



Thursday, July 11, 2019

Attn: Mr. Bill Beauregard  
Westerly Water Department  
68 White Rock Road  
Westerly, RI 02891

Project ID:  
SDG ID: GCD52580  
Sample ID#s: CD52580 - CD52582

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,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

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  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



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

## Sample Id Cross Reference

July 11, 2019

SDG I.D.: GCD52580

Project ID:

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Client Id	Lab Id	Matrix
398 LIBERTY ST.	CD52580	DRINKING WATER
87 WEST BROAD ST.	CD52581	DRINKING WATER
197 MECHANIC ST.	CD52582	DRINKING WATER



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# Analysis Report

July 11, 2019

FOR: Attn: Mr. Bill Beauregard  
 Westerly Water Department  
 68 White Rock Road  
 Westerly, RI 02891

Sample Information

Matrix: DRINKING WATER  
 Location Code: WESTERLY  
 Rush Request: Standard  
 P.O.#: 20190404-00

Custody Information

Collected by: PHOENIX  
 Received by: LB  
 Analyzed by: see "By" below

Date

07/09/19  
 07/09/19

Time

13:10  
 15:16

## Laboratory Data

SDG ID: GCD52580  
 Phoenix ID: CD52580

Project ID:  
 Client ID: 398 LIBERTY ST.

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Escherichia Coli	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-97
Total Coliforms	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-04
Color, Apparent	< 1	1	1	Color Units			15	07/09/19 19:06	O	SM2120B-11
Odor at Room Temperature	< 1	1	1	T.O.N.			3	07/09/19 19:08	O	SM2150B-97
Turbidity	< 0.20	0.20	1	NTU			5	07/09/19 19:20	RWR	SM2130B-11
Chlorine Residual	0.92	0.01	1	mg/L		4		07/09/19 13:10	*	SM4500Cl-G-00
pH	7.4	1.00	1	pH Units			6.5-8.5	07/09/19	*	FIELD

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected  
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)  
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level (MCL): 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

The chlorine result is provided by the client on the chain of custody.

The pH result is provided by the client on the chain of custody.

Bacteria Analysis Comment: This sample was treated for chlorine at time of sample collection with sodium thiosulfate.

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**

**July 11, 2019**

**Reviewed and Released by: Rashmi Makol, Project Manager**



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# Analysis Report

July 11, 2019

FOR: Attn: Mr. Bill Beauregard  
 Westerly Water Department  
 68 White Rock Road  
 Westerly, RI 02891

Sample Information

Matrix: DRINKING WATER  
 Location Code: WESTERLY  
 Rush Request: Standard  
 P.O.#: 20190404-00

Custody Information

Collected by: PHOENIX  
 Received by: LB  
 Analyzed by: see "By" below

Date

07/09/19  
 07/09/19

Time

12:42  
 15:16

## Laboratory Data

SDG ID: GCD52580  
 Phoenix ID: CD52581

Project ID:  
 Client ID: 87 WEST BROAD ST.

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Escherichia Coli	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-97
Total Coliforms	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-04
Color, Apparent	< 1	1	1	Color Units			15	07/09/19 19:06	O	SM2120B-11
Odor at Room Temperature	< 1	1	1	T.O.N.			3	07/09/19 19:08	O	SM2150B-97
Turbidity	< 0.20	0.20	1	NTU			5	07/09/19 19:20	RWR	SM2130B-11
Chlorine Residual	0.82	0.01	1	mg/L		4		07/09/19 12:42	*	SM4500Cl-G-00
pH	7.4	1.00	1	pH Units			6.5-8.5	07/09/19	*	FIELD

Project ID:  
Client ID: 87 WEST BROAD ST.

Phoenix I.D.: CD52581

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level (MCL): 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

The chlorine result is provided by the client on the chain of custody.

The pH result is provided by the client on the chain of custody.

Bacteria Analysis Comment: This sample was treated for chlorine at time of sample collection with sodium thiosulfate.

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**

**July 11, 2019**

**Reviewed and Released by: Rashmi Makol, Project Manager**



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# Analysis Report

July 11, 2019

FOR: Attn: Mr. Bill Beauregard  
 Westerly Water Department  
 68 White Rock Road  
 Westerly, RI 02891

Sample Information

Matrix: DRINKING WATER  
 Location Code: WESTERLY  
 Rush Request: Standard  
 P.O.#: 20190404-00

Custody Information

Collected by: PHOENIX  
 Received by: LB  
 Analyzed by: see "By" below

Date

07/09/19  
 07/09/19

Time

12:18  
 15:16

## Laboratory Data

SDG ID: GCD52580  
 Phoenix ID: CD52582

Project ID:  
 Client ID: 197 MECHANIC ST.

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Escherichia Coli	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-97
Total Coliforms	Absent	0	1	/100 mls		0		07/09/19 17:25	LJ/LJ	SM9223B-04
Color, Apparent	< 1	1	1	Color Units			15	07/09/19 19:06	O	SM2120B-11
Odor at Room Temperature	< 1	1	1	T.O.N.			3	07/09/19 19:08	O	SM2150B-97
Turbidity	0.23	0.20	1	NTU			5	07/09/19 19:20	RWR	SM2130B-11
Chlorine Residual	0.21	0.01	1	mg/L		4		07/09/19 12:18	*	SM4500Cl-G-00
pH	7.4	1.00	1	pH Units			6.5-8.5	07/09/19	*	FIELD

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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**Comments:**

Maximum Contaminant Level (MCL): 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

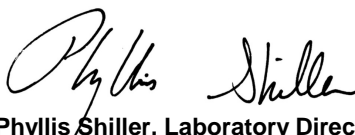
Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

The chlorine result is provided by the client on the chain of custody.

The pH result is provided by the client on the chain of custody.

Bacteria Analysis Comment: This sample was treated for chlorine at time of sample collection with sodium thiosulfate.

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**

**July 11, 2019**

**Reviewed and Released by: Rashmi Makol, Project Manager**





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# QA/QC Report

July 11, 2019

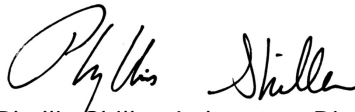
## QA/QC Data

SDG I.D.: GCD52580

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 486856 (NTU), QC Sample No: CD52384 (CD52580, CD52581, CD52582)													
Turbidity	BRL	0.20	1330	1390	4.40	110						85 - 115	20

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  
 July 11, 2019

Thursday, July 11, 2019

Criteria: RI: DW

State: RI

## Sample Criteria Exceedances Report

GCD52580 - WESTERLY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

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.



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## Analysis Comments

July 11, 2019

SDG I.D.: GCD52580

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



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-8726**

Temp 7/9/19 Pg 1 of 1  
 Data Delivery (check one):  
 Fax # \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Format:  Excel  Pdf  GIS Key

Customer: Westerly Water Department Project P.O.: \_\_\_\_\_  
 Address: 68 White Rock Road Report to: Bill Beauregard Phone #: 401-348-2561  
Westerly, RI 02891 Invoice to: Accounts Payable Fax #: \_\_\_\_\_

**Client Sample - Information - Identification**

Sampler's Signature: Ed Welch Date: 7/9/19

Matrix Code: **DW**=drinking water **WW**=wastewater **S**=soil/solid **O**=other  
**GW**=groundwater **SL**=sludge **A**=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
52580	398 Liberty St	DW	7/9	13:10
52581	87 West Broad St	DW	7/9	12:42
52582	197 Mechanic St	DW	7/9	12:18
	416 Bradford Rd.	DW		
	181 Westerly Bradford Rd	DW		
	249 Post Rd	DW		
	20 Avondale Rd	DW		
	110 Oak Street	DW		
	114 Ashaway Rd.	DW		
	8 Parkview	DW		
	68 White Rock Rd	DW		

Analysis Request	Total Coliform	Physicals	pH	Total Chlorine	Soil VOC [Methanol] [S. Bisulfate] [H2O]	40 ml VOA Vol [As Is] [X] HCl	GL Soil container ( ) oz	GL Amber 4 oz [X] [M4CL] [H2SO4]	PL As Is [X] [250ml] [1500ml]	PL H2SO4 [1250ml] [1000ml]	PL HNO3 250ml	Bacteria Bottle
	X	X	7.4	.92					1			1
	X	X	7.4	.82					1			1
	X	X	7.4	.71					1			1
	X	X							1			1
	X	X							1			1
	X	X							1			1
	X	X							1			1
	X	X							1			1
	X	X							1			1
	X	X							1			1

Relinquished by: Ed Welch Accepted by: Kristal Hall Date: 7/9/19 Time: 15:10

Comments, Special Requirements or Regulations:

**Turnaround:**  
 1 Day\*  
 2 Days\*  
 3 Days\*  
 Standard  
 Other

**Requirements for CT:**  
 Res. Criteria  
 GW Protection  
 GA Mobility  
 GB Mobility  
 SW Protection  
 Res. Vol.  
 Ind. Vol.  
 \* Surcharge Applies

**Requirements for MA:**  
 GW-1  
 GW-2  
 GW-3  
 S-1  
 S-2  
 S-3  
 MCP Certification  
 Other