WATER QUALITY PARAMETERS BECCH 1210/2021 TIME TEMP FREE pH TOTAL 5121 MORRISH 7.68 S:LID HM 17.4% 5 .3 8083 Civic DA 8. 9AM 17.5°C .4 .4 4061 Elms 8.09 1800 9:20 MM .4 .4 Had to re-test - lab waited too long to test one eliment.



Monday, August 23, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369973

Revision of Report ID: 369973 - 0629210806

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader



GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3699730001	5121 Morrish	WSSN: 6505	D	06/10/2021 08:40	06/10/2021 13:49	REBECC
3699730002	4061 Elms	WSSN: 6505	D	06/10/2021 09:20	06/10/2021 13:49	REBECC
3699730003	8083 Civic	WSSN: 6505	D	06/10/2021 09:00	06/10/2021 13:49	REBECC

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 1.9°C on June 10, 2021. General Comments:

A revised report has been issued in regards to the ortho-phosphorus results for sample 369973-0001, -0002 & -0003.

Analysis Results Narrative

3699730001 - 5121 Morrish - Turbidity T|Sample received and/or test analyzed after recommended maximum holding time.

3699730002 - 4061 Elms - Aluminum, Total

HIResult (or RL) is above Max limit. 3699730002 - 4061 Elms - Turbidity

T[Sample received and/or test analyzed after recommended maximum holding time.

3699730003 - 8083 Civic - Turbidity

T|Sample received and/or test analyzed after recommended maximum holding time.

Lab ID: Sample ID: Description:	3699730001 5121 Morrish WSSN: 6505		ANNE CONTRACTOR OF CONTRACTOR OF CONTRACTOR	Date Collected: Date Received:)/2021 08:4()/2021 13:49				Drinking Water, Pota REBECCA	able (D)
Parameter			Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Pa	rameters by SM 23	340 B									
Hardness, Calci	um as CaCO3	72	mg/L		1.0		1			06/16/2021 13:53	JPG
Hardness, Magr	iesium as CaCO3	32	mg/L		1.0		1			06/16/2021 13:53	JPG
Hardness, Total	as CaCO3	100	mg/L		1.0		1			06/16/2021 13:53	JPG
Individual Para	ameters by EPA 30	0.0									
Chloride		11	mg/L		5.0		1		250	06/18/2021 06:59	DTM
Sulfate		23	mg/L		5.0		1		250	06/18/2021 06:59	DTM
Individual Para	meters by SM 213	30 B									
Turbidity		0.22	* NTU		0.05		1		1	06/22/2021 09:50	JKP
Individual Para	meters by SM 232	20 B									
Alkalinity, Total a	is CaCO3	70	mg/L		10		1			06/17/2021 07:26	JKP
Individual Para	meters by SM 450)0-P E									
Orthophosphate,	as P	1.0	mg/L		0.25		10			06/11/2021 11:00	MSH
Metals by EPA	200.7										
Aluminum, Total		0.060	mg/L	0	.010		1		0.20	06/16/2021 13:53	JPG
Metals by EPA	200.8										
Copper, Total		0.0026	mg/L	0.0	0010		1		1.30	06/28/2021 10:57	DTM
Lead, Total		<0.0010	mg/L	0.0	0010		1		0.0150	06/28/2021 10:57	DTM
Zinc, Total		<0.0040	mg/L	0.0	040		1		5	06/28/2021 10:57	DTM



Lab ID: 3699730002 Sample ID: 4061 Elms Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:20 /2021 13:49				Drinking Water, Pot REBECCA	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SM 2	340 B									
Hardness, Calcium as CaCO3	70	mg/L		1.0		1			06/16/2021 13:40	JPG
Hardness, Magnesium as CaCO3	33	mg/L		1.0		1			06/16/2021 13:40	JPG
Hardness, Total as CaCO3	100	mg/L		1.0		1			06/16/2021 13:40	JPG
Individual Parameters by EPA 3	0,00									
Chloride	11	mg/L	-	5.0		1		250	06/18/2021 07:59	DTM
Sulfate	23	mg/L		5.0		1		250	06/18/2021 07:59	DTM
Individual Parameters by SM 21	30 B									
Turbidity	0.22	* NTU		0.05		1		1	06/22/2021 09:50	JKP
Individual Parameters by SM 23	20 B									
Alkalinity, Total as CaCO3	70	mg/L		10		1			06/17/2021 07:26	JKP
Individual Parameters by SM 45	00-P E									
Orthophosphate, as P	0.72	mg/L		0.25		10			06/11/2021 11:00	MSH
Metals by EPA 200.7										
Aluminum, Total	0.35	* mg/l		0.10		10		0.20	06/16/2021 13:40	JPG
Metals by EPA 200.8										
Copper, Total	<0.0010	mg/i	. 0.	.0010		1		1.30	06/28/2021 10:57	DTM
Lead, Total	<0.0010	mg/l	. 0.	.0010		1		0.0150	06/28/2021 10:57	DTM
Zinc, Total	<0.0040	mg/l	. 0.	.0040		1		5	06/28/2021 10:57	DTM

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Sample ID: Description:	3699730003 8083 Civic WSSN: 6505			Date Collected: Date Received:	-	/2021 09:00 /2021 13:49				Drinking Water, Pota REBECCA	able (D)
Parameter		Result	Qual Uni	t	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Pa	rameters by SM 234	10 B									
Hardness, Calci	ium as CaCO3	70	mg/	L	1.0		1			06/16/2021 13:43	JPG
Hardness, Magr	nesium as CaCO3	32	mg/	L	1.0		1			06/16/2021 13:43	JPG
Hardness, Total	l as CaCO3	100	mg/	L	1.0		1			06/16/2021 13:43	JPG
Individual Par	ameters by EPA 300	0.0									
Chloride		11	mg/	L	5.0		1		250	06/18/2021 08:17	DTM
Sulfate		23	mg/	L	5.0		1		250	06/18/2021 08:17	DTM
Individual Par	ameters by SM 213	0 B									
Turbidity		0.21	* NTU	J	0.05		1		1	06/22/2021 09:50	JKP
Individual Par	ameters by SM 232	0 B									
Alkalinity, Total	as CaCO3	70	mg/	L	10		1			06/17/2021 07:26	JKP
Individual Par	ameters by SM 450	0-P E									
Orthophosphate	e, as P	0.85	mg/	L	0.25		10			06/11/2021 11:00	MS⊦
Metals by EPA	A 200.7										
Aluminum, Tota	I	0.072	mg/	L	0.010		1		0.20	06/16/2021 13:43	JPG
Metals by EPA	A 200.8										
Copper, Total		0.028	mg/	L 0	.0010		1		1.30	06/28/2021 10:57	DTM
Lead, Total		<0.0010	mg/	L O	.0010		1		0.0150	06/28/2021 10:57	DTM
Zinc, Total		<0.0040	mg/	L O	.0040		1		5	06/28/2021 10:57	DTN



VOCS HIAHST HUM, FREZ TOTAL PH TEMP 8230 CRAPO .5 .5 76 637 3259 EUMS 36 .6 25 625F

1



Friday, November 19, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 373860

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader



GLOSSARY

Abbreviation	Meaning	Explanation
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RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3738600001	5121 Morrish	WSSN; 6505	D	11/04/2021 10:30	11/05/2021 07:12	B. Becca
3738600002	8083 Civic	WSSN; 6505	D	11/04/2021 11:00	11/05/2021 07:12	B. Becca
3738600003	4061 Elms	WSSN; 6505	D	11/04/2021 12:20	11/05/2021 07:12	B. Becca



Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 10.1°C on November 5, 2021.

Analysis Results Narrative

3738600001 - 5121 Morrish - Aluminum, Total

HIResult (or RL) is above Max limit.

3738600001 - 5121 Morrish - Sulfate The MS and/or MSD recovery for this analyte was above the upper control limit.

3738600002 - 8083 Civic - Aluminum, Total

HResult (or RL) is above Max limit.

3738600003 - 4061 Elms - Aluminum, Total

H|Result (or RL) is above Max limit.



Lab ID: 3738600001 Sample ID: 5121 Morrish Description: WSSN; 6505			Date Collected: Date Received:		/2021 10:3 /2021 07:1			Matrix: ector:	Drinking Water, Pota Becca B.	able (D)
Parameter	Result	Qual Uni	l .	RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SM 23	40 B									
Hardness, Calcium as CaCO3	71	mg/	L.	1.0		1			11/16/2021 12:18	JPG
Hardness, Magnesium as CaCO3	30	mg/		1.0		1			11/16/2021 12:18	JPG
Hardness, Total as CaCO3	100	mg/		1.0		1			11/16/2021 12:18	JPG
Individual Parameters by EPA 30	0.0									
Chloride	10	mg/	Ļ	5.0		1		250	11/11/2021 16:53	RTS
Sulfate	23	* mg/	L.	5.0		1		250	11/11/2021 16:53	RTS
Individual Parameters by SM 213	80 B									
Turbidity	0.48	NTU	J	0.05		1		1	11/05/2021 12:30	RTS
Individual Parameters by SM 232	20 B									
Alkalinity, Total as CaCO3	80	mg/	L.	10		1			11/11/2021 08:34	CTJ
Individual Parameters by SM 450	0-P E									
Orthophosphate, as P	0.84	mg/	L	0.025		1			11/05/2021 10:03	SKS
Metals by EPA 200.7										
Aluminum, Total	0.47	* mg/	L	0.010		1		0.20	11/16/2021 12:18	JPG
Calcium, Total	28	mg/	L .	0.10		1			11/16/2021 12:18	JPG
Magnesium, Total	7.4	mg/	L	0.10		1			11/16/2021 12:18	JPG
Zinc, Total	<0.050	mg/	i lo	0.050		1		5	5 11/16/2021 12:18	JPG
Metals by EPA 200.8										
Copper, Total	<0.0010	mg/	L 0.	.0010		1		1.30	11/12/2021 15:15	RTS
Lead, Total	<0.0010	mg/	L 0.	.0010		1		0.0150) 11/12/2021 15:15	RTS



Sample ID: 80	738600002 083 Civic /SSN; 6505				Date Collected: Date Received:		/2021 11:0 /2021 07:1				Drinking Water, Pota Becca B.	able (D)
Parameter		Result	Qual	Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Paran	neters by SM 234	40 B										
Hardness, Calcium	as CaCO3	70		mg/L		1.0		1			11/16/2021 12:23	JPG
Hardness, Magnesi	um as CaCO3	31		mg/L		1.0		1			11/16/2021 12:23	JPG
Hardness, Total as	CaCO3	100		mg/L		1.0		1			11/16/2021 12:23	JPG
Individual Parame	eters by EPA 30	0.0										
Chloride		10		mg/L		5.0		1		250	11/11/2021 17:49	RTS
Sulfate		23		mg/L		5.0		1		250	11/11/2021 17:49	RTS
Individual Param	eters by SM 213	0 B										
Turbidity		0.27		NTU		0.05		1		1	11/05/2021 12:30	RTS
Individual Parame	eters by SM 232	0 B										
Alkalinity, Total as C	CaCO3	80		mg/L		10		1			11/11/2021 08:34	CTJ
Individual Param	eters by SM 450	0-P E										
Orthophosphate, as	P	0.75		mg/L	20	0.025		1			11/05/2021 10:03	SKS
Metals by EPA 20	00.7											
Aluminum, Total		0.22		mg/L	(0.010		1		0.20	11/16/2021 12:23	JPG
Zinc, Total		<0.050		mg/L		0.050		1		5	11/16/2021 12:23	JPG
Metals by EPA 20	00.8											
Copper, Total		0.0027		mg/L	0.	0010		1		1.30	11/12/2021 15:15	RTS
Lead, Total		<0.0010		mg/L	0.	0010		1		0.0150	11/12/2021 15:15	RTS



Lab ID: 373860000 Sample ID: 4061 Elms Description: WSSN; 650			Date Collected: Date Received:		/2021 12:2 /2021 07:1				Drinking Water, Pota Becca B.	able (D)
Parameter		Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by	SM 2340 B									
Hardness, Calcium as CaCO3	69	mg/L		1.0		1			11/16/2021 12:28	JPG
Hardness, Magnesium as CaC	03 31	mg/L		1.0		1			11/16/2021 12:28	JPG
Hardness, Total as CaCO3	100	mg/L		1.0		1			11/16/2021 12:28	JPG
Individual Parameters by E	PA 300.0									
Chloride	10	mg/L		5.0		1		250	11/11/2021 18:07	RTS
Sulfate	23	mg/L		5.0		1		250	11/11/2021 18:07	RTS
Individual Parameters by S	M 2130 B		4							
Turbidity	0.34	NTU		0.05		1		1	11/05/2021 12:40	RTS
Individual Parameters by S	M 2320 B									
Alkalinity, Total as CaCO3	70	mg/L		10		1			11/11/2021 09:45	CTJ
Individual Parameters by S	M 4500-P E									
Orthophosphate, as P	0.82	mg/L		0.025		1			11/05/2021 10:38	SKS
Metals by EPA 200.7										
Aluminum, Total	0.34	* mg/L		0.010		1		0.20	11/16/2021 12:28	JPG
Zinc, Total	<0.050	mg/L		0.050		1		5	11/16/2021 12:28	JPG
Metals by EPA 200.8										
Copper, Total	<0.0010	mg/L	. 0	.0010		1		1.30	11/12/2021 15:15	RTS
Lead, Total	<0.0010	mg/L	. 0	.0010		1		0.0150	11/12/2021 15:15	RTS



4-12-21

WSSN 6505

FREE CHLORINE RESIDUAL TEST

	TOTAL	FREE
5121 MORRISH ROAD	0.3	0.3
ELMS RD. ELEMENTARY	015	0,5-
8240 MILLER ROAD		
8083 CIVIC DRIVE	015	Ø.5

Rotanne 132-0079 Jated 4/24/21 10:44 G

4-	26.	2021
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MIDDLE SCHOOL HIGH SCHOOL SYRING SCHOOL 3462 DYE ROAD MTA

TOTAL	FREE
0,5	0,5
015	015
0,5	0,5



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ51584

Work Order: 10401227_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:		
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	04/12/2021	09:00
Sample Point:	KITCHEN SINK	Date Received:	04/13/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monite	oring

TESTI	ING INFO	RMATION			REG	ULATORY INFO	DRMATION
Analyte Name	Res	ult Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not De	etected		04/13/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform 1	Results:	Not Detected = Positive = Total EC Positive = C	Coliform <u>wa</u>	s found and E. co	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL)

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

By authority of PA 368 of 1978 as amended



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ51583 Work Order: 10401227 01

APR 1 9 2021

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	ELM RD ELEMENTARY SCHOOL, SWA	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	04/12/2021	09:30
Sample Point:	KITCHEN SINK	Date Received:	04/13/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TEST	ING INFORMATI	ON			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			04/13/202	21	SM 9223 B	TC-00-B
Explanation of Coliform	Results: Positiv	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint. MI 48502-1540 810 257-3603



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report B

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ51585 Work Order: 10401227 03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505
Collection Address:	8083 CIVIC DR,SWARTZ CREEK	Source:	TYPE
Collected By:	ROD	Site Code:	
Township/Well#/Section:	//	Collector:	Other
County:	Genesee	Date Collected:	04/12/
Sample Point:	KITCHEN SINK	Date Received:	04/13/
Water System:	Treated Public Distribution System	Purpose:	Routir

TYPE III	
Other	
04/12/2021	09:50
04/13/2021	07:46
Routine Monit	oring
	Other 04/12/2021

APR 1 9 2021

TEST	ING INFORMA	TION			REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	L Not Detect	ed		04/13/20	21	SM 9223 B	ТС-00-В
Explanation of Coliform Results:Not Detected = Coliform and E. coli bacteria were not foundPositive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found							

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint. MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ANDY HARRIS
	8083 CIVIC DR
	SWARTZ CREEK MI 48473

Sample ID:	LJ53289
Work Order:	10402667_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL CRAP,:	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	04/26/2021	09:25
Sample Point:	KITCHEN SINK	Date Received:	04/27/2021	08:29
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ring

TES	TING INFORMATIO	N			RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			04/27/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Ro	esults: Positive	= Total Colif	òrm <u>was fou</u>	oli bacteria were n nd and E. coli bac li bacteria were fo	teria <u>was not fo</u> t	ind	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ53290 Work Order: 10402667_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL OAKVIE,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	04/26/2021	10:00
Sample Point:	KITCHEN SINK	Date Received:	04/27/2021	08:29
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ring

TES	TESTING INFORMATION						ORMATION	
Analyte Name	Result	Units	RL	Date ⊺ested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detected			04/27/202	1	SM 9223 B	ТС-00-В	
	Not D	etected = Colif	form and E. c	oli bacteria were i	not found			
Explanation of Coliform Re	esults: Positi	Positive = Total Coliform was found and E. coli bacteria was not found						
	EC Po	EC Positive = Coliform and E. Coli bacteria were found						

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003 P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ53291 Work Order: 10402667_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL DRAGON	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	04/26/2021	09:50
Sample Point:	KITCHEN SINK	Date Received:	04/27/2021	08:29
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATI	ON			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			04/27/202	:1	SM 9223 B	Т С-00-В
Explanation of Coliform Re	esults: Positiv	e = Total Colif	orm <u>was fou</u>	oli bacteria were <u>nd</u> and E. coli bac li bacteria were fo	teria <u>was not fo</u> u	ind	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number

			, 8-5 Ly Para			
	< rul	6 ₅	5 er	TUTAL	Kue	Dust
5121Morash	19.6	8.3	.2	,2	9:15	8-5-21
1061 Elms	22.2	8,4	.2	.ک	10:40	8-5-21
7683 CIVIC	20.2	8,1	.3	,3	9:55	8-5-21
	King	2×	(red	Xtrat	<14°2	Ord
3259 Elms	23.4	8.7			10:20gm	8-5-2/
8230 Capo	21.6	8.1	,2	,3	9:35cm	8-5-21



Wednesday, August 18, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 371463 Project Name: City of Swartz Creek

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyboxn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3714630001	5121 Morrish	WSSN: 6505, Grab	D	08/05/2021 09:15	08/05/2021 12:50	Jay
3714630002	4061 Elms	WSSN: 6505, Grab	D	08/05/2021 10:40	08/05/2021 12:50	Jay
3714630003	8083 Civic	WSSN: 6505, Grab	D	08/05/2021 09:55	08/05/2021 12:50	Jay

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative General Comments:

Samples were received on natural ice with an average temperature of 4.9°C on August 5, 2021.

Sample ID:	3714630001 5121 Morrish WSSN: 6505, Grab	-, ,,,-,-,,		Date Collected: Date Received:	I: 08/05/2021 12:50			Matrix: Drinking Water, Potable (I Collector: Jay			ble (D)
Parameter		Result	Qual U	nit	RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Para	meters by SM 2340 I	3									
Hardness, Calciun	n as CaCO3	72	m	g/L	1.0		1			08/11/2021 12:34	JPG
Hardness, Magne	sium as CaCO3	30	m]/∟	1.0		1			08/11/2021 12:34	JPG
Hardness, Total a	s CaCO3	100	m	g/L	1.0		1			08/11/2021 12:34	JPG
Individual Parar	meters by EPA 300.0										
Chloride		11	m]/L	5.0		1		250	08/06/2021 12:26	DTM
Sulfate		27	m	g/L	5.0		1		250	08/06/2021 12:26	DTM
Individual Parar	meters by SM 2130 B										
Turbidity		0.15	N	ſIJ	0.05		1		1	08/05/2021 14:38	JKP
Individual Parar	neters by SM 2320 B										
Alkalinity, Total as	s CaCO3	80	m	g/L	10		1			08/10/2021 12:53	CTJ
Individual Parar	meters by SM 4500-P	E									
Orthophosphate, a	as P	0.63	m	g/L	0.25		10			08/06/2021 09:40	MSH
Metals by EPA	200.7										
Aluminum, Total		0.15	m	g/L	0.010		1		0.20	08/11/2021 12:34	JPG
Metals by EPA	200.8										
Copper, Total		0.0022	m	g/L (0.0010		1		1.30	08/11/2021 11:53	DTM
Lead, Total		<0.0010	m	g/L (0.0010		1		0.0150	08/11/2021 11:53	DTM
Zinc, Total		<0.0040	m	g/L (0.0040		1		5	08/11/2021 11:53	DTM

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Lab ID: Sample ID: Description:	3714630002 4061 Elms WSSN: 6505, Grab			Date Collected: Date Received:		/2021 10:40 /2021 12:50		Matrix: Collector:	Drinking Water, Po Jay	table (D)
Parameter	, , , , , , , , , , , , , , , , ,	Result	Qual Unit		RL	MDL	DF	Min Ma>	Analyzed	Ву
Calculated Pa	rameters by SM 2340	DВ						· · · · ·		· -
Hardness, Calci	um as CaCO3	71	mg/L		1.0		1		08/11/2021 12:49	JPG
Hardness, Magi	nesium as CaCO3	31	mg/L		1.0		1		08/11/2021 12:49	JPG
Hardness, Total	as CaCO3	100	mg/L		1.0		1		08/11/2021 12:49	JPG
Individual Par	ameters by EPA 300.	.0								
Chloride		11	mg/L		5.0		1	250	08/06/2021 12:45	DTM
Sulfate		27	mg/L		5.0		1	250	08/06/2021 12:45	DTM
Individual Par	ameters by SM 2130	в								
Turbidity		<0.05	NTU		0.05		1		08/05/2021 14:38	JKP
Individual Par	ameters by SM 2320	в								
Alkalinity, Total	as CaCO3	80	mg/L		10		1		08/10/2021 12:53	СТЈ
Individual Par	ameters by SM 4500	-PE								
Orthophosphate	e, as P	0.65	mg/L		0.025		1		08/06/2021 09:40	MSH
Metals by EP/	A 200.7									
Aluminum, Tota	I	0.17	mg/L	1	0.010		1	0.2	08/11/2021 12:49	JPG
Metals by EP/	A 200.8									
Copper, Total		0.0039	mg/L	0	.0010		1	1.3	0 08/11/2021 11:56	DTM
Lead, Total		<0.0010	mg/L	0	.0010		1	0.015	0 08/11/2021 11:56	DTM
Zinc, Total		<0.0040	mg/L	0	.0040		1		5 08/11/2021 11:56	DTM

Lab ID: 3714630003 Sample ID: 8083 Civic Description: WSSN: 6505,	, Grab		Date Collected: Date Received:	ed: 08/05/2021 12:50				Drinking Water, Potable (D) Jay		
Parameter		Qual Unit		RL.	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SI	M 2340 B									
Hardness, Calcium as CaCO3	70	mg/L		1.0		1			08/11/2021 13:04	JPG
Hardness, Magnesium as CaCO	3 31	mg/L		1.0		1			08/11/2021 13:04	JPG
Hardness, Total as CaCO3	100	mg/L		1.0		1			08/11/2021 13:04	JPG
Individual Parameters by EP	A 300.0									
Chloride	11	mg/L		5.0		1		250	08/06/2021 13:04	DTM
Sulfate	27	mg/L		5.0		1		250	08/06/2021 13:04	DTM
Individual Parameters by SM	2130 B									
Turbidity	<0.05	NTU		0.05		1		1	08/05/2021 14:38	JKP
Individual Parameters by SM	2320 B									
Alkalinity, Total as CaCO3	50	mg/L		10		1			08/10/2021 12:53	СТЈ
Individual Parameters by SM	4500-P E									
Orthophosphate, as P	0.63	mg/L	(0.025		1			08/06/2021 09:40	MSH
Metals by EPA 200.7										
Aluminum, Total	0.13	mg/L	(0.010		1		0.20	08/11/2021 13:04	JPG
Metals by EPA 200.8										
Copper, Total	0.0092	mg/L	0.	.0010		1		1.30	08/11/2021 11:57	DTM
Lead, Total	<0.0010	mg/L	0.	.0010		1		0.0150	08/11/2021 11:57	DTM
Zinc, Total	< 0.0040	mg/L	0.	0040		1		5	08/11/2021 11:57	DTM



Friday, August 27, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 371462 Project Name: City of Swartz Creek

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
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MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3714620001	3259 Elms	WSSN: 6505	D	08/05/2021 10:20	08/05/2021 12:50	Jay
3714620002	8230 Crapo	WSSN: 6505	D	08/05/2021 09:35	08/05/2021 12:50	Jay

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 2.5°C on August 5, 2021.

All VOA vials contained zero head-space.

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Lab ID: 3714620001 Sample ID: 3259 Elms Description: WSSN: 6505			Date Collected: Date Received:	08/05/2021 10:20 08/05/2021 12:50			Matrix: Drinking Water, Potable (D) Collector: Jay			
Parameter	Result Qu	al Unit		RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by EPA	4 552.3									
Bromoacetic acid (MBAA)	<1.0	μg/L		1.0	0.36	1			08/18/2021 10:43	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L		2.0	0.30	1			08/18/2021 10:43	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L		1.0	0.39	1			08/18/2021 10:43	GFM
Dichloroacetic acid (DCAA)	6.7	μg/L		1.0	0.20	1			08/18/2021 10:43	GFM
Trichloroacetic acid (TCAA)	17	μg/L		1.0	0.12	1			08/18/2021 10:43	GFM
Haloacetic Acids, Total (HAA5)	24	µg/L		1.0		1		60	08/18/2021 10:43	GFM
Sample Preparation by EPA 552	2.3									
Liquid-Liquid Extraction, HAAs	Complete					1			08/17/2021 11:30	GFM
Volatiles by EPA 524.2										
Bromodichloromethane	11	μg/L		0.50		1			08/07/2021 16:33	DTM
Bromoform	<0.50	μg/L		0.50		1			08/07/2021 16:33	DTM
Chloroform	47	μg/L		0.50		1			08/07/2021 16:33	DTM
Dibromochloromethane	3.5	μg/L		0.50		1			08/07/2021 16:33	DTM
Trihalomethanes, Total (TTHM)	61	μg/L		0.50		1		80	08/07/2021 16:33	DTM

Lab ID: 3714620002 Sample ID: 8230 Crapo Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:3 /2021 12:50				Drinking Water, Pota Jay	able (D)
Parameter	Result (Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by EPA	552.3									
Bromoacetic acid (MBAA)	<1.0	μg/L		1.0	0.36	1			08/20/2021 13:30	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L		2.0	0.30	1			08/20/2021 13:30	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L		1.0	0.39	1			08/20/2021 13:30	GFM
Dichloroacetic acid (DCAA)	7.7	μg/L		1.0	0.20	1			08/20/2021 13:30	GFM
Trichloroacetic acid (TCAA)	13	μg/L		1.0	0.12	1			08/20/2021 13:30	GFM
Haloacetic Acids, Total (HAA5)	21	µg/L		1.0		1		60	08/20/2021 13:30	GFM
Sample Preparation by EPA 552	3									
iquid-Liquid Extraction, HAAs	Complete					1			08/18/2021 13:00	GFM
/olatiles by EPA 524.2										
Bromodichloromethane	11	μg/L		0.50		1			08/07/2021 17:02	DTM
Bromoform	<0.50	μg/L		0.50		1			08/07/2021 17:02	DTM
Chloroform	44	μg/L		0.50		1			08/07/2021 17:02	DTM
Dibromochloromethane	3.5	μg/L		0.50		1			08/07/2021 17:02	DTM
Frihalomethanes, Total (TTHM)	58	μg/L		0.50		1		80	08/07/2021 17:02	DTM

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8-2-21

WSSN 6505

FREE CHLORINE RESIDUAL TEST

	TOTAL	FREE
5121 MORRISH ROAD	5.0	0:0
ELMS RD. ELEMENTARY	0.1	0.1
8240 MILLER ROAD	\sim	\sim
8083 CIVIC DRIVE	0.2	90,0
		<u> </u>

L

Rotanne 732-0079

8-17-21

	TOTAL	FREE
MIDDLE SCHOOL	.2	
HIGH SCHOOL	.2	.1
SYRING SCHOOL	, 3	,2
3462 DYE ROAD MTA	. 4	4.

forter 8/17/21 3



USEPA Region V Drinking Water Cert. No. MI00003

P:O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ69818 Work Order: 10800186_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505		
Collection Address:	ELMS RD ELEMENTARY SCHOOL, SW	Source:	TYPE III		
Collected By:	ROD	Site Code:			
Township/Well#/Section:	//	Collector:	Other		
County:	Genesee	Date Collected:	08/02/2021	09:20	
Sample Point:	KITCHEN SINK	Date Received:	08/03/2021	08:02	
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring	

TESTIN	G INFORMAT	ION	-		REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		08/03/20	21	SM 9223 B	TC-00-B
Explanation of Coliform Re	esults: Positi	ve = Total Co	liform was		were not found oli bacteria <u>was</u> were found		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ69819 Work Order: 10800186_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	08/02/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	08/03/2021	08:02
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTI	NG INFORMAT	ION			REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		08/03/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positi	ve = Total Co	liform was	E. coli bacteria found and E. co Coli bacteria y	oli bacteria was		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number

8/4/2021

1:47:16PM

CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

By authority of PA 368 of 1978 as amended Report Created on:



USEPA Region V Drinking Water Cert. No. MI00003

'P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ69820 Work Order: 10800186_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	08/02/2021	08:55
Sample Point:	KITCHEN SINK	Date Received:	08/03/2021	08:02
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTIN	IG INFORMAT	FION		San Track	REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		08/03/20:	21	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Posit	ive = Total Co	liform <u>was</u>	E. coli bacteria found and E. co Coli bacteria y	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL)

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473



Sample ID: LJ73144 Work Order: 10802196_04

GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
MIDDLE SCHOOL, SWARTZ CREEK	Source:	TYPE II	
JAY SANDFORD	Site Code:		
/304/	Collector:	Other	
Genesee	Date Collected:	08/17/2021	09:05
KITCHEN SINK	Date Received:	08/18/2021	07:42
Treated Public Distribution System	Purpose:	Routine Moni	toring
	MIDDLE SCHOOL,SWARTZ CREEK JAY SANDFORD /304/ Genesee KITCHEN SINK	MIDDLE SCHOOL,SWARTZ CREEKSource:JAY SANDFORDSite Code:/304/Collector:GeneseeDate Collected:KITCHEN SINKDate Received:	MIDDLE SCHOOL,SWARTZ CREEKSource:TYPE IIJAY SANDFORDSite Code:/304/Collector:OtherGeneseeDate Collected:08/17/2021KITCHEN SINKDate Received:08/18/2021

TESTIN	IG INFORMAT	TION	-		REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		08/18/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Posit	ive = Total Co	liform <u>was</u>		were not found oli bacteria <u>was</u> were found		

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



MICHIGAN DEPARTMENT O'F ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003 P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473



Sample ID: LJ73143 Work Order: 10802196_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	3462 DYE RD MTA, SWARTZ CREEK	Source:	TYPE II	
Collected By:	JAY SANDFORD	Site Code:		
Township/Well#/Section:	/304/	Collector:	Other	
County:	Genesee	Date Collected:	08/17/2021	10:15
Sample Point:	KITCHEN SINK	Date Received:	08/18/2021	07:42
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTING INFORMATION						REGULATORY INFORMATION		
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detected	ł		08/18/202	21	SM 9223 B	TC-00-B	
Explanation of Coliform R	esults: Positi	ve = Total Co	liform <u>was</u>	E. coli bacteria found and E. co Coli bacteria v	oli bacteria was			

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473



Sample ID: LJ73142 Work Order: 10802196 02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN
Collection Address:	HIGH SCHOOL, SWARTZ CREEK	Source
Collected By:	JAY SANDFORD	Site Co
Township/Well#/Section:	/304/	Collec
County:	Genesee	Date C
Sample Point:	KITCHEN SINK	Date F
Water System:	Treated Public Distribution System	Purpos

6505			
TYPE II			
Other			
08/17/2021	08:40		
08/18/2021	07:42		
Routine Monitoring			
	TYPE II Other 08/17/2021 08/18/2021		

TESTING INFORMATION						REGULATORY INFORMATION		
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detected			08/18/202	21	SM 9223 B	TC-00-B	
Explanation of Coliform Re	esults: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria found and E. co Coli bacteria w	oli bacteria <u>was</u>			

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RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

'P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473



Sample ID: LJ73141 Work Order: 10802196_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING SCHOOL, SWARTZ CREEK	Source:	TYPE II	
Collected By:	JAY SANDFORD	Site Code:		
Township/Well#/Section:	/304/	Collector:	Other	
County:	Genesee	Date Collected:	08/17/2021	09:35
Sample Point:	KITCHEN SINK	Date Received:	08/18/2021	07:42
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTING INFORMATION						REGULATORY INFORMATION		
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detected	Ŀ		08/18/202	21	SM 9223 B	TC-00-B	
Explanation of Coliform Results: EC Positive = Coliform and EC Positive = Coliform a				found and E. co	oli bacteria <u>was</u>			

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RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

WSSN 6505	12-6	- 21						
FREE CHLORINE RESIDUAL TEST								
		TOTAL	FREE					
5121 MORRISH ROAD	_	0.5	0.4					
ELMS RD. ELEMENTARY		0.4	0,3					
8240 MILLER ROAD								
8083 CIVIC DRIVE		0,5	0,5					
	-							

Roxanne 732-0079

12.20-21

	TOTAL	FREE
MIDDLE SCHOOL	0.5	0.5
HIGH SCHOOL	0.5	0.5
SYRING SCHOOL	0,5	0.5
3462-DYE ROAD-MTA	~~~~	<u> </u>

forted 1/3/22 3



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ91333 Work Order: 11200522 02

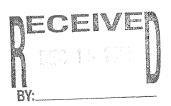
System Name/Owner: GENESEE COUNTY WATER SYSTEM WSSN/Pool ID: 6505 Collection Address: ELMS ELEMENTARY, SWARTZ CREEK Source: TYPE II Collected By: JAY SANDFORD Site Code: Township/Well#/Section: Collector: Other // County: Genesee Date Collected: 12/06/2021 10:15 Sample Point: **KITCHEN SINK** Date Received: 12/07/2021 08:21 Water System: Treated Public Distribution System Purpose: Routine Monitoring

TESTING INFORMATION						ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		12/07/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform l	Results: Positiv	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ91334 Work Order: 11200522_03

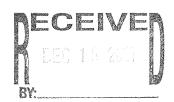
System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:		
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE II	
Collected By:	JAY SANDFORD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	12/06/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	12/07/2021	08:21
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTING INFORMATION					REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	ed		12/07/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Posit	ive = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	li bacteria <u>was</u>		

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

By authority of PA 368 of 1978 as amended

Not Detected: Not detected at or above the reporting limit (RL)



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ91332 Work Order: 11200522_01

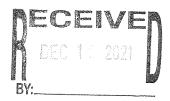
GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
8083 CIVIC DR,SWARTZ CREEK	Source:	TYPE II	
JAY SANDFORD	Site Code:		
11	Collector:	Other	
Genesee	Date Collected:	12/06/2021 10	:40
KITCHEN SINK	Date Received:	12/07/2021 08	:21
Treated Public Distribution System	Purpose:	Routine Monitoring	I
	8083 CIVIC DR,SWARTZ CREEK JAY SANDFORD // Genesee KITCHEN SINK	8083 CIVIC DR,SWARTZ CREEKSource:JAY SANDFORDSite Code://Collector:GeneseeDate Collected:KITCHEN SINKDate Received:	8083 CIVIC DR,SWARTZ CREEKSource:TYPE IIJAY SANDFORDSite Code://Collector:OtherGeneseeDate Collected:12/06/202110KITCHEN SINKDate Received:12/07/202108

TEST	TESTING INFORMATION					ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	Not Detec	ted		12/07/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Pos	itive = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	li bacteria <u>was</u>		

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RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL)



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ93729 Work Order: 11202322_01

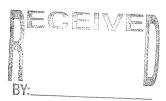
System Name/Owner:	GENESEE COUNTY WATER SYSTEM			
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SV	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	12/20/2021	10:10
Sample Point:	KITCHEN SINK	Date Received:	12/20/2021	11:59
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTI	NG INFORMAT	ION			REĢ	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	:		12/21/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform l	Results: Positi	ve = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ93730 Work Order: 11202322_02

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWA	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	12/20/2021	10:21
Sample Point:	KITCHEN SINK	Date Received:	12/20/2021	11:59
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTI	NG INFORM	IATION			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Dete	cted		12/21/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform 1	Results: Po	ot Detected = Co ositive = Total Co C Positive = Coli	oliform <u>was</u>	found and E. cc	oli bacteria <u>was</u>		

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ93731

Work Order: 11202322_03

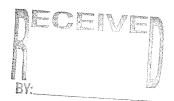
System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SPRING ELEMENTARY SCHOOL OAK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	12/20/2021	10:30
Sample Point:	KITCHEN SINK	Date Received:	12/20/2021	11:59
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTI	NG INFORMA	TION			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detect	ed		12/21/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Posi	tive = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

2-1-2021

WSSN 6505

FREE CHLORINE RESIDUAL TEST

	TOTAL	FREE
5121 MORRISH ROAD	Ò,3	0,3
ELMS RD. ELEMENTARY	0.3	0.3
8240 MILLER ROAD		
8083 CIVIC DRIVE	0,3	0,3
	1	d

Rotanne 132-0019

9-17-2021

015	0.5
015	0.5
	015

TOTAL

FREE



USEPA Region V Drinking Water Cert. No. MI00003



Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ43331 Work Order: 10200073_01

System Name/Owner:	GENESSEE COUNTY WATER SAMPLE	WSSN/Pool ID:		
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	02/01/2021	08:55
Sample Point:	KITCHEN SINK	Date Received:	02/02/2021	07:56
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTIN	IG INFORMATIC	DN			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			02/02/202	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positive	= Total Co	liform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria v	oli bacteria <u>was</u>		

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USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562





Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ43332 Work Order: 10200073_02

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	ELM RD ELEMENTARY, SWARTZ CREI	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	02/01/2021	09:15
Sample Point:	KITCHEN SINK	Date Received:	02/02/2021	07:56
Water System:	Treated Public Distribution System	Purpose:	Routine Monif	toring

TEST	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	Not Detect	ed		02/02/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Posi	tive = Total Co	liform <u>was</u>	E. coli bacteria found and E. co . Coli bacteria v	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report



Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ43333 Work Order: 10200073 03

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505		
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III		
Collected By:	ROD	Site Code:			
Township/Well#/Section:	1/	Collector:	Other		
County:	Genesee	Date Collected:	02/01/2021	09:35	
Sample Point:	KITCHEN SINK	Date Received:	02/02/2021	07:56	
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring	

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			02/02/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positiv	e = Total Co	liform was	E. coli bacteria found and E. co . Coli bacteria v	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45028 Work Order: 10201545_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL DRA(Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	02/17/2021	09:20
Sample Point:	KITCHEN SINK	Date Received:	02/18/2021	07:20
Water System:	Treated Public Distribution System	Purpose:	Routine Monif	toring

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		02/18/202	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positiv	e = Total Co	liform was	E. coli bacteria <u>found</u> and E. co . Coli bacteria v	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45026 Work Order: 10201545_01

Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring
Sample Point:	KITCHEN SINK	Date Received:	02/18/2021	07:20
County:	Genesee	Date Collected:	02/17/2021	09:35
Township/Well#/Section:	//	Collector:	Other	
Collected By:	ROD	Site Code;		
Collection Address:	SYRING ELEMENTARY SCHOOL, SWA	Source:	TYPE III	
System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	

TES	REGULATORY INFORMATION						
Analyte Name	Resul	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 m	L Not Dete	cted		02/18/20	21	SM 9223 B	TC-00-B
Explanation of Coliforn	n Results: F	lot Detected = Co ositive = Total Co C Positive = Colid	liform <u>was</u>	found and E. c	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep

Report Created on: 2/19/2021 1:54:27PM



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45027 Work Order: 10201545_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SV	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	02/17/2021	09:05
Sample Point:	KITCHEN SINK	Date Received:	02/18/2021	07:20
Water System:	Treated Public Distribution System	Purpose:	Routine Monif	oring

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			02/18/202	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positive	= Total Co	liform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria v	oli bacteria was		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



Monday, February 22, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 367501

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5622.

Sincerely,

Muamna D Bell

Breanna Bell Account Coordinator



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3675010001	8083 Civic	WSSN: 6505	D	02/11/2021 07:30	02/11/2021 13:46	B. Becca
3675010002	5121 Morrish	WSSN: 6505	D	02/11/2021 07:15	02/11/2021 13:46	B. Becca
3675010003	4061 Elms	WSSN: 6505	D	02/11/2021 07:50	02/11/2021 13:46	B. Becca



Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 3.2°C on February 11, 2021.



ParameterResultQualUnitCalculated Parameters by SM 2340 BHardness, Calcium as CaCO389mg/LHardness, Magnesium as CaCO332mg/LHardness, Total as CaCO3120mg/LIndividual Parameters by EPA 300.0mg/LChloride11mg/LSulfate28mg/LIndividual Parameters by SM 2130 Bmg/LTurbidity<0.05NTUAlkalinity, Total as CaCO380mg/L	RL N 1.0 1.0 1.0 5.0 5.0	MDL DF N 1 1 1 1	lin Max 250	Analyzed 02/15/2021 09:50 02/15/2021 09:50 02/15/2021 09:50	Ву МКК МКК
Hardness, Calcium as CaCO389mg/LHardness, Magnesium as CaCO332mg/LHardness, Total as CaCO3120mg/LIndividual Parameters by EPA 300.0Chloride11mg/LSulfate28mg/LIndividual Parameters by SM 2130 BImage SM 2130 BTurbidity<0.05NTUIndividual Parameters by SM 2320 BImage SM 2130 BIndividual Parameters by SM 2320 BImage SM 2320 BAlkalinity, Total as CaCO380mg/L	1.0 1.0 5.0	1 1	250	02/15/2021 09:50	МКК
Hardness, Magnesium as CaCO332mg/LHardness, Total as CaCO3120mg/LIndividual Parameters by EPA 300.0Img/LChloride11mg/LSulfate28mg/LIndividual Parameters by SM 2130 BImg/LTurbidity<0.05	1.0 1.0 5.0	1 1	250	02/15/2021 09:50	МКК
Hardness, Total as CaCO3120mg/LIndividual Parameters by EPA 300.0mg/LChloride11mg/LSulfate28mg/LIndividual Parameters by SM 2130 Bmg/LTurbidity<0.05	1.0	1	250		
Individual Parameters by EPA 300.0 Chloride 11 mg/L Sulfate 28 mg/L Individual Parameters by SM 2130 B Turbidity <0.05	5.0		250	02/15/2021 09:50	MKł
Chloride11mg/LSulfate28mg/LIndividual Parameters by SM 2130 BVTurbidity<0.05		1	250		
Sulfate 28 mg/L Individual Parameters by SM 2130 B Turbidity <0.05		1	250		
Individual Parameters by SM 2130 B Turbidity <0.05	5.0		200	02/12/2021 13:59	DTN
Turbidity <0.05 NTU Individual Parameters by SM 2320 B Alkalinity, Total as CaCO3 80 mg/L		1	250	02/12/2021 13:59	DTN
Individual Parameters by SM 2320 B Alkalinity, Total as CaCO3 80 mg/L					
Alkalinity, Total as CaCO3 80 mg/L	0.05	1	1	02/11/2021 15:53	RLC
	10	1		02/19/2021 11:11	RLC
Individual Parameters by SM 4500-P E					
Orthophosphate, as P 0.74 mg/L	0.025	1		02/11/2021 16:00	RLC
Metals by EPA 200.7					
Aluminum, Total 0.016 mg/L	0.010	1	0.20	02/15/2021 09:50	MKł
Metals by EPA 200.8					
Copper, Total 0.023 mg/L	0.0010	1	1.30	02/12/2021 08:17	MKł
Lead, Total <0.0010 mg/L	0.0010	1	0.0150	02/12/2021 08:17	MKI
Zinc, Total <0.0040 mg/L	0.0040	1	5	02/12/2021 08:17	MK



Lab ID: Sample ID: Description:	3675010002 5121 Morrish WSSN: 6505			te Collected: te Received:		/2021 07:1 /2021 13:4				Drinking Water (Pota Becca B.	able)
Parameter		Result Q	ual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated P	arameters by SM	2340 B									
Hardness, Calc	ium as CaCO3	100	mg/L		1.0		1			02/15/2021 09:50	МКК
Hardness, Mag	nesium as CaCO3	32	mg/L		1.0		1			02/15/2021 09:50	MKK
Hardness, Tota	l as CaCO3	130	mg/L		1.0		1			02/15/2021 09:50	MKK
Individual Pa	rameters by EPA	300.0									
Chloride		11	mg/L		5.0		1		250	02/12/2021 14:42	DTM
Sulfate		28	mg/L		5.0		1		250	02/12/2021 14:42	DTN
Individual Pa	rameters by SM 2	2130 B									
Turbidity		<0.05	NTU		0.05		1		1	02/11/2021 15:53	RLC
Individual Pa	rameters by SM 2	2320 B									
Alkalinity, Total	as CaCO3	70	mg/L		10		1			02/19/2021 11:11	RLC
Individual Pa	irameters by SM 4	4500-P E									
Orthophosphate	e, as P	0.79	mg/L	C	0.025		1			02/11/2021 16:00	RLC
Metals by EP	A 200.7										
Aluminum, Tota	I	0.025	mg/L	(0.010		1		0.20	02/15/2021 09:50	MKK
Metals by EP	A 200.8										
Copper, Total		0.0024	mg/L	0.	0010		1		1.30	02/12/2021 08:17	MKK
Lead, Total		<0.0010	mg/L	0.	0010		1		0.0150	02/12/2021 08:17	MKł
Zinc, Total		<0.0040	mg/L	0.	0040		1		5	02/12/2021 08:17	MKł



Sample ID:	3675010003 4061 Elms WSSN: 6505		Date Collected: Date Received:	02/11/2021 07:50 02/11/2021 13:46			Matrix: Collector:		Drinking Water (Potable) Becca B.		
Parameter		Result Q	ual Unit		RL	MDL	DF	Min	Мах	Analyzed	Ву
Calculated Par	rameters by SM	2340 B									
Hardness, Calciur	m as CaCO3	89	mg/L		1.0		1			02/15/2021 09:50	MKK
Hardness, Magne	sium as CaCO3	33	mg/L		1.0		1			02/15/2021 09:50	MKK
Hardness, Total a	is CaCO3	120	mg/L		1.0		1			02/15/2021 09:50	MKK
Individual Para	ameters by EPA	300.0									
Chloride		11	mg/L		5.0		1		250	02/12/2021 14:57	DTM
Sulfate		28	mg/L		5.0		1		250	02/12/2021 14:57	DTM
Individual Para	ameters by SM 2	2130 B									
Turbidity		<0.05	NTU	(0.05		1		1	02/11/2021 15:53	RLC
Individual Para	ameters by SM 2	2320 B									
Alkalinity, Total as	s CaCO3	70	mg/L		10		1			02/19/2021 11:11	RLC
Individual Para	ameters by SM 4	1500-P E									
Orthophosphate, a	as P	0.75	mg/L	0.	025		1			02/11/2021 16:00	RLC
Metals by EPA	200.7										
Aluminum, Total		0.071	mg/L	0.	010		1		0.20	02/15/2021 09:50	MKK
Metals by EPA	200.8										
Copper, Total		<0.0010	mg/L	0.0	010		1		1.30	02/12/2021 08:17	MKK
Lead, Total		<0.0010	mg/L	0.0	010		1		0.0150	02/12/2021 08:17	MKK
Zinc, Total		<0.0040	mg/L	0.0	040		1		5	02/12/2021 08:17	MKK



Paragon Water Quality Parametas TYMP of free turn! TIME Date 5121 Marmst 10.2 7.8 12 .2 3: 754m 3-11-21 8083 Civic 14,5 7.5 ,3 .4 8:50 an 3-11-21 .3 9:15 Am 3-11-21 4061 ET m5 14 7.5 . 3



Thursday, March 18, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 368045 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5622.

Sincerely,

Muanna D Ball

Breanna Bell Account Coordinator



GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3680450001	5121 Morrish	WSSN: 6505	D	03/11/2021 08:35	03/11/2021 11:00	Sandford
3680450002	4061 Elms	WSSN: 6505	D	03/11/2021 09:15	03/11/2021 11:00	Sandford
3680450003	8083 Civic	WSSN: 6505	D	03/11/2021 08:50	03/11/2021 11:00	Sandford



Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice with an average temperature of 4.0 °C on 03/11/2021.



Lab ID: 3680450001 Sample ID: 5121 Morrish Description: WSSN: 6505				Date Collected: Date Received:	03/11/2021 08:35 03/11/2021 11:00			Matrix: Collector:		Drinking Water (Potable) Jay Sandford	
Parameter		Result C	}ual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Para	meters by SM 2	340 B		····							
Hardness, Calcium	as CaCO3	98	mg/L		1.0		1			03/17/2021 10:01	МКК
Hardness, Magnesi	um as CaCO3	30	mg/L		1.0		1			03/17/2021 10:01	МКК
Hardness, Total as	CaCO3	130	mg/L		1.0		1			03/17/2021 10:01	MKK
Individual Paran	neters by EPA 3	300.0									
Chloride		12	mg/L		5.0		1		250	03/12/2021 09:47	DTM
Sulfate		28	mg/L		5.0		1		250	03/12/2021 09:47	DTM
Individual Paran	neters by SM 2 [,]	130 B									
Turbidity		<0.05	NTU		0.05		1		1	03/12/2021 10:20	RLC
Individual Paran	neters by SM 2	320 B									
Alkalinity, Total as (CaCO3	80	mg/L		10		1			03/17/2021 13:50	RLC
Individual Paran	neters by SM 4	500-P E									
Orthophosphate, as	s P	0.72	mg/L		0.025		1			03/11/2021 17:00	RLC
Metals by EPA 2	200.7										
Aluminum, Total		0.047	mg/L		0.010		1		0.20	0 03/17/2021 10:01	МКК
Metals by EPA 2	200.8										
Copper, Total		0.0022	mg/L	C	.0010		1		1.3	0 03/17/2021 10:13	MKK
Lead, Total		<0.0010	mg/L	C	.0010		1		0.015	0 03/17/2021 10:13	MKK
Zinc, Total		<0.0040	mg/L	C	.0040		1			5 03/17/2021 10:13	MK



Lab ID: 3680450002 Sample ID: 4061 Elms Description: WSSN: 6505				Date Collected: Date Received:	03/11/2021 09:15 03/11/2021 11:00			Matrix: Collector:		Drinking Water (Potable) Jay Sandford	
Parameter		Result	Qual Uni	ŧ	RL	MDL	DF	Min	Мах	Analyzed	Ву
Calculated Para	ameters by SM	2340 B									
Hardness, Calciun	n as CaCO3	79	mg/l	-	1.0		1			03/17/2021 10:01	МКК
Hardness, Magnes	sium as CaCO3	31	mg/l	-	1.0		1			03/17/2021 10:01	МКК
Hardness, Total as	s CaCO3	110	mg/l	-	1.0		1			03/17/2021 10:01	МКК
Individual Para	meters by EPA	A 300.0									
Chloride		12	mg/	-	5.0		1		250	03/12/2021 10:42	DTN
Sulfate		31	mg/	-	5.0		1		250	03/12/2021 10:42	DTN
Individual Para	meters by SM	2130 B									
Turbidity		<0.05	NTU	1	0.05		1		1	03/12/2021 10:20	RLC
Individual Para	ameters by SM	2320 B									
Alkalinity, Total as	s CaCO3	80	mg/	L	10		1			03/17/2021 13:50	RLC
Individual Para	ameters by SM	4500-P E									
Orthophosphate, a	as P	0.78	mg/	L	0.025		1			03/11/2021 17:00	RLC
Metals by EPA	200.7										
Aluminum, Total		0.10	mg/	L	0.010		1		0,20	03/17/2021 10:01	MKI
Metals by EPA	200.8										
Copper, Total		0.0010	mg/	L C	.0010		1		1.30	0 03/17/2021 10:13	MKI
Lead, Total		<0.0010	mg/	L C	.0010		1		0.0150	0 03/17/2021 10:13	MK
Zinc, Total		<0.0040	mg/		.0040		1		ŧ	5 03/17/2021 10:13	мк



Lab ID: 3680450003 Sample ID: 8083 Civic Description: WSSN: 6505		Date Collected Date Received		/2021 08:5 /2021 11:0				Drinking Water (Pota Jay Sandford	iple)
Parameter	Result Q	ual Unit	RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SI	VI 2340 B								
Hardness, Calcium as CaCO3	81	mg/L	1.0		1			03/17/2021 10:01	MKł
Hardness, Magnesium as CaCO3	31	mg/L	1.0		1			03/17/2021 10:01	MKł
Hardness, Total as CaCO3	110	mg/L	1.0		1			03/17/2021 10:01	MKł
Individual Parameters by EP	A 300.0								
Chloride	12	mg/L	5.0		1		250	03/12/2021 11:00	DTN
Sulfate	32	mg/L	5.0		1		250	03/12/2021 11:00	DTN
Individual Parameters by SN	I 2130 B								
Turbidity	<0.05	NTU	0.05		1		1	03/12/2021 10:20	RL
Individual Parameters by SN	2320 B								
Alkalinity, Total as CaCO3	80	mg/L	10		1			03/17/2021 13:50	RL
Individual Parameters by SM	14500-P E								
Orthophosphate, as P	0.74	mg/L	0.025		1			03/11/2021 17:00	RL
Metals by EPA 200.7									
Aluminum, Total	0.034	mg/L	0.010		1		0.20	03/17/2021 10:01	MK
Metals by EPA 200.8									
Copper, Total	0.035	mg/L	0.0010		1		1.30	03/17/2021 10:13	MK
Lead, Total	<0.0010	mg/L	0.0010		1		0.0150	03/17/2021 10:13	Mł
Zinc, Total	0.0056	mg/L	0.0040		1		5	03/17/2021 10:13	Mł





USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ41656
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10101808_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL OAKVIE,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:50
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ing

TEST	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			01/20/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Results: Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found							

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ41657
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10101808_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL DRAGON	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:35
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monitoring	

TEST	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			01/20/202 [,]	1	SM 9223 B	ТС-00-В
Explanation of Coliform Results: Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform was found and E. coli bacteria was not found EC Positive = Coliform and E. Coli bacteria were found							

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ41658
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10101808_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL CRAP,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:11
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ing

TEST	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			01/20/202 [,]	1	SM 9223 B	ТС-00-В
Explanation of Coliform Results: Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found							

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

1-4-2021

WSSN 6505

FREE CHLORINE RESIDUAL TEST

		TOTAL	FREE
	5121 MORRISH ROAD	9,0	3192
	ELMS RD. ELEMENTARY	05	0.5
-	8240 MILLER ROAD	\sim	
	8083 CIVIC DRIVE	<u>().3</u>	0.3

Rotanne 132-0019

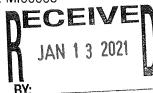
1-19-2021

	TOTAL	FREE
MIDDLE SCHOOL	03	0.3
HIGH SCHOOL	0,5	0.5
SYRING SCHOOL	0.3	0,3
3462 DYE BOADMIA		×~



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562



Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ39676 Work Order: 10100108 02

GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
ROD	Site Code:		
//	Collector:	Other	
Genesee	Date Collected:	01/04/2021	09:00
KITCHEN SINK	Date Received:	01/05/2021	07:47
Treated Public Distribution System	Purpose:	Routine Monito	oring
	5121 MORRISH RD,SWARTZ CREEK ROD // Genesee KITCHEN SINK	5121 MORRISH RD,SWARTZ CREEKSource:RODSite Code://Collector:GeneseeDate Collected:KITCHEN SINKDate Received:	5121 MORRISH RD,SWARTZ CREEKSource:TYPE IIIRODSite Code://Collector:OtherGeneseeDate Collected:01/04/2021KITCHEN SINKDate Received:01/05/2021

TES	FING INFORM	IATION			REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 m	L Not Dete	cted		01/05/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform Results: Explanation of Coliform Results: EC Positive = Coliform and E.					oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ39677 Work Order: 10100108_03

JAN 1 3 202

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	ELM RD ELEMENTARY, SWARTZ CREI	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	01/04/2021	09:30
Sample Point:	KITCHEN SINK	Date Received:	01/05/2021	07:47
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTI	NG INFORMAT	ON			REG	ULATORY INFC	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		01/05/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positiv	e = Total Co	oliform <u>was</u>		were not found oli bacteria <u>was</u> vere found		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ39675 Work Order: 10100108 01

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR,SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	01/04/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	01/05/2021	07:47
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TEST	ING INFORMAT	ION			REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	Not Detecte	d		01/05/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Positi	ve = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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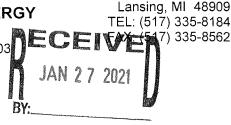
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> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) Report Created on: 1/7/2021 1:27:55PM By authority of PA 368 of 1978 as amended



USEPA Region V Drinking Water Cert. No. MI00003



Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ41658 Work Order: 10101808_03

P.O. Box 30270

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:		
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL CF	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:11
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TESTING INFORMATION					REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			01/20/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positiv	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

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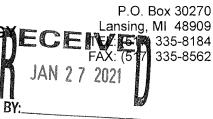
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RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003



Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ41657 Work Order: 10101808_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL DRAC	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:35
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTING INFORMATION					REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			01/20/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform 1	Results: Positive	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

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> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ41656 Work Order: 10101808_01

System Name/Owner: Collection Address:	GENESEE CO WATER SYSTEM SYRING ELEMENTARY SCHOOL OAK ¹	WSSN/Pool ID: Source:	6505 TYPE III	
Collected By:	ROD	Site Code:	1 [] 111	
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	01/19/2021	09:50
Sample Point:	KITCHEN SINK	Date Received:	01/20/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTI	NG INFORMATI	ON			REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		01/20/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform 1	Results: Positiv	e = Total C	oliform <u>was i</u>	E. coli bacteria <u>found</u> and E. cc Coli bacteria w	oli bacteria <u>was</u>		

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		WITT	ER QUMITU	PINZAWIETT	MS
	рH	TEMP	FREE	Tott	TIME (DIATE: 7/15/2021
5121 MURRISH	7.9	26°C	.2	.2	9:40 AM
3083 CIVIC	7.8	nr°c	3	3	9:50 AM
IOLEI EUMS	7.1	2100	,ц	.4	10:15 MM
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Wednesday, July 28, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 370849

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3708490001	5121 Morrish	WSSN; 6505	D	07/15/2021 09:40	07/15/2021 12:30	B. Becca
3708490002	8083 Civic	WSSN; 6505	D	07/15/2021 09:50	07/15/2021 12:30	B. Becca
3708490003	4061 Elms	WSSN; 6505	D	07/15/2021 10:15	07/15/2021 12:30	B. Becca



WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

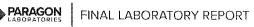
Samples were received on natural ice with an average temperature of 0.6°C on July 15, 2021.

Analysis Results Narrative 3708490003 - 4061 Elms - Aluminum, Total H[Result (or RL) is above Max limit.

Lab ID: 3708490001 Sample ID: 5121 Morrish Description: WSSN; 6505			Date Collected: Date Received:			Drinking Water, Pot Becca B.	Drinking Water, Potable (D) Becca B.		
Parameter	Result Q	ual Unit	······	RL	MDL	DF	Min Max	Analyzed	By
Calculated Parameters by SM 234	0 B							с. М	
Hardness, Calcium as CaCO3	69	mg/L		1.0		1		07/21/2021 11:28	JPG
Hardness, Magnesium as CaCO3	30	mg/L		1.0		1		07/21/2021 11:28	JPG
Hardness, Total as CaCO3	99	mg/L		1.0		1		07/21/2021 11:28	JPG
Individual Parameters by EPA 300).0								
Chloride	11	mg/L		5.0		1	250	07/19/2021 14:54	DTM
Sulfate	25	mg/L		5.0		1	250	07/19/2021 14:54	DTM
Individual Parameters by SM 2130) B								
Turbidity	0.11	NTU	. (0.05		1	1	07/16/2021 07:15	DTM
Individual Parameters by SM 2320) B								
Alkalinity, Total as CaCO3	70	mg/L		10		1		07/16/2021 10:53	CTJ
Individual Parameters by SM 4500)-P E								
Orthophosphate, as P	0.63	mg/L	0.	.025		1		07/15/2021 16:17	JKP
Metals by EPA 200.7									
Aluminum, Total	0.13	mg/L	0.	.010		1	0.20	07/21/2021 11:28	JPG
Metals by EPA 200.8									
Copper, Total	0.0022	mg/L	0.0	010		1	1.30	07/27/2021 14:08	DTM
Lead, Total	<0.0010	mg/L	0.0	010		1	0.0150	07/27/2021 14:08	DTM
Zinc, Total	< 0.0040	mg/L	0.0	040		1	5	07/27/2021 14:08	DTM

Lab ID: 3708490 Sample ID: 8083 Civ Description: WSSN; (ic		Date Collected: Date Received:		2021 09:50 2021 12:30		Matrix: Collector:		Drinking Water, Pota Becca B.	ble (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min Ma	ax	Analyzed	By
Calculated Parameters	oy SM 2340 B		in a start and a	•				1.1.1		
Hardness, Calcium as CaC	03 67	mg/L		1.0		1			07/21/2021 11:40	JPG
Hardness, Magnesium as (aCO3 30	mg/L		1.0		1			07/21/2021 11:40	JPG
Hardness, Total as CaCO3	98	mg/L		1.0		1			07/21/2021 11:40	JPG
Individual Parameters b	y EPA 300.0									
Chloride	11	mg/L		5.0		1	2	50	07/19/2021 15:12	DTM
Sulfate	25	mg/L		5.0		1	2	50	07/19/2021 15:12	DTM
Individual Parameters b	y SM 2130 B									
Turbidity	0.14	NTU		0.05		1		1	07/16/2021 07:15	DTM
Individual Parameters b	y SM 2320 B									
Alkalinity, Total as CaCO3	50	mg/L		10		1			07/16/2021 10:53	CTJ
Individual Parameters b	y SM 4500-P E									
Orthophosphate, as P	0.61	mg/L	(0.025		1			07/15/2021 16:17	JKP
Metals by EPA 200.7										
Aluminum, Total	0.095	mg/L	(0.010		1	0.	.20	07/21/2021 11:40	JPG
Metals by EPA 200.8										
Copper, Total	0.030	mg/L	0.	0010		1	1.	.30	07/27/2021 14:08	DTM
Lead, Total	<0.0010	mg/L	0.	.0010		1	0.01	150	07/27/2021 14:08	DTM
Zinc, Total	<0.0040	mg/L		0040				5	07/27/2021 14:08	DTM

Sample ID: 40	708490003 061 Elms /SSN; 6505			Date Collected: Date Received:		2021 10:15 2021 12:30		Matrix: Collector:		Drinking Water, Potable (D) Becca B.	
Parameter	Res	ult Qual	Unit		RL	MDL	DF	Min	Мах	Analyzed	By
Calculated Paran	neters by SM 2340 B								;	· · ·	****
Hardness, Calcium	as CaCO3	66	mg/L		1.0		1			07/21/2021 11:43	JPG
Hardness, Magnesi	um as CaCO3	31	mg/L		1.0		1			07/21/2021 11:43	JPG
Hardness, Total as	CaCO3	97	mg/L		1.0		1			07/21/2021 11:43	JPG
Individual Paramo	eters by EPA 300.0										
Chloride		11	mg/L		5.0		1		250	07/19/2021 15:31	DTM
Sulfate		24	mg/L		5.0		1		250	07/19/2021 15:31	DTM
Individual Parame	eters by SM 2130 B										
Turbidity	0.	14	NTU		0.05		1		1	07/16/2021 07:15	DTM
Individual Parame	eters by SM 2320 B										
Alkalinity, Total as (CaCO3	70	mg/L		10		1			07/16/2021 10:53	CTJ
Individual Parame	eters by SM 4500-P E										
Orthophosphate, as	P 0.	77	mg/L		0.025		1			07/15/2021 16:17	JKP
Metals by EPA 20	0 0.7										
Aluminum, Total	0.	42 *	mg/L		0.010		1		0.20	07/21/2021 11:43	JPG
Metals by EPA 20	0.8										
Copper, Total	<0.00	10	mg/L	0.	.0010		1		1.30	07/27/2021 14:08	DTM
Lead, Total	<0.00	10	mg/L	0.	.0010		1	0	.0150	07/27/2021 14:08	DTM
Zinc, Total	<0.00	10	mg/L	<u>_</u>	.0040				5	07/27/2021 14:08	DTM



7-6-21

WSSN 6505

FREE CHLORINE RESIDUAL TEST

	TOTAL	FREE
5121 MORRISH ROAD	015	05
ELMS RD. ELEMENTARY	0,2	912
-8240-MILLER ROAD	\sim	\sim
8083 CIVIC DRIVE	0.5	0.5

Rotanne 732-0079

Potra Noolon

7-19-21

	TOTAL	FREE
MIDDLE SCHOOL	03	0.3
HIGH SCHOOL	013	0.3
SYRING SCHOOL	015	05
-3462 DYE ROAD MTA-	$\sim \sim \sim$	~~
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P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ65119 Work Order: 10700470_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:		Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	07/06/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	07/07/2021	08:01
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTING INFORMATION						REGULATORY INFORMATION		
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detecte	ed		07/07/20	21	SM 9223 B	TC-00-B	
Explanation of Coliform F	Results: Posit	tive = Total Co	liform was	E. coli bacteria found and E. co . Coli bacteria v	oli bacteria <u>was</u>			

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ65120 Work Order: 10700470_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	ELMS RD ELEMENTARY SCHOOL, SW.	Source:	TYPE III	
Collected By:		Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	07/06/2021	09:22
Sample Point:	KITCHEN SINK	Date Received:	07/07/2021	08:01
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTING INFORMATION						REGULATORY INFORMATION			
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #		
Coliform Organisms per 100 mL	Not Detected	0.000		07/07/202	21	SM 9223 B	TC-00-B		
Explanation of Coliform R	esults: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria found and E. co Coli bacteria y	oli bacteria <u>was</u>				

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141–143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

AL: Action Level MPN: Not Detected: Not detected at or above the reporting limit (RL)

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ65121 Work Order: 10700470_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	07/06/2021	09:05
Sample Point:	KITCHEN SINK	Date Received:	07/07/2021	08:01
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTIN	REG	REGULATORY INFORMATION					
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			07/07/20	21	SM 9223 B	TC-00-B
Explanation of Coliform Re	esults: Positive	e = Total Co	liform was		were not found oli bacteria <u>was</u> were found		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL) By authority of PA 368 of 1978 as amended Rep



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report.

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ67439 Work Order: 10702061_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:	119 e m	
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	07/19/2021	09:30
Sample Point:	KITCHEN SINK	Date Received:	07/20/2021	08:45
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TES	TING INFORMATIO	DN .			RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			07/20/202	Ú.	SM 9223 B	TC-00-B
Explanation of Coliforni Re	orm <u>was fou</u>	oli bacteria were r nd and E. coli bact li bacteria were fo	éria was not l'ou	nd			

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL). By authority of PA 368 of 1978 as amended mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Martene Kane

Report Created on: 7/22/2021 8:36:48AM



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ67440 Work Order: 10702061_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID	6505		
Collection Address:	SYRING ELEMENTARY SCHOOL, SWARTZ	Source:	TYPE III		
Collected By:	ROD	Site Code:			
Township/Well#/Section	11	Collector:	Other		
County:	Genesee	Date Collected:	07/19/2021	09:10	
Sample Point:	KITCHEN SINK	Date Received:	07/20/2021	08:45	
Water System:	Treated Public Distribution System	Purpose:	Routine Monitoring		

TES	TING INFORMATIO	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			07/20/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	sults: Positive	e = Total Colif	orm was fou	oli bacteria were nd and E. coli bac li bacteria were fo	teria <u>was not fo</u> u	ind	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL)

By authority of PA 368 of 1978 as amended

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ67441 Work Order: 10702061_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SWAR	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section	//	Collector	Other	
County:	Genesee	Date Collected:	07/19/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	07/20/2021	08:45
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TES	TING INFORMATIO	NC		I	RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			07/20/202	1	SM 9223 B	TC-00-B
Explanation of Coliform Re	sults: Positiv	e = Total Colif	orm was fou	oli bacteria were nd and E, coli bac li bacteria were fo	teria <u>was not fou</u>	nd	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL)

By authority of PA 368 of 1978 as amended

mg/L. milligrams / Liter (ppm) ng/L. nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

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BERCH C/24/2 PH TEMP FREE TOTHL TIME 5121 MORASH 7.9 18.5°C .2 .2 8:15AM 50083 CIVIC 7.8 19.5°C .3 9:50 AM									
pH TEMP FREE TOTHL TIME 5121 MORASH 7.9 18.5°C .2 .2 8:15AM 5023 LIVIC 7.8 19.5°C .3 9:50 AM									
5721 MORASH 7.9 18.5°C .2 .2 8:15AM 1083 LIVIC 7.8 19.5°C .3 3 9:50 AM		PH	Temp	Frez	TOTAL		11 11 11		
1033 (IVIC 7.8 19.5° .3 .3 9:50 AM	TZI MORRASH				. 2				
ийа Euws ЛЛ 14.2°с ц ц ЧУЗ лип		<u>1.3</u>				9:50 AM			
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Tuesday, June 29, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369973

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3699730001	5121 Morrish	WSSN: 6505	D	06/10/2021 08:40	06/10/2021 13:49	REBECC
3699730002	4061 Elms	WSSN: 6505	D	06/10/2021 09:20	06/10/2021 13:49	REBECC
3699730003	8083 Civic	WSSN: 6505	D	06/10/2021 09:00	06/10/2021 13:49	REBECC



WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 1.9°C on June 10, 2021.

Analysis Results Narrative

3699730001 - 5121 Morrish - Turbidity T|Sample received and/or test analyzed after recommended maximum holding time.

3699730002 - 4061 Elms - Aluminum, Total

HIResult (or RL) is above Max limit. 3699730002 - 4061 Elms - Turbidity

T|Sample received and/or test analyzed after recommended maximum holding time. 3699730003 - 8083 Civic - Turbidity

TISample received and/or test analyzed after recommended maximum holding time.

Lab ID: 369973 Sample ID: 5121 M Description: WSSN	lorrish				/2021 08:40 /2021 13:49				Drinking Water, Pota REBECCA	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameter	s by SM 2340 B									
Hardness, Calcium as Ca	CO3 72	mg/L		1.0		1			06/16/2021 13:53	JPG
Hardness, Magnesium as	CaCO3 32	mg/L		1.0		1			06/16/2021 13:53	JPG
Hardness, Total as CaCC	03 100	mg/L		1.0		1			06/16/2021 13:53	JPG
Individual Parameters	by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	06/18/2021 06:59	DTM
Sulfate	23	mg/L		5.0		1		250	06/18/2021 06:59	DTM
Individual Parameters	by SM 2130 B									
Turbidity	0.22	* NTU	(0.05		1		1	06/22/2021 09:50	JKP
Individual Parameters	by SM 2320 B									
Alkalinity, Total as CaCO	3 70	mg/L		10		1			06/17/2021 07:26	JKP
Individual Parameters	by SM 4500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			06/11/2021 11:00	MSH
Metals by EPA 200.7										
Aluminum, Total	0.060	mg/L	0.	.010		1		0.20	06/16/2021 13:53	JPG
Metals by EPA 200.8										
Copper, Total	0.0026	mg/L	0.0	010		1		1.30	06/28/2021 10:57	DTM
Lead, Total	<0.0010	mg/L	0.0	010		1		0.0150	06/28/2021 10:57	DTM
Zinc, Total	<0.0040	mg/L	0.0	040		1		E	6 06/28/2021 10:57	DTM

Lab ID: 36997 Sample ID: 4061 E Description: WSSN	Ims		Date Collected: Date Received:)/2021 09:20)/2021 13:49		Ma Colle	atrix: ector:	Drinking Water, Pota REBECCA	ible (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameter	s by SM 2340 B									
Hardness, Calcium as Ca	CO3 70	mg/L		1.0		1			06/16/2021 13:40	JPG
Hardness, Magnesium a	CaCO3 33	mg/L		1.0		1			06/16/2021 13:40	JPG
Hardness, Total as CaCO	03 100	mg/L		1.0		1			06/16/2021 13:40	JPG
Individual Parameters	by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	06/18/2021 07:59	DTM
Sulfate	23	mg/L		5.0		1		250	06/18/2021 07:59	DTM
Individual Parameters	by SM 2130 B									
Turbidity	0.22	* NTU		0.05		1		1	06/22/2021 09:50	JKP
Individual Parameters	by SM 2320 B									
Alkalinity, Total as CaCO	3 70	mg/L		10		1			06/17/2021 07:26	JKP
Individual Parameters	by SM 4500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			06/11/2021 11:00	MSH
Metals by EPA 200.7										
Aluminum, Total	0.35	* mg/L		0.10		10		0.20	06/16/2021 13:40	JPG
Metals by EPA 200.8										
Copper, Total <0.0010		mg/L	0.0	0010		1		1.30	06/28/2021 10:57	DTM
Lead, Total	<0.0010	mg/L	0.0	0010		1		0.0150	06/28/2021 10:57	DTM
Zinc, Total <0.0040		mg/L	0.0	0040		1		5	06/28/2021 10:57	DTM

Parameter Result Qual Unit RL MDL		Collector:	REBECCA	able (D)
Parameter Result Qual Unit RL MDL	DF	Min Max	Analyzed	By
Calculated Parameters by SM 2340 B				
Hardness, Calcium as CaCO3 70 mg/L 1.0	1		06/16/2021 13:43	JPG
Hardness, Magnesium as CaCO3 32 mg/L 1.0	1		06/16/2021 13:43	JPG
Hardness, Total as CaCO3 100 mg/L 1.0	1		06/16/2021 13:43	JPG
Individual Parameters by EPA 300.0				
Chloride 11 mg/L 5.0	1	250	06/18/2021 08:17	DTM
Sulfate 23 mg/L 5.0	1	250	06/18/2021 08:17	DTM
Individual Parameters by SM 2130 B				
Turbidity 0.21 * NTU 0.05	1	1	06/22/2021 09:50	JKP
Individual Parameters by SM 2320 B				
Alkalinity, Total as CaCO3 70 mg/L 10	1		06/17/2021 07:26	JKP
Individual Parameters by SM 4500-P E				
Orthophosphate, as P <2.5 mg/L 2.5	10		06/11/2021 11:00	MSH
Metals by EPA 200.7				
Aluminum, Total 0.072 mg/L 0.010	1	0.20	06/16/2021 13:43	JPG
Metals by EPA 200.8				
Copper, Total 0.028 mg/L 0.0010	1	1.30	06/28/2021 10:57	DTM
Lead, Total <0.0010 mg/L 0.0010	1	0.0150	06/28/2021 10:57	DTM
Zinc, Total <0.0040 mg/L 0.0040	1	5	6 06/28/2021 10:57	DTM

6-7-21

WSSN 6505

FREE CHLORINE RESIDUAL TEST

	TOTAL	FREE
5121 MORRISH ROAD	0,5	0,5
ELMS RD. ELEMENTARY	0,5-	0,5
 8240 MILLER ROAD		
8083 CIVIC DRIVE	015	0.5
	Contraction and the second	And the second design of the

t

Rotanne 132-0019

4-21-21

	TOTAL	
MIDDLE SCHOOL	-	0.3
HIGH SCHOOL	0.3	0.3
SYRING SCHOOL	03	0.3
3462 DYE ROAD MITA		
	According to the second s	



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ59562 Work Order: 10600840_01

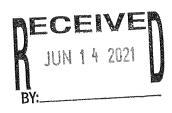
System Name/Owner: Collection Address:	GENESEE CO WATER SYSTEM 5121 MORRISH RD,SWARTZ CREEK	WSSN/Pool ID: Source:	6505 TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/07/2021	10:20
Sample Point:	KITCHEN SINK	Date Received:	06/08/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TESTING INFORMATION					REGULATORY INFORMATION			
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100 mL	Not Detecte	d		06/08/202	21	SM 9223 B	ТС-00-В	
Not Detected = Coliform and E. coli bacteria were not found								
Explanation of Coliform 1	Results: Positi	Positive = Total Coliform was found and E. coli bacteria was not found						
-	EC P	EC Positive = Coliform and E. Coli bacteria were found						

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

By authority of PA 368 of 1978 as amended

Not Detected: Not detected at or above the reporting limit (RL)

ng/L: nanograms / Liter (ppt) MPN: Most Probable Number

mg/L: milligrams / Liter (ppm)

CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Report Created on: 6/9/2021 1:36:46PM

Page 1 of 1



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ59563 Work Order: 10600840_02

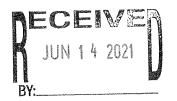
System Name/Owner: Collection Address:	GENESEE CO WATER SYSTEM ELM RD ELEMENTARY SCHOOL,SWA	WSSN/Pool ID: Source:	6505 TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/07/2021	10:38
Sample Point:	KITCHEN SINK	Date Received:	06/08/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TESTING INFORMATION					REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	ł		06/08/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform l	Results: Positiv	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level

By authority of PA 368 of 1978 as amended

Not Detected: Not detected at or above the reporting limit (RL)

mg/L: milligrams / Liter (ppm)

ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ59564 Work Order: 10600840 03

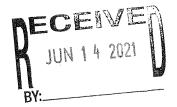
System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/07/2021	10:55
Sample Point:	KITCHEN SINK	Date Received:	06/08/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring
2		'		-

TE	STING INFOR	MATION			REG	ULATORY INFO	DRMATION	
Analyte Name	Resu	lt Units	RL	Date Tested	MCL/AL	Method	CAS #	
Coliform Organisms per 100	mL Not Det	ected		06/08/202	21	SM 9223 B	ТС-00-В	
		Not Detected $= Co$	oliform and	E. coli bacteria	were not found	1		
Explanation of Coliform Results: Positive = Total Coliform was found and E. coli bacteria was not found								
-		EC Positive = Coli	form and E	. Coli bacteria w	vere found			

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ62472 Work Order: 10602712_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/21/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	06/21/2021	11:14
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIC)N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			06/21/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	= Total Colif	òrm <u>was four</u>	bli bacteria were r <u>d</u> and E. coli bact i bacteria were fo	teria <u>was not for</u>	ınd	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ62472 Work Order: 10602712_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/21/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	06/21/2021	11:14
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIC	N			RE	GULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			06/21/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	sults: Positive	= Total Coli	form <u>was foun</u>	li bacteria were r <u>d</u> and E. coli bact i bacteria were fo	teria <u>was not fo</u> t	und	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ62473 Work Order: 10602712_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	06/21/2021	09:30
Sample Point:	KITCHEN SINK	Date Received:	06/21/2021	11:14
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATI	ON			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date ⊺ested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			06/21/202	1	SM 9223 B	ТС-00-В
	Not D	etected = Colif	form and E. c	oli bacteria were i	not found		
Explanation of Coliform Results: Positive = Total Coliform was found and E. coli bacteria was not found							
	EC Po	sitive = Colifor	rm and E. Co	li bacteria were fo	und		

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



Thursday, March 18, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 368045 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5622.

Sincerely,

Muanna D Bell

Breanna Bell Account Coordinator



GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3680450001	5121 Morrish	WSSN: 6505	D	03/11/2021 08:35	03/11/2021 11:00	Sandford
3680450002	4061 Elms	WSSN: 6505	D	03/11/2021 09:15	03/11/2021 11:00	Sandford
3680450003	8083 Civic	WSSN: 6505	D	03/11/2021 08:50	03/11/2021 11:00	Sandford



Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments: Samples were received chilled on natural ice with an average temperature of 4.0 °C on 03/11/2021.



Lab ID: Sample ID: Description:	3680450001 5121 Morrish WSSN: 6505			Date Collected: Date Received:		/2021 08:3 /2021 11:0				Drinking Water (Pota Jay Sandford	able)
Parameter		Result (Qual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Pa	rameters by SM	2340 B									
Hardness, Calciu	ım as CaCO3	98	mg/L		1.0		1			03/17/2021 10:01	MKK
Hardness, Magn	esium as CaCO3	30	mg/L		1.0		1			03/17/2021 10:01	MKK
Hardness, Total	as CaCO3	130	mg/L		1.0		1			03/17/2021 10:01	MKK
Individual Par	ameters by EPA	300.0									
Chloride		12	mg/L		5.0		1		250	03/12/2021 09:47	DTM
Sulfate		28	mg/L		5.0		1		250	03/12/2021 09:47	DTM
Individual Par	ameters by SM 2	2130 B									
Turbidity		<0.05	NTU		0.05		1		1	03/12/2021 10:20	RLC
Individual Par	ameters by SM 2	2320 B									
Alkalinity, Total a	as CaCO3	80	mg/L		10		1			03/17/2021 13:50	RLC
Individual Par	ameters by SM	4500-P E									
Orthophosphate,	as P	0.72	mg/L	(0.025		1			03/11/2021 17:00	RLC
Metals by EPA	A 200.7										
Aluminum, Total		0.047	mg/L	(0.010		1		0.20	03/17/2021 10:01	MKK
Metals by EPA	A 200.8										
Copper, Total		0.0022	mg/L	0.	0010		1		1.30	03/17/2021 10:13	MKK
Lead, Total		<0.0010	mg/L	0.	0010		1		0.0150	03/17/2021 10:13	MKK
Zinc, Total		<0.0040	mg/L	0.	0040		1		5	03/17/2021 10:13	MKK



Lab ID: 3680450002 Sample ID: 4061 Elms Description: WSSN: 6505		Date Collected: Date Received:		/2021 09:1! /2021 11:0(Drinking Water (Pota Jay Sandford	able)
Parameter	Result Qu	ual Unit	RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SM	2340 B								
Hardness, Calcium as CaCO3	79	mg/L	1.0		1			03/17/2021 10:01	MKł
Hardness, Magnesium as CaCO3	31	mg/L	1.0		1			03/17/2021 10:01	MKł
Hardness, Total as CaCO3	110	mg/L	1.0		1			03/17/2021 10:01	MKK
Individual Parameters by EPA	300.0								
Chloride	12	mg/L	5.0		1		250	03/12/2021 10:42	DTM
Sulfate	31	mg/L	5.0		1		250	03/12/2021 10:42	DTM
Individual Parameters by SM 2	130 B								
Turbidity	<0.05	NTU	0.05		1		1	03/12/2021 10:20	RLC
Individual Parameters by SM 2	320 B								
Alkalinity, Total as CaCO3	80	mg/L	10		1			03/17/2021 13:50	RLC
Individual Parameters by SM 4	500-P E								
Orthophosphate, as P	0.78	mg/L	0.025		1			03/11/2021 17:00	RLC
Metals by EPA 200.7									
Aluminum, Total	0.10	mg/L	0.010		1		0.20	03/17/2021 10:01	MKł
Metals by EPA 200.8									
Copper, Total	0.0010	mg/L 0	.0010		1		1.30	03/17/2021 10:13	MKK
Lead, Total	<0.0010	mg/L 0	.0010		1		0.0150	03/17/2021 10:13	MKł
Zinc, Total	<0.0040	mg/L 0	.0040		1		5	03/17/2021 10:13	MKI



Lab ID: Sample ID: Description:	3680450003 8083 Civic WSSN: 6505			te Collected: ate Received:		/2021 08:5 /2021 11:0				Drinking Water (Pota Jay Sandford	able)
Parameter		Result C	ual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Pa	arameters by SM	2340 B									
Hardness, Calci	um as CaCO3	81	mg/L		1.0		1			03/17/2021 10:01	MKK
Hardness, Magr	nesium as CaCO3	31	mg/L		1.0		1			03/17/2021 10:01	MKK
Hardness, Total	as CaCO3	110	mg/L		1.0		1			03/17/2021 10:01	MKK
Individual Pa	rameters by EPA	300.0									
Chloride		12	mg/L		5.0		1		250	03/12/2021 11:00	DTM
Sulfate		32	mg/L		5.0		1		250	03/12/2021 11:00	DTN
Individual Pa	rameters by SM 2	2130 B									
Turbidity		<0.05	NTU		0.05		1		1	03/12/2021 10:20	RLC
Individual Pa	rameters by SM 2	2320 B									
Alkalinity, Total	as CaCO3	80	mg/L		10		1			03/17/2021 13:50	RLC
Individual Pa	rameters by SM 4	4500-P E									
Orthophosphate	e, as P	0.74	mg/L	(0.025		1			03/11/2021 17:00	RLC
Metals by EP	A 200.7										
Aluminum, Total	I	0.034	mg/L	(0.010		1		0.20	03/17/2021 10:01	MKK
Metals by EP	A 200.8										
Copper, Total		0.035	mg/L	0.	0010		1		1.30	03/17/2021 10:13	MKK
Lead, Total		<0.0010	mg/L	0.	0010		1		0.0150	03/17/2021 10:13	MKK
Zinc, Total		0.0056	mg/L	0.	0040		1		5	03/17/2021 10:13	MKK



3-1-2021

WSSN 6505

FREE CHLORINE RESIDUAL TEST

		TOTAL	FREE
	5121 MORRISH ROAD	6.3	0.3
	ELMS RD. ELEMENTARY	0,5	0.5
and the second second	8240 MILLER ROAD		
	8083 CIVIC DRIVE	015	05

_ . . |

Rotanne 132-0079

Forted 15-21 45-21

3-15-21	TOTAL	FREE
MIDDLE SCHOOL	0,5	0,5
HIGH SCHOOL	0,5	0.5
SYRING SCHOOL	0,5	0.5
3462 DYE ROAD MTA		

.



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45919 Work Order: 10300096_01

GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
ROD	Site Code:		
11	Collector:	Other	
Genesee	Date Collected:	03/01/2021	08:45
KITCHEN SINK	Date Received:	03/02/2021	07:58
Treated Public Distribution System	Purpose:	Routine Monito	oring
	5121 MORRISH RD,SWARTZ CREEK ROD // Genesee	5121 MORRISH RD,SWARTZ CREEKSource:RODSite Code://Collector:GeneseeDate Collected:KITCHEN SINKDate Received:	5121 MORRISH RD,SWARTZ CREEKSource:TYPE IIIRODSite Code://Collector:OtherGeneseeDate Collected:03/01/2021KITCHEN SINKDate Received:03/02/2021

TESTI	NG INFORMATIO	DN		•	REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			03/02/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positive	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45921 Work Order: 10300096 03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:		
Collection Address:	ELMS RD ELEMENTARY SCHOOL ELN	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	03/01/2021	09:00
Sample Point:	KITCHEN SINK	Date Received:	03/02/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TEST	ING INFORM	NATION			REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Dete	cted		03/02/20	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: P	ot Detected = Co ositive = Total Co C Positive = Coli	oliform <u>was</u>	found and E. co	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ45920 Work Order: 10300096_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	03/01/2021	09:25
Sample Point:	KITCHEN SINK	Date Received:	03/02/2021	07:58
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TESTI	NG INFORMATIO	ON			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			03/02/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positive	e = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

> Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) RL: Reporting Limit ng/L: nanograms / Liter (ppt) MCL: Maximum Contaminant Level MPN: Most Probable Number AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) Report Created on: 3/3/2021 12:36:43PM By authority of PA 368 of 1978 as amended

CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ47686
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10301603_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	03/15/2021	13:15
Sample Point:	KITCHEN SINK	Date Received:	03/16/2021	08:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIO	N			RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL.	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			03/16/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	= Total Colif	orm <u>was fou</u>	oli bacteria were n <u>1d</u> and E. coli bact li bacteria were for	eria <u>was not fou</u>	nd	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ47687
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10301603_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL CRAP,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	03/15/2021	13:00
Sample Point:	KITCHEN SINK	Date Received:	03/16/2021	08:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ring

TES	TING INFORMATIC	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			03/16/202	1	SM 9223 B	⊤с-00-В
Explanation of Coliform Re	esults: Positive	= Total Colif	orm <u>was fou</u>	oli bacteria were i <u>1d</u> and E. coli bac li bacteria were fo	teria <u>was not fo</u> u	md	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ANDY HARRIS	Sample ID:	LJ47688
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10301603_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY OAKVIEW DR, SWA	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	03/15/2021	13:30
Sample Point:	KITCHEN SINK	Date Received:	03/16/2021	08:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ring

TES	TESTING INFORMATION Analyte Name Result Units RL Date Tested orm Organisms per 100 mL Not Detected 03/16/20				RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	1	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			03/16/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	= Total Colif	orm <u>was fou</u>	oli bacteria were i <u>1d</u> and E. coli bac li bacteria were fo	teria <u>was not fou</u>	ınd	

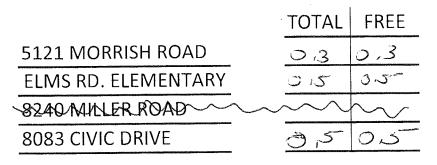
The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

5-10-2(

WSSN 6505

FREE CHLORINE RESIDUAL TEST



Rotanne 132-0079

5-24-21

	TOTAL	FREE
MIDDLE SCHOOL	03	0,3
HIGH SCHOOL	03	0.3
SYRING SCHOOL	0,5	0,5
3462 DYE ROAD MTA		



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ55226 Work Order: 10500950 01

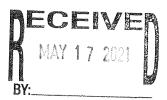
WSSN/Pool ID: 6505 GENESEE CO WATER SYSTEM System Name/Owner: TYPE III Collection Address: ELMS RD ELEMENTARY, SWARTZ CRI Source: Site Code: Collected By: ROD Township/Well#/Section: Collector: Other 11 Date Collected: 05/10/2021 09:20 County: Genesee 08:52 **KITCHEN SINK** Date Received: 05/11/2021 Sample Point: **Routine Monitoring** Purpose: Water System: Treated Public Distribution System

TESTING INFORMATION Analyte Name Result Units RL Date Tested Tested				REG	ULATORY INFO	RMATION	
Analyte Name	Result	Units	RL		MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	. Not Detect	ed		05/11/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Posi	tive = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ55227 Work Order: 10500950_02

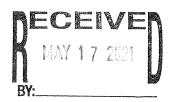
System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	05/10/2021	09:40
Sample Point:	KITCHEN SINK	Date Received:	05/11/2021	08:52
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring
-				

TESTING INFORMATION Date					REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 ml	L Not Detec	ted		05/11/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Po	sitive = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ55228 Work Order: 10500950_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:		
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	05/10/2021	09:00
Sample Point:	KITCHEN SINK	Date Received:	05/11/2021	08:52
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TESTING INFORMATION						ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		05/11/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Positi	ve = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

MAY 1 7 2021

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ANDY HARRIS
	8083 CIVIC DR
	SWARTZ CREEK MI 48473

Sample ID: LJ57430 Work Order: 10502503 01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL CRAP,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	05/24/2021	09:40
Sample Point:	KITCHEN SINK	Date Received:	05/25/2021	08:45
Water System:	Treated Public Distribution System	Purpose:	Routine Monitorin	g

TES	TING INFORMATIC	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			05/25/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	orm <u>was fou</u>	oli bacteria were n <u>nd</u> and E. coli bac li bacteria were fo	teria <u>was not fou</u>	nd		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003 P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ57431 Work Order: 10502503 02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL OAKVIE,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	05/24/2021	10:10
Sample Point:	KITCHEN SINK	Date Received:	05/25/2021	08:45
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	

TES	TING INFORMATIO	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL Not Detected				05/25/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	oli bacteria were : <u>nd</u> and E. coli bae li bacteria were fo	teria <u>was not fo</u> u	ind			

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. M100003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ANDY HARRIS 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ57432 Work Order: 10502503_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	05/24/2021	09:55
Sample Point:	KITCHEN SINK	Date Received:	05/25/2021	08:45
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TES	TING INFORMATIO	DN			RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			05/25/202	:1	SM 9223 B	TC-00-B
Explanation of Coliform Re	esults: Positiv	e = Total Colif	òrm <u>was fou</u>	oli bacteria were n nd and E. coli bac li bacteria were fo	teria <u>was not fou</u>	nd	

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

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	Parago	N Wa	her Qu	ality Rc	rameters		
	Terro Der		Le and	,	X	J.	
5721 Morrish		7.92			8:30am		
4061 Elms	15.100	7.91	•4	•4	9:50am	5-13-21	gang ga agg ang ang ang ang ang ang ang
8083 Civic	16.5°C	7,89	<u></u>	5	8:50am	5-13-2	/
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3259 Elms	16.2°C	7.98	, L		5	9:30nm	5-13-21
8230 Crape	16.3°C	7.96	ə 4		5	9'.15am	5-13-21
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		n dagabatan dalah jula dagabatan dagabatan pada dalam mata yang belan di sebad dagabatan dagabatan dagabatan d	n na mang na sang na sang na sang ng mang ng ma				
			a ga para a gang a panana sa nana a mana a mana nana mana ana ang	nadarana kang si sa fang dipan nga pama namina dimana kanakan kanakan dipang	nan sena sena per per barban per		anna thao an ipada ann innag shannor na an inn inn an an an
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							- 1999 I.



Wednesday, May 26, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369392 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Danyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3693920001	5121 Morrish	WSSN: 6505	D	05/13/2021 08:30	05/13/2021 12:50	Sandford
3693920002	4061 Elms	WSSN: 6505	D	05/13/2021 09:50	05/13/2021 12:50	Sandford
3693920003	8083 Civic	WSSN: 6505	D	05/13/2021 08:50	05/13/2021 12:50	Sandford

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

This report shall not be reproduced, except in full, without the written consent of Paragon Laboratories, Inc.



Sugar a

Lab ID: 369392 Sample ID: 5121 M Description: WSSN:	orrish		Date Collected: Date Received:		3/2021 08:30 3/2021 12:50		M Colle		Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	Ву
Calculated Parameters	by SM 2340 B									
Hardness, Calcium as Ca	CO3 69	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Magnesium as	CaCO3 30	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Total as CaCO	3 99	mg/L		1.0		1			05/21/2021 14:53	JPG
Individual Parameters	by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	05/15/2021 11:26	DTM
Sulfate	26	mg/L		5.0		1		250	05/15/2021 11:26	DTM
Individual Parameters	oy SM 2130 B									
Turbidity	0.08	NTU		0.05		1		1	05/14/2021 07:00	DTM
Individual Parameters	oy SM 2320 B									
Alkalinity, Total as CaCO3		mg/L		10		1			05/19/2021 15:43	JKP
Individual Parameters I	oy SM 4500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
Metals by EPA 200.7										
Aluminum, Total	0.014	mg/L	().010		1		0.20	05/21/2021 14:54	JPG
Metals by EPA 200.8										
Copper, Total	0.0021	mg/L	0.	0010		1		1.30	05/18/2021 11:14	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	05/18/2021 11:14	DTM
Zinc, Total	<0.0040	mg/L	0.	0040		1		5	05/18/2021 11:14	DTM



Lab ID: 3693920002 Sample ID: 4061 Elms Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:50 /2021 12:50			latrix: ector:	Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	By
Calculated Parameters by SM	2340 B					***************************************				
Hardness, Calcium as CaCO3	67	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Magnesium as CaCO3	29	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Total as CaCO3	96	mg/L		1.0		1			05/21/2021 14:53	JPG
Individual Parameters by EPA	300.0									
Chloride	11	mg/L		5.0		1		250	05/15/2021 11:45	DTM
Sulfate	26	mg/L		5.0		1		250	05/15/2021 11:45	DTM
Individual Parameters by SM 2	130 B									
Turbidity	0.09	NTU		0.05		1		1	05/14/2021 07:00	DTM
Individual Parameters by SM 2	320 B									
Alkalinity, Total as CaCO3	50	mg/L		10		1			05/20/2021 15:42	JKP
ndividual Parameters by SM 4	500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
Metals by EPA 200.7										
Aluminum, Total	0.041	mg/L	C).010		1		0.20	05/21/2021 14:54	JPG
Metals by EPA 200.8										
Copper, Total	0.0025	mg/L	0.	0010		1		1.30	05/18/2021 11:14	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	05/18/2021 11:14	DTM
Zinc, Total	<0.0040	mg/L	0	0040		1		5	05/18/2021 11:14	DTN

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Lab ID: 3693920003 Sample ID: 8083 Civic Description: WSSN: 6505			Date Collected: Date Received:		/2021 08:5(/2021 12:5(Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result (Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B									
lardness, Calcium as CaCO3	66	mg/L		1.0		1			05/21/2021 14:53	JPG
lardness, Magnesium as CaCO3	29	mg/L		1.0		1			05/21/2021 14:53	JPG
ardness, Total as CaCO3	95	mg/L		1.0		1			05/21/2021 14:53	JPG
ndividual Parameters by EPA 30	0.0									
hloride	11	mg/L		5.0		1		250	05/15/2021 12:03	DTN
ulfate	26	mg/L		5.0		1		250	05/15/2021 12:03	DTN
ndividual Parameters by SM 213	30 B									
urbidity	0.09	NTU		0.05		1		1	05/14/2021 07:00	DTN
ndividual Parameters by SM 232	20 B									
Ikalinity, Total as CaCO3	60	mg/L		10		1			05/20/2021 15:42	JKP
ndividual Parameters by SM 450	00-P E									
rthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
letals by EPA 200.7										
luminum, Total	0.043	mg/L	0	0.010		1		0.20	05/21/2021 14:54	JPG
letals by EPA 200.8										
opper, Total	0.027	mg/L	0.0	0010		1		1.30	05/18/2021 11:14	DTM
ead, Total	<0.0010	mg/L	0.0	0010		1		0.0150	05/18/2021 11:14	DTM
inc, Total	<0.0040	mg/L	0.0	0040		1		5	05/18/2021 11:14	DTM



Friday, May 28, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369390 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Danyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
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MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
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Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3693900001	3259 Elms	WSSN: 6505	D	05/13/2021 09:30	05/13/2021 12:50	Sandford
3693900002	8230 Crapo	WSSN: 6505	D	05/13/2021 09:15	05/13/2021 12:50	Sandford

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Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative General Comments: Samples were received chilled on natural ice with an average temperature of 2.4°C on March 13th, 2021. All VOA vials were observed to be acceptable.

Lab ID: 3693900001 Sample ID: 3259 Elms Description: WSSN: 6505		Date Collected: Date Received:		05/13/2021 09:30 05/13/2021 12:50				Drinking Water, Pota Jay Sandford	nking Water, Potable (D) v Sandford		
Parameter	Result Qua	al Unit	RL	MDL	DF	Min	Max	Analyzed	Ву		
Haloacetic Acids (HAAs) by EPA	A 552.3										
Bromoacetic acid (MBAA)	<1.0	μg/L	1.0	0.36	1			05/28/2021 00:30	GFM		
Chloroacetic acid (MCAA)	2.5	μg/L	2.0	0.30	1			05/28/2021 00:30	GFM		
Dibromoacetic acid (DBAA)	1.0	μg/L	1.0	0.39	1			05/28/2021 00:30	GFM		
Dichloroacetic acid (DCAA)	24	μg/L	1.0	0.20	1			05/28/2021 00:30	GFM		
Trichloroacetic acid (TCAA)	14	μg/L	1.0	0.12	1			05/28/2021 00:30	GFM		
Haloacetic Acids, Total (HAA5)	42	μg/L	1.0		1		60	05/28/2021 00:30	GFM		
Sample Preparation by EPA 552	2.3										
Liquid-Liquid Extraction, HAAs	Complete				1			05/27/2021 10:25	GFM		
Volatiles by EPA 524.2											
Bromodichloromethane	6.9	μg/L	0.50		1			05/18/2021 21:33	DTM		
Bromoform	<0.50	μg/L	0.50		1			05/18/2021 21:33	DTM		
Chloroform	26	μg/L	0.50		1			05/18/2021 21:33	DTM		
Dibromochloromethane	1.6	μg/L	0.50		1			05/18/2021 21:33	DTM		
Trihalomethanes, Total (TTHM)	35	μg/L	0.50		1		80	05/18/2021 21:33	DTM		

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Lab ID: 3693900002 Sample ID: 8230 Crapo Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:1 /2021 12:5				Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result Q	ual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by E	PA 552.3									
Bromoacetic acid (MBAA)	<1.0	μg/L		1.0	0.36	1			05/28/2021 01:11	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L		2.0	0.30	1			05/28/2021 01:11	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L		1.0	0.39	1			05/28/2021 01:11	GFM
Dichloroacetic acid (DCAA)	18	μg/L		1.0	0.20	1			05/28/2021 01:11	GFM
Trichloroacetic acid (TCAA)	16	μg/L		1.0	0.12	1			05/28/2021 01:11	GFM
Haloacetic Acids, Total (HAA5)	33	μg/L		1.0		1		60	05/28/2021 01:11	GFM
Sample Preparation by EPA 5	52.3									
Liquid-Liquid Extraction, HAAs	Complete					1			05/27/2021 10:25	GFM
Volatiles by EPA 524.2										
Bromodichloromethane	6.7	μg/L		0.50		1			05/18/2021 22:03	DTM
Bromoform	<0.50	μg/L		0.50		1			05/18/2021 22:03	DTM
Chloroform	28	μg/L		0.50		1			05/18/2021 22:03	DTM
Dibromochloromethane	1.9	μg/L		0.50		1			05/18/2021 22:03	DTM
Trihalomethanes, Total (TTHM)	37	μg/L		0.50		1		80	05/18/2021 22:03	DTM



	0					5	13/2
	Parago	N Wa	her Qu	ality Rc	rameters		
	Terro Der		Le and	,	X	J.	
5721 Morrish		7.92			8:30am		
4061 Elms	15.100	7.91	•4	•4	9:50am	5-13-21	gang ga agg angga ang malan ang mgan gan gan gan gang malaga ang dalam sa san
8083 Civic	16.5°C	7,89	<u></u>	5	8:50am	5-13-2	/
		ŤŢĦ	m / +	+ 4A 5 /	VOCS		
	Koug	l× l×	, , ,	,	TUTAL	Kine	Deste
3259 Elms	16.2°C	7.98	, L		5	9:30nm	5-13-21
8230 Crape	16.3°C	7.96	ə 4		5	9'.15am	5-13-21
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		n dagabatan dalah jula dagabatan dagabatan pada dalam mata yang belan di sebad dagabatan dagabatan dagabatan d	n na mang na sang na sang na sang ng mang ng ma				
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							- 1999 I. S.



Wednesday, May 26, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369392 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

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Sincerely,

Elizabeth Danyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

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<	Less Than	Symbol that indicates that a result is less than the value following it.
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SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3693920001	5121 Morrish	WSSN: 6505	D	05/13/2021 08:30	05/13/2021 12:50	Sandford
3693920002	4061 Elms	WSSN: 6505	D	05/13/2021 09:50	05/13/2021 12:50	Sandford
3693920003	8083 Civic	WSSN: 6505	D	05/13/2021 08:50	05/13/2021 12:50	Sandford

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WORKORDER SUMMARY

Accreditations

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Sugar de

Lab ID: 369392 Sample ID: 5121 M Description: WSSN:	orrish		Date Collected: Date Received:		3/2021 08:30 3/2021 12:50		M Colle		Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	Ву
Calculated Parameters	by SM 2340 B									
Hardness, Calcium as Ca	CO3 69	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Magnesium as	CaCO3 30	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Total as CaCO	3 99	mg/L		1.0		1			05/21/2021 14:53	JPG
Individual Parameters	by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	05/15/2021 11:26	DTM
Sulfate	26	mg/L		5.0		1		250	05/15/2021 11:26	DTM
Individual Parameters	oy SM 2130 B									
Turbidity	0.08	NTU		0.05		1		1	05/14/2021 07:00	DTM
Individual Parameters	oy SM 2320 B									
Alkalinity, Total as CaCO3	70	mg/L		10		1			05/19/2021 15:43	JKP
Individual Parameters I	oy SM 4500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
Metals by EPA 200.7										
Aluminum, Total	0.014	mg/L	(0.010		1		0.20	05/21/2021 14:54	JPG
Metals by EPA 200.8										
Copper, Total	0.0021	mg/L	0.	0010		1		1.30	05/18/2021 11:14	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	05/18/2021 11:14	DTM
Zinc, Total	<0.0040	mg/L	0.	0040		1		5	05/18/2021 11:14	DTM



Lab ID: 3693920002 Sample ID: 4061 Elms Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:50 /2021 12:50			latrix: ector:	Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	By
Calculated Parameters by SM	2340 B					***************************************				
Hardness, Calcium as CaCO3	67	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Magnesium as CaCO3	29	mg/L		1.0		1			05/21/2021 14:53	JPG
Hardness, Total as CaCO3	96	mg/L		1.0		1			05/21/2021 14:53	JPG
Individual Parameters by EPA	300.0									
Chloride	11	mg/L		5.0		1		250	05/15/2021 11:45	DTM
Sulfate	26	mg/L		5.0		1		250	05/15/2021 11:45	DTM
Individual Parameters by SM 2	130 B									
Turbidity	0.09	NTU		0.05		1		1	05/14/2021 07:00	DTM
Individual Parameters by SM 2	320 B									
Alkalinity, Total as CaCO3	50	mg/L		10		1			05/20/2021 15:42	JKP
ndividual Parameters by SM 4	500-P E									
Orthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
Metals by EPA 200.7										
Aluminum, Total	0.041	mg/L	C	0.010		1		0.20	05/21/2021 14:54	JPG
Metals by EPA 200.8										
Copper, Total	0.0025	mg/L	0.	0010		1		1.30	05/18/2021 11:14	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	05/18/2021 11:14	DTM
Zinc, Total	<0.0040	mg/L	0	0040		1		5	05/18/2021 11:14	DTN

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Lab ID: 3693920003 Sample ID: 8083 Civic Description: WSSN: 6505			Date Collected: Date Received:		/2021 08:5(/2021 12:5(Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result (Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B									
lardness, Calcium as CaCO3	66	mg/L		1.0		1			05/21/2021 14:53	JPG
lardness, Magnesium as CaCO3	29	mg/L		1.0		1			05/21/2021 14:53	JPG
ardness, Total as CaCO3	95	mg/L		1.0		1			05/21/2021 14:53	JPG
ndividual Parameters by EPA 30	0.0									
hloride	11	mg/L		5.0		1		250	05/15/2021 12:03	DTN
ulfate	26	mg/L		5.0		1		250	05/15/2021 12:03	DTN
ndividual Parameters by SM 213	30 B									
urbidity	0.09	NTU		0.05		1		1	05/14/2021 07:00	DTN
ndividual Parameters by SM 232	20 B									
Ikalinity, Total as CaCO3	60	mg/L		10		1			05/20/2021 15:42	JKP
ndividual Parameters by SM 450	00-P E									
rthophosphate, as P	<2.5	mg/L		2.5		10			05/13/2021 15:20	JKP
letals by EPA 200.7										
luminum, Total	0.043	mg/L	0	0.010		1		0.20	05/21/2021 14:54	JPG
letals by EPA 200.8										
opper, Total	0.027	mg/L	0.0	0010		1		1.30	05/18/2021 11:14	DTM
ead, Total	<0.0010	mg/L	0.0	0010		1		0.0150	05/18/2021 11:14	DTM
inc, Total	<0.0040	mg/L	0.0	0040		1		5	05/18/2021 11:14	DTM



Friday, May 28, 2021

Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 369390 Project Name: City of Swartz Creek

Andy Harris,

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Sincerely,

Elizabeth Danyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

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Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.

SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3693900001	3259 Elms	WSSN: 6505	D	05/13/2021 09:30	05/13/2021 12:50	Sandford
3693900002	8230 Crapo	WSSN: 6505	D	05/13/2021 09:15	05/13/2021 12:50	Sandford

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Accreditations

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Workorder Narrative General Comments: Samples were received chilled on natural ice with an average temperature of 2.4°C on March 13th, 2021. All VOA vials were observed to be acceptable.

Lab ID: 3693900001 Sample ID: 3259 Elms Description: WSSN: 6505		Date Collected: Date Received:		05/13/2021 09:30 05/13/2021 12:50				Drinking Water, Pota Jay Sandford	nking Water, Potable (D) v Sandford		
Parameter	Result Qua	al Unit	RL	MDL	DF	Min	Max	Analyzed	Ву		
Haloacetic Acids (HAAs) by EPA	A 552.3										
Bromoacetic acid (MBAA)	<1.0	μg/L	1.0	0.36	1			05/28/2021 00:30	GFM		
Chloroacetic acid (MCAA)	2.5	μg/L	2.0	0.30	1			05/28/2021 00:30	GFM		
Dibromoacetic acid (DBAA)	1.0	μg/L	1.0	0.39	1			05/28/2021 00:30	GFM		
Dichloroacetic acid (DCAA)	24	μg/L	1.0	0.20	1			05/28/2021 00:30	GFM		
Trichloroacetic acid (TCAA)	14	μg/L	1.0	0.12	1			05/28/2021 00:30	GFM		
Haloacetic Acids, Total (HAA5)	42	μg/L	1.0		1		60	05/28/2021 00:30	GFM		
Sample Preparation by EPA 552	2.3										
Liquid-Liquid Extraction, HAAs	Complete				1			05/27/2021 10:25	GFM		
Volatiles by EPA 524.2											
Bromodichloromethane	6.9	μg/L	0.50		1			05/18/2021 21:33	DTM		
Bromoform	<0.50	μg/L	0.50		1			05/18/2021 21:33	DTM		
Chloroform	26	μg/L	0.50		1			05/18/2021 21:33	DTM		
Dibromochloromethane	1.6	μg/L	0.50		1			05/18/2021 21:33	DTM		
Trihalomethanes, Total (TTHM)	35	μg/L	0.50		1		80	05/18/2021 21:33	DTM		

This report shall not be reproduced, except in full, without the written consent of Paragon Laboratories, Inc.

Lab ID: 3693900002 Sample ID: 8230 Crapo Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:1 /2021 12:5				Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result Q	ual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by E	PA 552.3									
Bromoacetic acid (MBAA)	<1.0	μg/L		1.0	0.36	1			05/28/2021 01:11	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L		2.0	0.30	1			05/28/2021 01:11	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L		1.0	0.39	1			05/28/2021 01:11	GFM
Dichloroacetic acid (DCAA)	18	μg/L		1.0	0.20	1			05/28/2021 01:11	GFM
Trichloroacetic acid (TCAA)	16	μg/L		1.0	0.12	1			05/28/2021 01:11	GFM
Haloacetic Acids, Total (HAA5)	33	μg/L		1.0		1		60	05/28/2021 01:11	GFM
Sample Preparation by EPA 5	52.3									
Liquid-Liquid Extraction, HAAs	Complete					1			05/27/2021 10:25	GFM
Volatiles by EPA 524.2										
Bromodichloromethane	6.7	μg/L		0.50		1			05/18/2021 22:03	DTM
Bromoform	<0.50	μg/L		0.50		1			05/18/2021 22:03	DTM
Chloroform	28	μg/L		0.50		1			05/18/2021 22:03	DTM
Dibromochloromethane	1.9	μg/L		0.50		1			05/18/2021 22:03	DTM
Trihalomethanes, Total (TTHM)	37	μg/L		0.50		1		80	05/18/2021 22:03	DTM



11-8-21

WSSN 6505 FREE CHLORINE RESIDUAL TEST

	TOTAL	
5121 MORRISH ROAD	0.3	0.3
ELMS RD. ELEMENTARY	0,3	Ø. 3
8240 MILLER ROAD		an a she a she an a she and a s
8083 CIVIC DRIVE	0,5	0.5

Rotanne 132-0019

11.23-21

11.27.21	TOTAL	FREE	
MIDDLE SCHOOL	0.5	0.5	
HIGH SCHOOL	0,3	0.3	
SYRING SCHOOL	015	3.5	
3462 DYE ROAD MTA	en ante en la contra compañía de la compañía de la En ante en la compañía de la compañía		A



USEPA Region V Drinking Water Cert. No. MI00003 m

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ87760

BY:

Work Order: 11100843_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	5121 MORRISH RD, SWARTZ CREEK	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County	Genesee	Date Collected:	11/08/2021	09:30
Sample Point:	KITCHEN SINK	Date Received:	11/09/2021	07:39
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	pring

TESTI	NG INFORMATI	ON			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			11/09/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ87761 Work Order: 11100843_03

GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
ELM RD ELEMENTARY SCHOOL, SWA	Source:	TYPE III	
ROD	Site Code:		
//	Collector:	Other	
Genesee	Date Collected:	11/08/2021	09:45
KITCHEN SINK	Date Received:	11/09/2021	07:39
Treated Public Distribution System	Purpose:	Routine Monito	oring
	ELM RD ELEMENTARY SCHOOL,SWA ROD // Genesee	ELM RD ELEMENTARY SCHOOL,SWASource:RODSite Code://Collector:GeneseeDate Collected:KITCHEN SINKDate Received:	ELM RD ELEMENTARY SCHOOL,SWASource:TYPE IIIRODSite Code://Collector:OtherGeneseeDate Collected:11/08/2021KITCHEN SINKDate Received:11/09/2021

TESTI	NG INFOR	MATION			REG	ULATORY INFO	RMATION
Analyte Name	Resu	t Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Det	ected		11/09/202	21	SM 9223 B	TC-00-B
Explanation of Coliform	Results:	Not Detected = Co Positive = Total Co EC Positive = Colif	liform <u>was</u>	found and E. co	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

Not Detected: Not detected at or above the reporting limit (RL)



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Official Laboratory Report

Report To: ROB BENCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ87759 Work Order: 11100843_01

Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring
Sample Point:	KITCHEN SINK	Date Received:		07:39
County:	Genesee	Date Collected:	11/08/2021	10:00
Township/Well#/Section:	11	Collector:	Other	
Collected By:	ROD	Site Code:		
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	

TESTI	ING INFORMA	TION			REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	ed		11/09/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Posit	ive = Total Co	oliform <u>was</u>	E. coli bacteria found and E. co Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

By authority of PA 368 of 1978 as amended



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:		Sample ID:	LJ89995
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	11102327_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL OAKVIE,	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	11/23/2021	10:15
Sample Point:	KITCHEN SINK	Date Received:	11/24/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIO	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			11/24/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positiv	e = Total Colif	orm <u>was fou</u>	oli bacteria were n nd and E. coli bac li bacteria were fo	teria <u>was not fo</u> u	nd	

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ROB BINCSIK
	8083 CIVIC DR
	SWARTZ CREEK MI 48473

Sample ID: LJ89996 Work Order: 11102327_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SWAR	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	11/23/2021	10:00
Sample Point:	KITCHEN SINK	Date Received:	11/24/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIC	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			11/24/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform R	esults: Positive	Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found					

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. M100003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ROB BINCSIK
	8083 CIVIC DR
	SWARTZ CREEK MI 48473

Sample ID: LJ89997 Work Order: 11102327 03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	11/23/2021	10:35
Sample Point:	KITCHEN SINK	Date Received:	11/24/2021	08:13
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	oring

TESTING INFORMATION				RE	GULATORY INFO	ORMATION	
Analyte Name	Result	Units	RL	Date ⊺ested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			11/24/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found					

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane WSSN 6505

FREE CHLORINE RESIDUAL TEST

TOTAL	FREE
.4	.4
.5	.5
.0	.le
.5	.5
	тотаL .ч .s .u

Rotanne 132-0019

10-25-21

FREE

=4

04

• 3

	TOTAL
MIDDLE SCHOOL	-5
HIGH SCHOOL	- 5
SYRING SCHOOL	=4
3462 DYE ROAD MTA	



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ85469 Work Order: 11002147_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	5121 MORRISH, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector	Other	
County:	Genesee	Date Collected:	10/21/2021	10:45
Sample Point:	KITCHEN SINK	Date Received:	10/22/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTIN	IG INFORMATIC	N	_		REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			10/22/202	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positive	e = Total Co	liform <u>was</u>	E. coli bacteria found and E. co . Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RECEIVED

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ85468 Work Order: 11002147_01

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	3259 ELMS, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	10/21/2021	11:15
Sample Point:	KITCHEN SINK	Date Received:	10/22/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring
	Contract of the second s	and the second sec		

TESTIN	TESTING INFORMATION Date				REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			10/22/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria found and E. co . Coli bacteria v	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

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Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ85470 Work Order: 11002147_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8240 MILLER, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	10/21/2021	11:35
Sample Point:	KITCHEN SINK	Date Received:	10/22/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		10/22/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positiv	e = Total Co	liform was		were not found oli bacteria <u>was</u> were found		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

A CEIVE

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473

Sample ID: LJ85471 Work Order: 11002147_04

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8083 CIVIC DR, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	10/21/2021	11:50
Sample Point:	KITCHEN SINK	Date Received:	10/22/2021	07:46
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring
	and a second s			

TESTIN	REG	ULATORY INFO	RMATION				
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	2		10/22/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria v	oli bacteria was		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

CEIVE

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ85817 Work Order: 11002359_03

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWA	Source:	TYPE II	
Collected By:	JAY SANDFORD	Site Code:		
Township/Well#/Section:	/304/	Collector:	Other	
County:	Genesee	Date Collected:	10/25/2021	10:20
Sample Point:	KITCHEN SINK	Date Received:	10/26/2021	07:41
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	toring

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		10/26/202	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Posit	ive = Total Co	liform <u>was</u>	E. coli bacteria found and E. co . Coli bacteria y	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level Not Detected: Not detected at or above the reporting limit (RL) mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane

By authority of PA 368 of 1978 as amended



USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ85816 Work Order: 11002359_02

System Name/Owner:	GENESEE CO WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SV	Source:	TYPE II	
Collected By:	JAY SANDFORD	Site Code:		
Township/Well#/Section:	/304/	Collector:	Other	
County:	Genesee	Date Collected:	10/25/2021	09:45
Sample Point:	KITCHEN SINK	Date Received:	10/26/2021	07:41
Water System:	Treated Public Distribution System	Purpose:	Routine Moni	toring

TESTIN	REG	ULATORY INFO	RMATION				
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		10/26/20	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Posit	ive = Total Co	liform <u>was</u>	E. coli bacteria found and E. co . Coli bacteria v	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

RL: Reporting Limit MCL: Maximum Contaminant Level AL: Action Level mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number CFU: Colony Forming Unit CAS: Chemical Abstract Service Laboratory Contact: Marlene Kane



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Official Laboratory Report

Report To: ROB BINCSIK 8083 CIVIC DR SWARTZ CREEK MI 48473 Sample ID: LJ85815 Work Order: 11002359_01

6505	
TYPE II	
Other	
: 10/25/2021	10:45
: 10/26/2021	07:41
Routine Moni	itoring
	Other : 10/25/2021 : 10/26/2021

TESTIN	REGULATORY INFORMATION						
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detecte	d		10/26/20:	21	SM 9223 B	TC-00-B
Explanation of Coliform R	esults: Positi	ve = Total Co	liform was	E. coli bacteria found and E. co . Coli bacteria y	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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WATER QUALITY PARAMETERS

5121 MUZRISH	Flee	TOTAL 3	PH 7.9	TEMP 19.4°C
4001 ELWIS	. (4	-6	7.9	19.5%
BORS CINIC	.3	- 3	8	26.9°C



Wednesday, September 29, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 372653

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyboxn

Elizabeth Pangborn Account Coordination Team Leader



GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
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MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3726530001	5121 Morrish	WSSN: 6505	D	09/16/2021 09:15	09/16/2021 14:18	Rebecca
3726530002	4061 Elms	WSSN: 6505	D	09/16/2021 09:40	09/16/2021 14:18	Rebecca
3726530003	8083 Civic	WSSN: 6505	D	09/16/2021 10:10	09/16/2021 14:18	Rebecca



Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 0.7°C on September 16, 2021.

Analysis Results Narrative

3726530001 - 5121 Morrish - Sulfate

The MS and/or MSD recovery for this analyte was below the lower control limit.

3726530002 - 4061 Elms - Aluminum, Total H|Result (or RL) is above Max limit.



Lab ID: 3726530001 Sample ID: 5121 Morrish Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:1 /2021 14:1	S		Matrix: ector:	Drinking Water, Pota Rebecca B.	able (D)
Parameter	Result	Qual L	Init	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B									
Hardness, Calcium as CaCO3	72	n	ig/L	1.0		1			09/23/2021 15:44	JPG
Hardness, Magnesium as CaCO3	30	n	g/L	1.0		1			09/23/2021 15:44	JPG
Hardness, Total as CaCO3	100	n	ig/L	1.0		1			09/23/2021 15:44	JPG
Individual Parameters by EPA 30	0.0									
Chloride	11	m	ig/L	5.0		1		250	09/21/2021 10:11	RTS
Sulfate	25	* n	g/L	5.0		1		250	09/21/2021 10:11	RTS
Individual Parameters by SM 213	30 B									
Turbidity	0.21	N	TU	0.05		1		1	09/17/2021 15:35	RTS
Individual Parameters by SM 232	20 B									
Alkalinity, Total as CaCO3	70	n	g/L	10		1			09/23/2021 13:12	CTJ
Individual Parameters by SM 450	00-P E									
Orthophosphate, as P	0.62	n	g/L	0.025		1			09/17/2021 08:52	CTJ
Metals by EPA 200.7										
Aluminum, Total	0.13	п	g/L	0.010		1		0.20	09/23/2021 15:44	JPG
Metals by EPA 200.8										
Copper, Total	0.0023	m	g/L 0.	.0010		1		1.30	09/24/2021 14:12	DTM
Lead, Total	<0.0010	m	g/L 0.	.0010		1		0.0150	09/24/2021 14:12	DTM
Zinc, Total	<0.0040	m	g/L 0.	.0040		1		5	09/24/2021 14:12	DTM



Lab ID: 3726530002 Sample ID: 4061 Elms Description: WSSN: 6505		Date Collected: Date Received:		/2021 09:4 /2021 14:1	27. C		Matrix: lector:	Drinking Water, Pota Rebecca B.	able (D)
Parameter	Result Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 234	40 B								
Hardness, Calcium as CaCO3	69	mg/L	1.0		1			09/23/2021 15:56	JPG
Hardness, Magnesium as CaCO3	30	mg/L	1.0		1			09/23/2021 15:56	JPG
Hardness, Total as CaCO3	100	mg/L	1.0		1			09/23/2021 15:56	JPG
Individual Parameters by EPA 300	0.0								
Chloride	11	mg/L	5.0		1		250	09/21/2021 11:07	RTS
Sulfate	25	mg/L	5.0		1		250	09/21/2021 11:07	RTS
Individual Parameters by SM 213	0 B								
Turbidity	0.28	NTU	0.05		1		1	09/17/2021 15:35	RTS
Individual Parameters by SM 232	0 B								
Alkalinity, Total as CaCO3	60	mg/L	10		1			09/23/2021 13:12	CTJ
Individual Parameters by SM 450	0-P E								
Orthophosphate, as P	0.73	mg/L	0.025		1			09/17/2021 08:52	CTJ
Metals by EPA 200.7									
Aluminum, Total	0.39 *	mg/L	0.010		1		0.20	09/23/2021 15:56	JPG
Metals by EPA 200.8									
Copper, Total	<0.0010	mg/L 0	.0010		1		1.30	09/24/2021 14:12	DTM
Lead, Total	<0.0010	mg/L 0	.0010		1		0.0150	0 09/24/2021 14:12	DTM
Zinc, Total	<0.0040	mg/L 0	.0040		1		Ę	5 09/24/2021 14:12	DTM



Lab ID: 3726530003 Sample ID: 8083 Civic Description: WSSN: 6505			Date Collected: Date Received:		/2021 10:1 /2021 14:1				Drinking Water, Pota Rebecca B.	able (D)
Parameter	Result	Qual Unit	e	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B							-		
Hardness, Calcium as CaCO3	71	mg/L		1.0		1			09/23/2021 16:00	JPG
Hardness, Magnesium as CaCO3	31	mg/L		1.0		1			09/23/2021 16:00	JPG
Hardness, Total as CaCO3	100	mg/L		1.0		1			09/23/2021 16:00	JPG
Individual Parameters by EPA 30	0.0									
Chloride	12	mg/L		5.0		1		250	09/21/2021 11:26	RTS
Sulfate	25	mg/L		5.0		1		250	09/21/2021 11:26	RTS
Individual Parameters by SM 213	30 B									
Turbidity	0.08	NTU		0.05		1		1	09/17/2021 15:35	RTS
Individual Parameters by SM 232	20 B									
Alkalinity, Total as CaCO3	70	mg/L		10		1			09/23/2021 13:12	СТЈ
Individual Parameters by SM 450	00-P E									
Orthophosphate, as P	0.62	mg/L	(0.025		1			09/17/2021 08:52	CTJ
Metals by EPA 200.7										
Aluminum, Total	0.12	mg/L	(0.010		1		0.20	09/23/2021 16:00	JPG
Metals by EPA 200.8										
Copper, Total	0.0064	mg/L	0.	0010		1		1.30	09/24/2021 14:12	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	09/24/2021 14:12	DTM
Zinc, Total	<0.0040	mg/L	0.	0040		1		5	09/24/2021 14:12	DTM





Wednesday, October 20, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 373201

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

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SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3732010001	5121 Morrish	WSSN: 6505	D	10/07/2021 09:00	10/07/2021 15:18	Rebecca
3732010002	8083 Civic	WSSN: 6505	D	10/07/2021 09:30	10/07/2021 15:18	Rebecca
3732010003	4061 Elms	WSSN: 6505	D	10/07/2021 10:00	10/07/2021 15:18	Rebecca

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WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 3.3°C on October 7, 2021.

Analysis Results Narrative 3732010003 - 4061 Elms - Aluminum, Total H|Result (or RL) is above Max limit.



Lab ID: 373201000 Sample ID: 5121 Morri Description: WSSN: 650	sh	Date Collected: Date Received:		/2021 09:00 /2021 15:18		Mi Colle		Drinking Water, Pota Rebecca Rosas	ible (D)
Parameter	Result Qua	I Unit	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by	SM 2340 B								
Hardness, Calcium as CaCO3	5 72	mg/L	1.0		1			10/19/2021 12:19	JPG
Hardness, Magnesium as Ca	CO3 31	mg/L	1.0		1			10/19/2021 12:19	JPG
Hardness, Total as CaCO3	100	mg/L	1.0		1			10/19/2021 12:19	JPG
Individual Parameters by E	EPA 300.0								
Chloride	11	mg/L	5.0		1		250	10/12/2021 10:47	RTS
Sulfate	25	mg/L	5.0		1		250	10/12/2021 10:47	RTS
Individual Parameters by S	SM 2130 B								
Turbidity	0.08	NTU	0.05		1		1	10/08/2021 15:50	RTS
Individual Parameters by S	SM 2320 B								
Alkalinity, Total as CaCO3	80	mg/L	10		1			10/11/2021 14:06	СТЈ
Individual Parameters by S	SM 4500-P E								
Orthophosphate, as P	0.67	mg/L	0.025		1			10/08/2021 09:43	CTJ
Metals by EPA 200.7									
Ałuminum, Total	0.094	mg/L	0.010		1		0.20	10/19/2021 12:19	JPG
Metals by EPA 200.8									
Copper, Total	0.0025	mg/L (0.0010		1		1.30	10/13/2021 12:30	RTS
Lead, Total	<0.0010	mg/L (0.0010		1		0.0150	10/13/2021 12:30	RTS
Zinc, Total	<0.0040	mg/L (0.0040		1		5	10/13/2021 12:30	RTS

Lab ID: 37320 Sample ID: 8083 (Description: WSSN	livic		Date Collected: Date Received:		/2021 09:30 //2021 15:18			1atrix: ector:	Drinking Water, Pota Rebecca Rosas	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameter	s by SM 2340 B									
Hardness, Calcium as Ca	aCO3 70	mg/L		1.0		1			10/19/2021 12:37	JPG
Hardness, Magnesium a	CaCO3 31	mg/L		1.0		1			10/19/2021 12:37	JPG
Hardness, Total as CaCO	03 100	mg/L		1.0		1			10/19/2021 12:37	JPG
Individual Parameters	by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	10/12/2021 11:06	RTS
Sulfate	25	mg/L		5.0		1		250	10/12/2021 11:06	RTS
Individual Parameters	by SM 2130 B									
Turbidity	0.05	NTU		0.05		1		1	10/08/2021 15:50	RTS
Individual Parameters	by SM 2320 B									
Alkalinity, Total as CaCC	3 70	mg/L		10		1			10/11/2021 14:06	СТЈ
Individual Parameters	by SM 4500-P E									
Orthophosphate, as P	0.65	mg/L	. (0.025		1			10/08/2021 09:43	CTJ
Metals by EPA 200.7										
Aluminum, Total	0.096	mg/L	. (0.010		1		0.20	10/19/2021 12:37	JPG
Metals by EPA 200.8										
Copper, Total	0.0053	mg/L	. 0.	.0010		1		1.30	10/13/2021 12:30	RTS
Lead, Total	<0.0010	mg/L	. 0.	.0010		1		0.0150) 10/13/2021 12:30	RTS
Zinc, Total	<0.0040	mg/L	. 0.	.0040		1		5	5 10/13/2021 12:30	RTS

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Lab ID: 3732010003 Sample ID: 4061 Elms Description: WSSN: 6505			Date Collected: Date Received:		/2021 10:00 /2021 15:18				Drinking Water, Pota Rebecca Rosas	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B		nn a far an							
Hardness, Calcium as CaCO3	69	mg/L		1.0		1			10/19/2021 12:40	JPG
Hardness, Magnesium as CaCO3	31	mg/L		1.0		1			10/19/2021 12:40	JPG
Hardness, Total as CaCO3	99	mg/L		1.0		1			10/19/2021 12:40	JPG
Individual Parameters by EPA 30	0.0									
Chloride	11	mg/L		5.0		1		250	10/12/2021 11:24	RTS
Sulfate	25	mg/L		5.0		1		250	10/12/2021 11:24	RTS
Individual Parameters by SM 213	30 B									
Turbidity	0.07	NTU		0.05		1		1	10/08/2021 15:50	RTS
Individual Parameters by SM 232	20 B									
Alkalinity, Total as CaCO3	70	mg/L		10		1			10/11/2021 14:06	СТЈ
Individual Parameters by SM 450	00-P E									
Orthophosphate, as P	0.65	mg/L	(0.025		1			10/08/2021 09:43	СТЈ
Metals by EPA 200.7										
Aluminum, Total	0.24	* mg/L	I	0.010		1		0.20	10/19/2021 12:40	JPG
Metals by EPA 200.8										
Copper, Total	<0.0010	mg/L	0.	.0010		1		1.30	10/13/2021 12:30	RTS
Lead, Total	<0.0010	mg/L	0.	.0010		1		0.0150	10/13/2021 12:30	RT
Zinc, Total	<0.0040	mg/L	0.	.0040		1		5	10/13/2021 12:30	RT

WQP

BECCA

F.Q.	00.00.511	FREE	TOTAL .4		TEMP TH'F	
	MORRISH	.4	. 7	7.2	1.10	
8083	CIVIC	.5	в,	7.2	540F	
4021	ELIMS	Ъ,	.8	73	200F	



Wednesday, December 15, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 374541

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

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We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader



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<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3745410001	5121 Morrish	WSSN: 6505	D	12/09/2021 09:00	12/09/2021 13:55	B. Becca
3745410002	8083 Civic	WSSN: 6505	D	12/09/2021 09:30	12/09/2021 13:55	B. Becca
3745410003	4061 Elms	WSSN: 6505	D	12/09/2021 10:00	12/09/2021 13:55	B. Becca



Accreditations

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Workorder Narrative

General Comments:

Samples were received on natural ice with an average temperature of 1.7°C on December 9, 2021.



Lab ID: 3745410001 Sample ID: 5121 Morrish Description: WSSN: 6505			Date Collected: Date Received:		/2021 09:0 /2021 13:5				Drinking Water, Pota Becca B.	able (D)
Parameter	Result C	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SM 23	340 B									
Hardness, Calcium as CaCO3	75	mg/L		1.0		1			12/10/2021 18:27	JPG
Hardness, Magnesium as CaCO3	30	mg/L		1.0		1			12/10/2021 18:27	JPG
Hardness, Total as CaCO3	100	mg/L		1.0		1			12/10/2021 18:27	JPG
Individual Parameters by EPA 3	00.0									
Chloride	9.8	mg/L		5.0		1		250	12/10/2021 12:49	RTS
Sulfate	29	mg/L		5.0		1		250	12/10/2021 12:49	RTS
Individual Parameters by SM 21	30 B									
Turbidity	0.16	NTU		0.05		1		1	12/10/2021 13:00	RTS
Individual Parameters by SM 23	20 B									
Alkalinity, Total as CaCO3	90	mg/L		10		1			12/10/2021 09:53	LDP
Individual Parameters by SM 45	00-P E									
Orthophosphate, as P	0.64	mg/L		0.025		1			12/09/2021 15:29	CTJ
Metals by EPA 200.7										
Aluminum, Total	0.076	mg/L		0.010		- 1		0.20	12/10/2021 18:27	JPG
Metals by EPA 200.8										
Copper, Total	0.0016	mg/L	0	.0010		1		1.30	12/13/2021 14:45	RTS
Lead, Total	<0.0010	mg/L	. 0	.0010		1		0.0150	12/13/2021 14:45	RTS
Zinc, Total	<0.0040	mg/L	0	.0040		1		5	5 12/13/2021 14:45	RTS



Lab ID: 3745410002 Sample ID: 8083 Civic Description: WSSN: 6505		Date Colle Date Rece		2021 09:30 2021 13:55				Drinking Water, Pota Becca B.	able (D)
Parameter	Result Qu	ual Unit	RL	MDL	DF	Min	Max	Analyzed	Ву
Calculated Parameters by SM 23	40 B								
Hardness, Calcium as CaCO3	70	mg/L	1.0		1			12/10/2021 18:30	JPG
Hardness, Magnesium as CaCO3	32	mg/L	1.0		1			12/10/2021 18:30	JPG
Hardness, Total as CaCO3	100	mg/L	1.0		1			12/10/2021 18:30	JPG
Individual Parameters by EPA 30	0.0								
Chloride	9.8	mg/L	5.0		1		250	12/10/2021 13:45	RTS
Sulfate	29	mg/L	5.0		1		250	12/10/2021 13:45	RTS
Individual Parameters by SM 213	0 B								
Turbidity	0.25	NTU	0.05		i		1	12/10/2021 13:00	RTS
Individual Parameters by SM 232	0 B								
Alkalinity, Total as CaCO3	90	mg/L	10		1			12/10/2021 09:53	LDP
Individual Parameters by SM 450	0-P E								
Orthophosphate, as P	0.64	mg/L	0.025		1			12/09/2021 15:29	CTJ
Metals by EPA 200.7									
Aluminum, Total	0.058	mg/L	0.010		1		0.20	12/10/2021 18:30	JPG
Metals by EPA 200.8									
Copper, Total	0.016	mg/L	0.0010		1		1.30	12/13/2021 14:45	RTS
Lead, Total	<0.0010	mg/L	0.0010		1		0.0150	12/13/2021 14:45	RTS
Zinc, Total	<0.0040	mg/L	0.0040		1		5	12/13/2021 14:45	RTS



Lab ID: 3745410003 Sample ID: 4061 Elms Description: WSSN: 6505		Date Collected: Date Received:		/2021 10:0 /2021 13:5				Drinking Water, Pota Becca B.	able (D)
Parameter	Result Qu	al Unit	RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters by SM 23	340 B								
Hardness, Calcium as CaCO3	69	mg/L	1.0		Ť.			12/10/2021 18:34	JPG
Hardness, Magnesium as CaCO3	32	mg/L	1.0		1			12/10/2021 18:34	JPG
Hardness, Total as CaCO3	100	mg/L	1.0		1			12/10/2021 18:34	JPG
Individual Parameters by EPA 30	0.00								
Chloride	9.9	mg/L	5.0		1		250	12/10/2021 14:03	RTS
Sulfate	29	mg/L	5.0		1		250	12/10/2021 14:03	RTS
Individual Parameters by SM 213	30 B								
Turbidity	0.19	NTU	0.05		1		1	12/10/2021 13:00	RTS
Individual Parameters by SM 232	20 B								
Alkalinity, Total as CaCO3	90	mg/L	10		1			12/10/2021 09:53	LDP
Individual Parameters by SM 450	00-P E								
Orthophosphate, as P	0.71	mg/L	0.025		4			12/09/2021 15:29	CTJ
Metals by EPA 200.7									
Aluminum, Total	0.16	mg/L	0.010		1		0.20	12/10/2021 18:34	JPG
Metals by EPA 200.8									
Copper, Total	<0.0010	mg/L	0.0010		1		1.30	12/13/2021 14:45	RTS
Lead, Total	<0.0010	mg/L	0.0010		1		0.0150	12/13/2021 14:45	RTS
Zinc, Total	<0.0040	mg/L	0.0040		1		5	5 12/13/2021 14:45	RTS



114/2021

	WQ Ps			
-	Flit	TOTIFL	p1+4	TEMP
5121 MOREISH	5	5	7.8	34.9'F
8093 CNVIC	,5	2.	7.39	6108
HOLEL ELMS	. le	IJ.	7.4	(12°F



Monday, November 29, 2021

Rob Bincsik Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 373859

Rob Bincsik,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5619.

Sincerely,

Elizabeth Panyborn

Elizabeth Pangborn Account Coordination Team Leader

GLOSSARY

Abbreviation	Meaning	Explanation
ID	Identification	Preceeded by "Lab", it describes the unique 10-digit sample number assigned by the laboratory. Preceeded by "Sample", it describes the client-specified sample identifier.
Qual	Qualifier	Column that populates with an asterisk (*) when a related narrative comment appears in the Workorder Summary.
RL	Reporting Limit	The value at or above which a result is routinely reported.
MDL	Method Detection Limit	The minimum measured concentration that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.
DF	Dilution Factor	The dilution applied to the sample during analysis to arrive at the final reported analyte result.
Min	Minimum	The minimum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
Max	Maximum	The maximum value that a result can be to meet the applicable specification, regulatory, permit, or client-specified limit.
(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3738590001	8230 Crapo	WSSN: 6505	D	11/04/2021 11:30	11/05/2021 07:12	B. Becca
3738590002	3259 Elms	WSSN: 6505	D	11/04/2021 11:55	11/05/2021 07:12	B. Becca



WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative

General Comments:

Samples were received ambient with an average temperature of 10.1°C on November 5, 2021.

All VOA vials contained zero head-space.

Lab ID: 3738590001 Sample ID: 8230 Crapo Description: WSSN: 6505			Date Collected: Date Received:	11/04/2021 11:30 11/05/2021 07:12			Matrix: Drinking Water, Potat Collector: Becca B.			able (D)
Parameter	Result Qu	ial Unit		RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by EPA	552.3									
Bromoacetic acid (MBAA)	<1.0	μg/L		1.0	0.36	1			11/19/2021 21:49	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L		2.0	0.30	1			11/19/2021 21:49	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L		1.0	0.39	1			11/19/2021 21:49	GFM
Dichloroacetic acid (DCAA)	7.0	μg/L		1.0	0.20	1			11/19/2021 21:49	GFM
Trichloroacetic acid (TCAA)	12	μg/L		1.0	0.12	1			11/19/2021 21:49	GFM
Haloacetic Acids, Total (HAA5)	19	μg/L		1.0		1		60	11/19/2021 21:49	GFM
Sample Preparation by EPA 552	.3									
Liquid-Liquid Extraction, HAAs	Complete					1			11/18/2021 08:30	BMB
Volatiles by EPA 524.2										
Bromodichloromethane	8.4	μg/L		0.50		1			11/12/2021 10:48	DTM
Bromoform	<0.50	μg/L		0.50		1			11/12/2021 10:48	DTM
Chloroform	23	μg/L		0.50		1			11/12/2021 10:48	DTM
Dibromochloromethane	3.2	μg/L		0.50		1			11/12/2021 10:48	DTM
Trihalomethanes, Total (TTHM)	35	μg/L		0.50		1		80	11/12/2021 10:48	DTM

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Lab ID: 3738590002 Sample ID: 3259 Elms Description: WSSN: 6505		Date Collected: Date Received:		2021 11:5 2021 07:1	-			Drinking Water, Pota Becca B.	ible (D)
Parameter	Result Qua	al Unit	RL	MDL	DF	Min	Max	Analyzed	By
Haloacetic Acids (HAAs) by EPA	552 .3								
Bromoacetic acid (MBAA)	<1.0	μg/L	1.0	0.36	1			11/19/2021 22:30	GFM
Chloroacetic acid (MCAA)	<2.0	μg/L	2.0	0.30	1			11/19/2021 22:30	GFM
Dibromoacetic acid (DBAA)	<1.0	μg/L	1.0	0.39	1			11/19/2021 22:30	GFM
Dichloroacetic acid (DCAA)	9.8	μg/L	1.0	0.20	1			11/19/2021 22:30	GFM
Trichloroacetic acid (TCAA)	11	μg/L	1.0	0.12	1			11/19/2021 22:30	GFM
Haloacetic Acids, Total (HAA5)	21	μg/L	1.0		1		60	11/19/2021 22:30	GFM
Sample Preparation by EPA 552									
Liquid-Liquid Extraction, HAAs	Complete				1			11/18/2021 08:30	BMB
Volatiles by EPA 524.2									
Bromodichloromethane	7.0	μg/L	0.50		1			11/12/2021 11:17	DTM
Bromoform	<0.50	μg/L	0.50		1			11/12/2021 11:17	DTM
Chloroform	18	μg/L	0.50		1			11/12/2021 11:17	DTM
Dibromochloromethane	2.6	μg/L	0.50		1			11/12/2021 11:17	DTM
Trihalomethanes, Total (TTHM)	28	μg/L	0.50		1		80	11/12/2021 11:17	DTM

	Paragor	1				
	Wate	r Qua	lity Par	ame Los		
	. Timp	e H	frel	TUTAL	TIME	Date
5121 Marnst	1 10.2	7.8	12	,2	8: 754m	3-11-21
8083 Civic	14,5	7.5	,3	. 4	8:50 an	3-11-21
4061 Elms		7.5	.3	.3	9:15 AM	3-11-21
		ann an fhair an fhair an fhair an fhair an tha ann ann ann ann ann ann ann ann ann a				
	an na fan Malanci na Manual Manada (1971) (na na mana ta da ta fananana fan a fana an ana an an an an an an an		hene i na anna mar mar an ann an t- a' georraíod fa raonaíodh a par d'anna an t-		na), ago anna an air an	n ben hann yn de fan de sen de se
			na ngananina (na ana mangangangangangangangangangangan na ana sa			
	an mar ang aga an an ang ang ang ang ang ang a	n a su sense a su se su				na timba da kapanga ka ang kapanga ang kapanga kapanga sa kapanga kapanga sa kapanga kapanga kapanga kapanga ka
	an ang manang mang mang mang mga king king mang mang mang mang mang mang mang ma					
	an f fals felden en en anderen fan de felderen en en en en en en en en de felden en	all folde formanismen and every a start some of the market of the off the off for the folder of the folder of t	n na an			
	alam (, alam a' tangkaman at alam alam alam alam alam alam alam a		nagenesenen allefe die anderste die der Geschleichen die der Geschleichen die der Beschleichen die der Beschleichen der Beschleichen die der Besch	newnan yw yn ar yw ar yn a	annara mana ang ang ang ang ang ang ang ang ang	an water fam af fan fan werde fan en sen ster fan een ster fan een fan een ee sen een sen sen sen sen sen sen
			an fan en fan fan fan fan fan fan fan fan fan fa	n birnin (normal an	dan garan ku julian na mana mana mana mana dan dan dan dan dan dan dan dan dan	

4/8/z/ Paragon Water Quality Parameters Ker XUTAL Dag K.me at to 5121 Murrish 10,6 8.1 .2 02 4/8/21 8:45gm 4061 Elms 12.3 8.0 .2 .3 9.00 m 4-8-21 8083 Civic 12.1 7.8 .3 .3 9:25 cm 4-8-21



Friday, April 30, 2021

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Andy Harris Swartz Creek WDS 8083 Civic Drive Swartz Creek, MI 48473

Workorder: 368574 Project Name: City of Swartz Creek

Andy Harris,

Paragon Laboratories, Inc. received the samples associated with the workorder listed above for the analyses presented in the following report. The analyses pertain only to the aliquot of sample received.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number below.

Please note that any unused portion of the sample(s) will be discarded 40 days after sample receipt, unless requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact me at 734.469.5622.

Sincerely,

Muanna D. Ball

Breanna Bell Account Coordinator

GLOSSARY

Abbreviation	Meaning	Explanation
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(S)	Surrogate	A compound that is added to the sample to mimic one or more compounds of interest. Its recovery is used to evaluate the efficiency of recovering the compound(s) of interest.
<	Less Than	Symbol that indicates that a result is less than the value following it.
>	Greater Than	Symbol that indicates that a result is greater than the value following it.



SAMPLE SUMMARY

Lab ID	Sample ID	Sample Description	Matrix	Date Collected	Date Received	Collector
3685740001	5121 Morrish	WSSN: 6505	D	04/08/2021 00:00	04/08/2021 12:01	Sandford
3685740002	4061 Elms	WSSN: 6505	D	04/08/2021 00:00	04/08/2021 12:01	Sandford
3685740003	8083 Civic	WSSN: 6505	D	04/08/2021 00:00	04/08/2021 12:01	Sandford



WORKORDER SUMMARY

Accreditations

Paragon Laboratories, Inc. is certified by the Michigan Department of Environment, Great Lakes, and Energy to analyze Drinking Water. (EGLE Lab No. 9901 Expires 2/25/2023)

Workorder Narrative General Comments:

Samples were received on natural ice with an average temperature of 4.5°C on April 8, 2021.



Lab ID: 3685740001 Sample ID: 5121 Morrish Description: WSSN: 6505			Date Collected: Date Received:		/2021 00:00 /2021 12:01				Drinking Water, Pota Jay Sandford	ible (D)
Parameter	Result (Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	By
Calculated Parameters by SM	1 2340 B									
Hardness, Calcium as CaCO3	86	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Magnesium as CaCO3	31	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Total as CaCO3	120	mg/L		1.0		1			04/29/2021 15:10	RLC
Individual Parameters by EPA	300.0									
Chloride	11	mg/L		5.0		1		250	04/09/2021 11:09	DTM
Sulfate	27	mg/L		5.0		1		250	04/09/2021 11:09	DTM
Individual Parameters by SM	2130 B									
Turbidity	0.13	NTU		0.05		1		1	04/09/2021 15:10	TSD
Individual Parameters by SM	2320 B									
Alkalinity, Total as CaCO3	100	mg/L		10		1			04/12/2021 18:10	RLC
Individual Parameters by SM	4500-P E									
Orthophosphate, as P	0.72	mg/L		0.025		1			04/08/2021 15:00	RLC
Metals by EPA 200.7										
Aluminum, Total	0.094	mg/L		0.010		1		0.20	04/29/2021 15:10	RLC
Metals by EPA 200.8										
Copper, Total	0.0020	mg/L	0.	.0010		1		1.30	04/09/2021 10:32	DTM
Lead, Total	<0.0010	mg/L	0.	.0010		1		0.0150	04/09/2021 10:32	DTM
Zinc, Total	<0.0040	mg/L	0.	.0040		1		5	04/09/2021 10:32	DTM

Sample ID: 4061	740002 Elms SN: 6505		Date Collected: Date Received:		8/2021 00:00 8/2021 12:01				Drinking Water, Pota Jay Sandford	able (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Мах	Analyzed	By
Calculated Paramet	ers by SM 2340 B									
Hardness, Calcium as	CaCO3 73	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Magnesium	as CaCO3 33	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Total as Cal	003 110	mg/L		1.0		1			04/29/2021 15:10	RLC
Individual Paramete	rs by EPA 300.0									
Chloride	11	mg/L		5.0		1		250	04/09/2021 12:04	DTM
Sulfate	27	mg/L		5.0		1		250	04/09/2021 12:04	DTM
Individual Paramete	rs by SM 2130 B									
Turbidity	0.23	NTU		0.05		1		1	04/09/2021 15:10	TSD
Individual Paramete	rs by SM 2320 B									
Alkalinity, Total as CaC	:03 100	mg/L		10		1			04/12/2021 18:10	RLC
Individual Paramete	rs by SM 4500-P E									
Orthophosphate, as P	0.71	mg/L).025		1			04/08/2021 15:00	RLC
Metals by EPA 200.	7									
Aluminum, Total	0.025	mg/L	. (0.010		1		0.20	04/29/2021 15:10	RLC
Metals by EPA 200.	B									
Copper, Total	0.0046	mg/L	0.	0010		1		1.30	04/09/2021 10:32	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	04/09/2021 10:32	DTM
Zinc, Total	<0.0040	mg/L	0.	0040		1		5	04/09/2021 10:32	DTM

Lab ID: 368574(Sample ID: 8083 Civ Description: WSSN:	/ic		Date Collected: Date Received:		2021 00:00 2021 12:01		Ma Collec		Drinking Water, Pota Jay Sandford	ible (D)
Parameter	Result	Qual Unit		RL	MDL	DF	Min	Max	Analyzed	By
Calculated Parameters	by SM 2340 B						ν			
Hardness, Calcium as CaC	03 72	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Magnesium as (CaCO3 33	mg/L		1.0		1			04/29/2021 15:10	RLC
Hardness, Total as CaCO3	110	mg/L		1.0		1			04/29/2021 15:10	RLC
Individual Parameters b	y EPA 300.0									
Chloride	11	mg/L		5.0		1		250	04/09/2021 12:22	DTM
Sulfate	27	mg/L		5.0		1		250	04/09/2021 12:22	DTM
Individual Parameters b	y SM 2130 B									
Turbidity	0.22	NTU		0.05		1		1	04/09/2021 15:10	TSD
Individual Parameters b	y SM 2320 B									
Alkalinity, Total as CaCO3	100	mg/L		10		1			04/12/2021 18:10	RLC
Individual Parameters b	y SM 4500-P E									
Orthophosphate, as P	0.72	mg/L	. (0.025		1			04/08/2021 15:00	RLC
Metals by EPA 200.7										
Aluminum, Total	0.084	mg/L	. (0.010		1		0.20	04/29/2021 15:10	RLC
Metals by EPA 200.8										
Copper, Total	0.027	mg/L	0.	0010		1		1.30	04/09/2021 10:32	DTM
Lead, Total	<0.0010	mg/L	0.	0010		1		0.0150	04/09/2021 10:32	DTM
Zinc, Total	<0.0040	mg/L	0.	0040		1		5	04/09/2021 10:32	DTM

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CITY	OF	SWAR	TZ	CREEK
80	83	CIVI	CE	DR.
SWARTZ	CR	EEK,	MI	48473
(8	10)	635	-44	64

Work Order Type: WATER MAIN BREAK Status: Scheduled Date Filed: 04/29/2021 09:05 Scheduled By: JKEY

Scheduled Date: 04/29/21

Scheduled Time: 12:00 AM

Assigned To: HARRIS, ANDY

Filer Information

GENERAL MOTORS PO BOX 319022 CHICAGO IL 60631-9022 0000000000 Work Order #:WMBK21-0114 Location ID: DY10-003406-0000-01 Account #: 0001272400 Route/Book: CO Service Address:

3406 DYE RD SWARTZ CREEK MI 48473

Customer Information

GENERAL MOTORS PO BOX 319022 CHICAGO, IL 60631-9022 0000000000

Work Description:

WE HAVE ANOTHER BREAK THIS MORNING AT THE GM DRIVE ON DYE ROAD.

WAS CALLED AROUND 12:30 AND CONTRACTOR IS CURRENTLY WORKING ON IT.

Result Description

Average Usage

431.00

	Service/Meter 1	
Previous Read: 35800 Date:	06/01/09	Line Type:
Meter Type: NEPTUNE		Size: 5/8 X 3/4 R900
Meter Serial #: 32591428	Auto ID: 14602318	34
Location: 01272400 RADIO 4 WHEEL		
New Meter:		
Meter/Reader Serial Digits:		
Multiplier:		
Hi # Low #		
Old Read:	_ Starting Read:	
Completed By:		Date

9-13-21

	TOTAL	FREE
MIDDLE SCHOOL 8230 CRAPO	0.3	0.3
HIGH SCHOOL I DRAGONI DR	0.3	0.3
SYRING SCHOOL 5300 UAILVIEW	0.4	0.4
3462 DYE ROAD MTA		بو

Rotanne 132-0079

 $9 \cdot 28 - 21$ TOTALFREEMIDDLE SCHOOL $0 \cdot 3$ $0 \cdot 3$ HIGH SCHOOL $0 \cdot 3$ $0 \cdot 3$ SYRING SCHOOL $0 \cdot 5$ $0 \cdot 5$ 3462-DYE ROAD MTA7



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIL DRIVE SWARTZ CREEK MI 48473

Sample ID: LJ77914 Work Order: 10901510_01

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	8230 CRAPO STREET, SWARTZ CREE	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	09/13/2021	10:45
Sample Point:	KITCHEN SINK	Date Received:	09/14/2021	07:55
Water System:	Treated Public Distribution System	Purpose:	Routine Monite	oring

TESTI	NG INFORMAT	ON			REG	ULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	1		09/14/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform I	Results: Positiv	ve = Total C	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co Coli bacteria w	li bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603

mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIL DRIVE SWARTZ CREEK MI 48473

Sample ID: LJ77916 Work Order: 10901510_03

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	1 DRAGON DRIVE, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	09/13/2021	11:15
Sample Point:	KITCHEN SINK	Date Received:	09/14/2021	07:55
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TESTI	NG INFORMATI	ON			REG	ULATORY INFO	RMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected	ł		09/14/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform F	Results: Positiv	e = Total Co	liform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below.

Genesee County Health Dept. 630 South Saginaw Flint, MI 48502-1540 810 257-3603



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY

USEPA Region V Drinking Water Cert. No. MI00003

Official Laboratory Report

Report To: ROBERT BINCSIK 8083 CIVIL DRIVE SWARTZ CREEK MI 48473

Sample ID: LJ77915 Work Order: 10901510_02

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	5300 OAKVIEW, SWARTZ CREEK	Source:	TYPE III	
Collected By:	REBECCA BOSAS	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	09/13/2021	11:50
Sample Point:	KITCHEN SINK	Date Received:	09/14/2021	07:55
Water System:	Treated Public Distribution System	Purpose:	Routine Monit	oring

TES	FING INFORMAT	ION			REG	ULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 m	L Not Detecte	3		09/14/202	21	SM 9223 B	ТС-00-В
Explanation of Coliform	Results: Positi	ve = Total Co	oliform <u>was</u>	E. coli bacteria <u>found</u> and E. co . Coli bacteria w	oli bacteria <u>was</u>		

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mg/L: milligrams / Liter (ppm)



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER LABORATORY USEPA Region V Drinking Water Cert. No. MI00003 P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-8184 FAX: (517) 335-8562

Official Laboratory Report

Report To:	ROB BENCSIK	Sample ID:	LJ81461
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10903767_01

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK HIGH SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	09/28/2021	09:36
Sample Point:	KITCHEN SINK	Date Received:	09/29/2021	07:42
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIO	N			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			09/29/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positive	Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found					

The analyses performed by the EGLE Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

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Official Laboratory Report

Report To:	ROB BENCSIK	Sample ID:	LJ81462
	8083 CIVIC DR SWARTZ CREEK MI 48473	Work Order:	10903767_02

System Name/Owner:	GENESEE COUNTY WATER SYSTEMS	WSSN/Pool ID:	6505	
Collection Address:	SWARTZ CREEK MIDDLE SCHOOL, SWAR	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	//	Collector:	Other	
County:	Genesee	Date Collected:	09/28/2021	09:23
Sample Point:	KITCHEN SINK	Date Received:	09/29/2021	07:42
Water System:	Treated Public Distribution System	Purpose:	Routine Monitor	ing

TES	TING INFORMATIO	N			RE	GULATORY INFO	DRMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			09/29/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Re	esults: Positíve	Not Detected = Coliform and E. coli bacteria were Positive = Total Coliform <u>was found</u> and E. coli bac EC Positive = Coliform and E. Coli bacteria were for				<u>nd</u>	

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mg/L: milligrams / Liter (ppm) ng/L: nanograms / Liter (ppt) MPN: Most Probable Number



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Official Laboratory Report

Report To:	ROB BENCSIK
	8083 CIVIC DR
	SWARTZ CREEK MI 48473

Sample ID:	LJ81463
Work Order:	10903767_03

System Name/Owner:	GENESEE COUNTY WATER SYSTEM	WSSN/Pool ID:	6505	
Collection Address:	SYRING ELEMENTARY SCHOOL, SWARTZ	Source:	TYPE III	
Collected By:	ROD	Site Code:		
Township/Well#/Section:	11	Collector:	Other	
County:	Genesee	Date Collected:	09/28/2021	09:55
Sample Point:	KITCHEN SINK	Date Received:	09/29/2021	07:42
Water System:	Treated Public Distribution System	Purpose:	Routine Monito	ring

TES	TING INFORMATIO	NC			RE	GULATORY INFO	ORMATION
Analyte Name	Result	Units	RL	Date Tested	MCL/AL	Method	CAS #
Coliform Organisms per 100 mL	Not Detected			09/29/202	1	SM 9223 B	ТС-00-В
Explanation of Coliform Ro	esults: Positiv	Not Detected = Coliform and E. coli bacteria were not found Positive = Total Coliform <u>was found</u> and E. coli bacteria <u>was not found</u> EC Positive = Coliform and E. Coli bacteria were found					

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