


OHA - Drinking Water Services -Turbidity Monitoring Report Form

County: **Clackamas**
 Month/Year: **Mar-23**

Conventional or Direct Filtration

System Name:	City of Molalla		ID#: 41	00534			WTP : TP -	A
Day	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the Day ¹ [NTU]	
1	OFF	OFF	0.30	0.03	0.02	OFF	0.04	
2	OFF	OFF	0.03	0.05	0.03	0.03	0.07	
3	OFF	OFF	OFF	0.03	0.03	OFF	0.04	
4	OFF	OFF	0.03	0.04	0.03	0.03	0.07	
5	OFF	OFF	OFF	0.03	0.02	OFF	0.03	
6	OFF	OFF	0.04	0.03	0.03	OFF	0.07	
7	OFF	OFF	0.04	0.03	0.05	0.03	0.10	
8	OFF	OFF	0.03	0.02	OFF	OFF	0.03	
9	OFF	OFF	0.02	0.02	0.04	0.03	0.07	
10	OFF	OFF	0.03	0.02	OFF	OFF	0.06	
11	OFF	OFF	0.03	0.03	0.02	OFF	0.03	
12	OFF	OFF	0.02	0.02	0.02	OFF	0.03	
13	OFF	OFF	0.02	0.03	0.03	0.03	0.18	
14	OFF	OFF	0.03	0.02	0.05	0.03	0.06	
15	OFF	OFF	OFF	0.03	0.02	OFF	0.04	
16	OFF	OFF	0.03	0.02	OFF	0.03	0.07	
17	OFF	OFF	OFF	0.02	0.02	OFF	0.07	
18	OFF	OFF	0.02	0.02	0.02	OFF	0.05	
19	OFF	OFF	OFF	0.03	0.03	0.02	0.03	
20	OFF	OFF	0.02	0.02	0.02	OFF	0.05	
21	OFF	OFF	0.02	0.02	0.03	0.05	0.06	
22	OFF	OFF	OFF	0.04	0.03	OFF	0.06	
23	OFF	OFF	OFF	0.02	0.02	0.02	0.03	
24	OFF	OFF	OFF	0.03	0.03	OFF	0.06	
25	OFF	OFF	0.02	0.02	0.02	OFF	0.03	
26	OFF	OFF	0.02	0.04	0.03	0.03	0.06	
27	OFF	OFF	0.02	0.02	OFF	0.04	0.06	
28	OFF	OFF	OFF	0.03	0.03	OFF	0.07	
29	OFF	OFF	0.02	0.06	0.03	0.03	0.09	
30	OFF	OFF	OFF	0.02	0.04	OFF	0.08	
31	OFF	OFF	OFF	0.03	0.03	0.02	0.03	

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of 4-hour turbidity readings ≤ 0.3 NTU? Yes/No	CT's met everyday? (see back) Yes/No	All Cl2 residual at entry point ≥ 0.2 mg/l? Yes/No
All 4-hour turbidity readings ≤ 1 NTU? Yes/No		
All turbidity readings < IFE ² triggers Yes/No		

Notes:	PRINTED NAME: Andy Peters, PW Div Manager
	SIGNATURE: 
	PHONE #: (503) 829-5408 CERT #:

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - : A

System Name:	City of Molalla	ID#: 41	00534	Month/Year:	Mar-23	Disinfection <i>Giardia</i> Log Inactiv:	0.5
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Date / Time	Minimum Cl ₂ Residual at 1st User (C) ³	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? ³	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		formula	Yes / No	[GPM]
1 / 17:50	0.86	90	77.4	6.6	7.68	30.3	Yes	839
2 / 19:45	0.87	90	78.3	7.2	7.78	30.2	Yes	845
3 / 16:35	0.84	90	75.6	7.4	7.76	29.5	Yes	759
4 / 10:20	0.84	90	75.6	7.7	7.80	29.3	Yes	831
5 / 19:40	0.83	90	74.7	7.5	7.85	30.2	Yes	808
6 / 18:25	0.87	90	78.3	7.5	7.85	30.4	Yes	803
7 / 15:45	0.84	90	75.6	8.2	7.73	27.6	Yes	712
8 / 11:00	0.83	90	74.7	7.6	7.70	28.4	Yes	802
9 / 14:30	0.84	90	75.6	8.3	7.67	26.9	Yes	827
10 / 20:10	0.84	90	75.6	7.4	7.85	30.5	Yes	710
11 / 11:05	0.81	90	72.9	8.2	7.85	28.7	Yes	880
12 / 20:00	0.85	90	76.5	8.2	7.86	29.0	Yes	797
13 / 09:05	0.84	90	75.6	8.5	7.93	29.1	Yes	806
14 / 16:15	0.84	90	75.6	8.3	7.56	25.8	Yes	728
15 / 15:30	0.83	90	74.7	8.7	7.28	22.7	Yes	1004
16 / 08:05	0.85	90	76.5	8.3	7.13	22.2	Yes	1076
17 / 15:30	0.86	90	77.4	8.1	7.19	23.0	Yes	796
18 / 11:40	0.88	90	79.2	9.8	7.42	22.3	Yes	883
19 / 12:55	0.86	90	77.4	9.2	7.41	23.1	Yes	878
20 / 20:10	0.89	90	80.1	9.5	7.48	23.3	Yes	756
21 / 15:30	0.91	90	81.9	8.6	7.52	25.1	Yes	1057
22 / 11:40	0.89	90	80.1	9.8	7.66	24.3	Yes	734
23 / 17:05	0.88	90	79.2	9.4	7.57	24.2	Yes	2234
24 / 13:00	0.88	90	79.2	8.5	7.73	27.2	Yes	1068
25 / 10:50	0.88	90	79.2	8.6	7.79	27.6	Yes	821
26 / 13:15	0.87	90	78.3	8.6	7.83	28.0	Yes	990
27 / 07:30	0.88	90	79.2	8.5	7.75	27.4	Yes	673
28 / 16:00	0.91	90	81.9	9.1	7.72	26.1	Yes	900
29 / 09:15	0.91	90	81.9	9.0	7.58	25.0	Yes	910
30 / 15:50	0.87	90	78.3	8.9	7.72	26.4	Yes	785
31 / 13:55	0.85	90	76.5	8.8	7.61	25.4	Yes	741

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised October 2013



13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

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ANALYSIS REPORT

Reported: 03/08/2023
Received: 3/7/23 13:35
Temp. on Receipt: 8.6 °C
Sampled By: Jeff McCrum
Work Order: 3066024

C Molalla, City of
L Attn: Ryan Hepler
I PO Box 248
E Molalla OR, 97038
N Phone: (503) 829-5408
T

Project # : N/A

PWSID # : 4100534

Lab Number

3066024-01 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/7/23 9:45
Address: 921 Meadowlawn Pl **Res. Cl:** 0.83 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06

3066024-02 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/7/23 9:00
Address: 357 Francis St **Res. Cl:** 0.80 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06

3066024-03 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/7/23 9:15
Address: 606 Taylor Ct. **Res. Cl:** 0.86 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06

3066024-04 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/7/23 9:30
Address: 205 W. Heintz St. **Res. Cl:** 0.76 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/7/23 14:50	3/8/23 11:06

Send results to DHS-DWP P.O. Box 14350, Portland, OR 97293-0350



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Tigard, OR 97223
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ANALYSIS REPORT

Reported: 03/08/2023
Received: 3/7/23 13:35
Temp. on Receipt: 8.6 °C
Sampled By: Jeff McCrum
Work Order: 3066024
-

C **Molalla, City of**
L Attn: Ryan Hepler
I PO Box 248
E Molalla OR, 97038
N Phone: (503) 829-5408
T


Project # : N/A

PWSID # : 4100534

Lab Number

A = All procedures for this analysis are accredited in accordance with NELAP standards. Lab Accreditation No. OR-100013

Approved by: _____


Vandana Gade
Microbiology Technical Director



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13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 03/15/2023
Received: 3/14/23 13:40
Temp. on Receipt: 9.8 °C
Sampled By: Jeff McCrum
Work Order: 3073044

C Molalla, City of
L Attn: Ryan Hepler
I PO Box 248
E Molalla OR, 97038
N Phone: (503) 829-5408
T

Project # : N/A

PWSID # : 4100534

Lab Number

3073044-01 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/14/23 9:00
Address: 357 Francis St **Res. Cl:** 1.03 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00

3073044-02 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/14/23 9:15
Address: 205 W. Heintz Rd **Res. Cl:** 0.97 mg/L
Sample Type: Routine


	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00

3073044-03 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/14/23 9:35
Address: 921 Meadowlawn Pl. **Res. Cl:** 0.94 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/14/23 15:17	3/15/23 11:00

Send results to **DHS-DWP P.O. Box 14350, Portland, OR 97293-0350**

A = All procedures for this analysis are accredited in accordance with NELAP standards. Lab Accreditation No. OR-100013

Approved by: 
Vandana Gade
Microbiology Technical Director



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Tigard, OR 97223
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ANALYSIS REPORT

Reported: 03/22/2023
Received: 3/21/23 14:25
Temp. on Receipt: 8.2 °C
Sampled By: Jeff McCrum
Work Order: 3080027

C Molalla, City of
L Attn: Jeff McCrum
I PO Box 248
E Molalla OR, 97038
N Phone: 503-829-5408
T

Project # : N/A

PWSID # : 4100534

Lab Number

3080027-01 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/21/23 9:35
Address: 357 Francis St **Res. Cl:** 0.88 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58

3080027-02 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/21/23 9:20
Address: 606 Taylor Ct. **Res. Cl:** 0.93 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58

3080027-03 **Sampled At:** Sample Station **Sample Matrix:** Drinking Water **Sampled:** 3/21/23 9:45
Address: 205 W. Heintz St. **Res. Cl:** 0.84 mg/L
Sample Type: Routine

	Method	Result	Analysis Begun / Ended	
Microbiological Analysis				
A Total Coliforms	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58
A E. coli	SM 9223B (colilert-18) 21st Ed.	Absent	3/21/23 15:31	3/22/23 10:58

Send results to DHS-DWP P.O. Box 14350, Portland, OR 97293-0350

A = All procedures for this analysis are accredited in accordance with NELAP standards. Lab Accreditation No. OR-100013

Approved by: 
Vandana Gade
Microbiology Technical Director



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Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 03/23/2023
Received: 03/16/2023
Sampled By:
Work Order: 3075004

C Molalla, City of
L Attn: Jeff McCrum
I PO Box 248
E Molalla OR, 97038
N Phone: 503-829-5408
T

Project: 1st Quarter DBP's
Project # : N/A
PWSID # : 4100534

Sampling Location: 921 Meadowlawn Pl. , 12424 Toliver Rd
Sample Matrix: Drinking Water

Lab Number	Sample Name	Sampled: 3/16/23 11:00	Sample Composition: Treated Distribution				
3075004-01	921 Meadowlawn PI						

Haloacetic Acids	Code	Method	Units	Result	MRL	EPA MCL	Analysis Date
A <i>Dibromoacetic Acid</i>		SM 6251B	mg/L	ND	0.0010		03/22/2023
A <i>Dichloroacetic Acid</i>		SM 6251B	mg/L	0.0034	0.0010		03/22/2023
A <i>Monobromoacetic Acid</i>		SM 6251B	mg/L	ND	0.0010		03/22/2023
A <i>Monochloroacetic Acid</i>		SM 6251B	mg/L	ND	0.0020		03/22/2023
A <i>Trichloroacetic Acid</i>		SM 6251B	mg/L	0.0040	0.0010		03/22/2023
Total HAA5	2456	SM 6251B	mg/L	0.0074		0.060	

Trihalomethanes	Code	Method	Units	Result	MRL	EPA MCL	Analysis Date
A <i>Chloroform</i>		EPA 524.2	mg/L	0.0079	0.0010		03/22/2023
A <i>Bromodichloromethane</i>		EPA 524.2	mg/L	0.0013	0.0010		03/22/2023
A <i>Dibromochloromethane</i>		EPA 524.2	mg/L	ND	0.0010		03/22/2023
A <i>Bromoform</i>		EPA 524.2	mg/L	ND	0.0010		03/22/2023
Total THM	2950	EPA 524.2	mg/L	0.0092		0.080	Q

Lab Number	Sample Name	Sampled: 3/16/23 11:20	Sample Composition: Treated Distribution				
3075004-02	12424 Toliver Rd						

Haloacetic Acids	Code	Method	Units	Result	MRL	EPA MCL	Analysis Date
A <i>Dibromoacetic Acid</i>		SM 6251B	mg/L	ND	0.0010		03/22/2023
A <i>Dichloroacetic Acid</i>		SM 6251B	mg/L	0.0036	0.0010		03/22/2023
A <i>Monobromoacetic Acid</i>		SM 6251B	mg/L	ND	0.0010		03/22/2023
A <i>Monochloroacetic Acid</i>		SM 6251B	mg/L	ND	0.0020		03/22/2023
A <i>Trichloroacetic Acid</i>		SM 6251B	mg/L	0.0043	0.0010		03/22/2023
Total HAA5	2456	SM 6251B	mg/L	0.0078		0.060	

Trihalomethanes	Code	Method	Units	Result	MRL	EPA MCL	Analysis Date
A <i>Chloroform</i>		EPA 524.2	mg/L	0.0078	0.0010		03/22/2023
A <i>Bromodichloromethane</i>		EPA 524.2	mg/L	0.0013	0.0010		03/22/2023
A <i>Dibromochloromethane</i>		EPA 524.2	mg/L	ND	0.0010		03/22/2023
A <i>Bromoform</i>		EPA 524.2	mg/L	ND	0.0010		03/22/2023
Total THM	2950	EPA 524.2	mg/L	0.0091		0.080	Q

Maximum Contaminant Level: Total THM = 0.080 mg/L, Total HAA5 = 0.060 mg/L

ND = None detected **MRL** = Minimum Reporting Limit **MCL** = Maximum Contaminant Limit
Q Initial calibration verification (ICV), continuing (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.

A = All procedures for this analysis are accredited in accordance with NELAP standards. Lab Accreditation No. OR-100013



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Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT


Reported: 03/23/2023
Received: 03/16/2023
Sampled By:
Work Order: 3075004

C **Molalla, City of**
L Attn: Jeff McCrum
I PO Box 248
E Molalla OR, 97038
N Phone: 503-829-5408
T

Project: 1st Quarter DBP's
Project # : N/A
PWSID # : 4100534

Sampling Location: 921 Meadowlawn Pl. , 12424 Toliver Rd
Sample Matrix: Drinking Water

Notes

Approved by: 
Adriana Gonzalez-Gray
Laboratory Director

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All procedures for this report are in accordance with NELAP standards.*



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ANALYSIS REPORT

Reported: 04/03/2023
Received: 03/16/2023
Sampled By: Jeff McCrum
Work Order: 3075003

C Molalla, City of
L Attn: Jeff McCrum
I PO Box 248
E Molalla OR, 97038
N Phone: 503-829-5408
T

Project: 1st Qtr Samples
Project # : N/A
PWSID # : 4100534

Sampling Location: Filter effluent, Raw Water
Sample Matrix: Drinking Water

Lab Number

	Code	Method	Units	Result	MRL	EPA MCL	Analysis Date/ Time
3075003-01	Sample Name: Filter effluent TOC - WTP-A Filtered Sampled: 3/16/23 10:00						
<i>Inorganics</i>							
Total Organic Carbon	2920	SM5310-C	mg/L	0.62	0.50	-	03/30/23 21:37
3075003-02	Sample Name: Raw Water TOC CH-A Raw Sampled: 3/16/23 10:00 Sample Composition: Raw						
<i>Inorganics</i>							
Total Organic Carbon	2920	SM5310-C	mg/L	1.00	0.50	-	03/30/23 22:18
3075003-03	Sample Name: Raw Water Alkalinity CH-A Raw Sampled: 3/16/23 10:00 Sample Composition: Raw						
<i>Inorganics</i>							
Alkalinity (CaCO3)	1067	EPA 310.1	mg/L	33	2	-	03/16/23 15:30

ND = None detected at the MRL **MRL** = Minimum Reporting Limit **MCL** = Maximum Contamination Limit

Approved by: 
Adriana Gonzalez-Gray
Laboratory Director

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