



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
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

Sample Number  
LC58298

Official Laboratory Report

Report To: TRAVERSE CITY WATER TREATMENT  
PO BOX 592  
TRAVERSE CITY MI 49684

System Name/Owner:	CITY OF TRAVERSE CITY	WSSN/Pool ID:	06640
Collection Address:	2010 EASTERN AVE, TRAVERSE CITY	Source:	TYPE I
Collected By:	CARL HOLDER	Site Code:	E-600
Township/Well#/Section:	TRAVERSE CITY//1	Collector:	Other
County:	Grand Traverse	Date Collected:	01/12/2009 12:00
Sample Point:	PLANT TAP	Date Received:	01/13/2009 12:54
Water System:	Public System Surface Water	Purpose:	Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Antimony	Not detected	01/20/2009	0.0006	0.006	EPA 200.8	7440-36-0
Arsenic	Not detected	01/20/2009	0.002	0.010	EPA 200.8	7440-38-2
Barium	0.02	01/20/2009	0.01	2	EPA 200.8	7440-39-3
Beryllium	Not detected	01/20/2009	0.0004	0.004	EPA 200.8	7440-41-7
Cadmium	Not detected	01/20/2009	0.0003	0.005	EPA 200.8	7440-43-9
Chloride	9	01/13/2009	4		SM 4500-CI E	7647-14-5
Chromium	Not detected	01/20/2009	0.01	0.1	EPA 200.8	7440-47-3
Fluoride	0.98	01/13/2009	0.1	4.0	SM 4500 FC	16984-48-8
Hardness as CaCO3	126	01/13/2009	20		SM 2340 C	HARD-00-C
Iron (automated)	Not detected	01/13/2009	0.1		SM 3500 FeB	7439-89-6
Lead	Not detected	01/20/2009	0.001	0.015	EPA 200.8	7439-92-1
Mercury	Not detected	01/20/2009	0.0001	0.002	EPA 200.8	7439-97-6
Nickel	Not detected	01/20/2009	0.01	0.1	EPA 200.8	7440-02-0
Nitrate as N	Not Detected	01/13/2009	0.4	10	SM 4500 NO3H	14797-55-8
Nitrite as N	Not detected	01/13/2009	0.05	1	SM 4500 NO3H	14797-65-0
Selenium	Not detected	01/20/2009	0.001	0.05	EPA 200.8	7782-49-2
Sodium (automated)	9	01/13/2009	5		SM 3500 NaB	7440-23-5
Sulfate	23	01/13/2009	10		SM 4500 SO4E	14808-79-8
Thallium	0.0002	01/20/2009	0.0002	0.002	EPA 200.8	7440-28-0
<b>Volatile Organic Compounds</b>						
1,1 Dichloroethane	Not Detected	01/13/2009	0.0005		EPA 524.2	75-34-3
1,1 Dichloroethylene	Not Detected	01/13/2009	0.0005	0.007	EPA 524.2	75-35-4

CAS# : Chemical Abstract Service Registry Number  
MCL : Maximum Contaminant Level  
AL : Action Level  
RL : Reporting Limit

mg/L : milligrams / Liter (ppm)  
ppm : parts per million  
MPN : Most Probable Number  
CFU : Colony Forming Unit

Laboratory Contacts  
Drinking Water Unit Mgr: Julia Pieper  
Systems Mgmt. Unit Mgr: George Krisztian



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Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
<b>Volatile Organic Compounds</b>						
1,1 Dichloropropene	Not Detected	01/13/2009	0.0005		EPA 524.2	563-58-6
1,1,1 Trichloroethane	Not Detected	01/13/2009	0.0005	0.2	EPA 524.2	71-55-6
1,1,1,2 Tetrachloroethane	Not Detected	01/13/2009	0.0005		EPA 524.2	630-20-6
1,1,2 Trichloroethane	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	79-00-5
1,1,2,2 Tetrachloroethane	Not Detected	01/13/2009	0.0005		EPA 524.2	79-34-5
1,2 Dichlorobenzene	Not Detected	01/13/2009	0.0005	0.6	EPA 524.2	95-50-1
1,2 Dichloroethane	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	107-06-2
1,2 Dichloropropane	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	78-87-5
1,2,3 Trichlorobenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	87-61-6
1,2,3 Trichloropropane	Not Detected	01/13/2009	0.0005		EPA 524.2	96-18-4
1,2,4 Trichlorobenzene	Not Detected	01/13/2009	0.0005	0.07	EPA 524.2	120-82-1
1,2,4 Trimethylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	95-63-6
1,3 Dichlorobenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	541-73-1
1,3 Dichloropropane	Not Detected	01/13/2009	0.0005		EPA 524.2	142-28-9
1,3,5 Trimethylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	108-67-8
1,4 Dichlorobenzene	Not Detected	01/13/2009	0.0005	0.075	EPA 524.2	106-46-7
2,2 Dichloropropane	Not Detected	01/13/2009	0.0005		EPA 524.2	594-20-7
Benzene	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	71-43-2
Bromobenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	108-86-1
Bromochloromethane	Not Detected	01/13/2009	0.0005		EPA 524.2	74-97-5
Bromodichloromethane	0.0047	01/13/2009	0.0005	0.080	EPA 524.2	75-27-4
Bromoform	TRACE	01/13/2009	0.0005	0.080	EPA 524.2	75-25-2
Bromomethane	Not Detected	01/13/2009	0.001		EPA 524.2	74-83-9
Carbon tetrachloride	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	56-23-5
Chlorobenzene	Not Detected	01/13/2009	0.0005	0.1	EPA 524.2	108-90-7
Chlorodibromomethane	0.0026	01/13/2009	0.0005	0.080	EPA 524.2	124-48-1
Chloroethane	Not Detected	01/13/2009	0.0005		EPA 524.2	75-00-3
Chloroform	0.0043	01/13/2009	0.0005	0.080	EPA 524.2	67-66-3
Chloromethane	Not Detected	01/13/2009	0.0005		EPA 524.2	74-87-3
cis-1,2 Dichloroethylene	Not Detected	01/13/2009	0.0005	0.07	EPA 524.2	156-59-2
cis-1,3 Dichloropropene	Not Detected	01/13/2009	0.0005		EPA 524.2	10061-01-5
Dibromomethane	Not Detected	01/13/2009	0.0005		EPA 524.2	74-95-3
Dichlorodifluoromethane	Not Detected	01/13/2009	0.001		EPA 524.2	75-71-8
Dichloromethane	Not Detected	01/13/2009	0.0006	0.005	EPA 524.2	75-09-2
Ethylbenzene	Not Detected	01/13/2009	0.0005	0.7	EPA 524.2	100-41-4
Fluorotrichloromethane	Not Detected	01/13/2009	0.001		EPA 524.2	75-69-4
Hexachlorobutadiene	Not Detected	01/13/2009	0.0005		EPA 524.2	87-68-3
Isopropylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	98-82-8
m & p-Xylene	Not Detected	01/13/2009	0.0005	10	EPA 524.2	XYLMP-00-C

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<b>Volatile Organic Compounds</b>						
Methyl ethyl ketone	Not Detected	01/13/2009	0.005		EPA 524.2	78-93-3
Methyl isobutyl ketone	Not Detected	01/13/2009	0.005		EPA 524.2	108-10-1
Methyl-tert-butyl ether (MTBE)	Not Detected	01/13/2009	0.001		EPA 524.2	1634-04-4
Naphthalene	Not Detected	01/13/2009	0.0005		EPA 524.2	91-20-3
n-Butylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	104-51-8
Nitrobenzene	Not Detected	01/13/2009	0.01		EPA 524.2	98-95-3
n-Propylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	103-65-1
o-Chlorotoluene	Not Detected	01/13/2009	0.0005		EPA 524.2	95-49-8
o-Xylene	Not Detected	01/13/2009	0.0005	10	EPA 524.2	95-47-6
p-Chlorotoluene	Not Detected	01/13/2009	0.0005		EPA 524.2	106-43-4
p-Isopropyltoluene	Not Detected	01/13/2009	0.0005		EPA 524.2	99-87-6
sec-Butylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	135-98-8
Styrene	Not Detected	01/13/2009	0.0005	0.1	EPA 524.2	100-42-5
tert-Butylbenzene	Not Detected	01/13/2009	0.0005		EPA 524.2	98-06-6
Tetrachloroethylene	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	127-18-4
Tetrahydrofuran	Not Detected	01/13/2009	0.005		EPA 524.2	109-99-9
Toluene	Not Detected	01/13/2009	0.0005	1	EPA 524.2	108-88-3
Total Trihalomethanes	0.0116	01/13/2009		0.080	EPA 524.2	TTHM-00-C
Total Xylenes	Not Detected	01/13/2009		10	EPA 524.2	1330-20-7
trans-1,2 Dichloroethylene	Not Detected	01/13/2009	0.0005	0.1	EPA 524.2	156-60-5
trans-1,3 Dichloropropene	Not Detected	01/13/2009	0.0005		EPA 524.2	10061-02-6
Trichloroethylene	Not Detected	01/13/2009	0.0005	0.005	EPA 524.2	79-01-6
Vinyl chloride	Not Detected	01/13/2009	0.0004	0.002	EPA 524.2	75-01-4

The analyses performed by the MDEQ 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:**

**Grand Traverse Health Dept.  
2650 LaFranier Road  
Traverse City, MI 49686  
231 995-6051**

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