ceptano	e range	is 75-12	5%.		
QA/QC Batch 639272 (mg/L), Q	C Samp	ole No: (	CM13001	(CM130	001)								
Ammonia as Nitrogen	BRL	0.05	< 0.05	< 0.05	NC	97.1			100			90 - 110	20
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	1.19	1.15	3.40	99.5			98.0			85 - 115	20
TKN is reported as Organic Nitroge	en in the	Blank, L	CS, DUP	and MS.									

## QA/QC Data

SDG I.D.: GCM13000

% RPD Blk Sample Dup Dup LCS LCSD LCS MS MSD MS Rec Blank RL Result Result RPD % % RPD % % RPD Limits Limits Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

September 01, 2022

Thursday, September 01, 2022

# Sample Criteria Exceedances Report GCM13000 - WHITEWAT-WW

Criteria: None State: CT

RL Analysis SampNo Acode Phoenix Analyte Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

<sup>\*\*\*</sup> No Data to Display \*\*\*



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **Analysis Comments**

September 01, 2022 SDG I.D.: GCM13000

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

<b>PHOENIX</b>	
Environmental Laboratories. Inc.	

#### **CHAIN OF CUSTODY RECORD**

Cooler: Yes No Coolant: IPK NICE NO

Temp2.5°C

PHO	<b>DENIX</b>		'East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: service@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726												Data Delivery: Fax #: X Email: see notes below													
Environm	ental Laboratories	, Inc.				Clie	nt S	ervi	ices	(86	iO) (	645-	B726	} 														
Customer:	White Water Inc	·			-	Proje	ct:	Old L	.yme	Regio	onal#	18 Sc	hool	Distric	ct (Lc	ng W	eek)		PO#									
Address:	253B Worcester Road				_	Repo	rt to:		ndy I	Donn	elly								Phone #:									
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Friday, September 02, 2022

Attn: Andrew Donnelly White Water, Inc. 253B Worcester Road Charlton, MA 01507

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

**SDG ID: GCM19438** 

Sample ID#s: CM19438 - CM19439

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis/Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



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# Sample Id Cross Reference

September 02, 2022

SDG I.D.: GCM19438

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client Id	Lab Id	Matrix
INFLUENT	CM19438	WASTE WATER
PROCESS TANK (MLSS)	CM19439	WASTE WATER



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 02, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/31/227:40Location Code:WHITEWAT-WWReceived by:SW08/31/2215:35

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCM19438

Phoenix ID: CM19438

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client ID: INFLUENT

RL/ Parameter Result **PQL** Units Dilution Date/Time Βv Reference Nitrogen Tot Kjeldahl 120 2.00 mg/L 20 09/02/22 KDB E351.1

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 02, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 02, 2022

FOR: Attn: Andrew Donnelly

White Water, Inc. 253B Worcester Road Charlton, MA 01507

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/31/227:45Location Code:WHITEWAT-WWReceived by:SW08/31/2215:35

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GCM19438

Phoenix ID: CM19439

Project ID: OLD LYME REGIONAL #18 SCHOOL DISTRICT

Client ID: PROCESS TANK (MLSS)

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Alkalinity-CaCO3	650	100	mg/L	5	09/01/22	JR	SM2320B-11

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

September 02, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

September 02, 2022

### QA/QC Data

SDG I.D.: GCM19438

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 640228 (mg/	/L), QC Sampl	le No:	CM19439	(CM19	439)								
Alkalinity-CaCO3	BRL	20	650	650	0	102						85 - 115	20
QA/QC Batch 640291 (mg/	L), QC Sampl	le No:	CM19170	(CM194	438)								
Nitrogen Tot Kjeldahl	BRL	0.10	0.86	0.88	2.30	98.8			97.4			85 - 115	20
Comment:													
TKN is reported as Organic I	Nitrogon in the F	Dlank I	CS DIID	and MS									

TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.

Additional criteria: LCS acceptance range for waters is 85-115% and for soils is 75-125%. MS acceptance range is 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

September 02, 2022

Friday, September 02, 2022

# Sample Criteria Exceedances Report GCM19438 - WHITEWAT-WW

Criteria: None State: CT

RL Analysis SampNo Acode Phoenix Analyte Criteria Result RL Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

<sup>\*\*\*</sup> No Data to Display \*\*\*



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# **Analysis Comments**

September 02, 2022 SDG I.D.: GCM19438

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

<b>PHOENIX</b>
Environmental Laboratories, Inc.

### **CHAIN OF CUSTODY RECORD**

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Address:	253B Worcester Road				-			Α										-	Phor								_	
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