

Michigan Department of Environmental Quality

DWRP Laboratory Services - Drinking Water Lab
 USEPA Region V Drinking Water Lab Cert. No. MI00003
 P.O. Box 30270, Lansing, MI 48909-7770

TEL: 517/335-8184 FAX: 517/335-8562

Official Laboratory Report

Report To:

City of Traverse City
 400 Boardman
 Traverse City MI 49684

Sample Number: C2001005189
 Customer Number: 73568000

System Name/Owner: CITY OF TRAVERSE CITY

WSSN / Pool ID: 6640

Collection Address: 2010 Eastern Avenue - Water Plant, Traverse C

Source: Type I

Collected By: CARL HOLDER

Site Code: E-600

Twp/Sec/Well #: Grand Traverse/06/SURFACE WATER

Collector: Public Water Supply Operator

County: Grand Traverse

Sample Date: 11/06/2000 9:00:00AM

Sample Point: PLANT TAP

Received: 11/07/2000 2:17:00PM

Sample Kit #: 32

Purpose: Routine Monitoring

Chlorination: Yes

Water System: Public System Surface Water

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed
8 mg/L	CHLORIDE (AUTOMATED)	11/08/2000		4 mg/L	CRA 19960701
0.9 mg/L	FLUORIDE (AUTOMATED)	11/08/2000	4.0 mg/L	0.1 mg/L	CRA 19960701
110 mg/L	HARDNESS AS CaCO3	11/08/2000		10 mg/L	CRA 19960701
Not Detected	IRON (AUTOMATED)	11/08/2000		0.1 mg/L	CRA 19960701
Not Detected	NITRATE AS N (AUTOMATED)	11/08/2000	10 mg/L	0.4 mg/L	CRA 19960701
Not Detected	NITRITE AS N (AUTOMATED)	11/08/2000	1 mg/L	0.05 mg/L	CRA 19960701
6 mg/L	SODIUM (AUTOMATED)	11/08/2000		5 mg/L	CRA 19960701
22 mg/L	SULFATE (AUTOMATED)	11/08/2000		5 mg/L	CRA 19960701

Lab Comments:
 None

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Sample Number: C2001005190
Customer Number: 73568000

System Name/Owner: City of Traverse City

WSSN / Pool ID: 6640

Collection Address: 2010 Eastern Avenue - Water Plant, Traverse C

Source: Type I

Collected By: CARL HOLDER

Site Code: E-600

Twp/Sec/Well #: City of Traverse Cit/06/SURFACE WATER

Collector: Public Water Supply Operator

County: Grand Traverse

Sample Date: 11/06/2000 9:00:00AM

Sample Point: PLANT TAP

Received: 11/07/2000 2:17:00PM

Sample Kit #: 36ME

Purpose: Routine Monitoring

Chlorination: Yes

Water System: Public System Surface Water

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed
Not Detected	ANTIMONY	11/13/2000	0.006 mg/L	0.0006 mg/L	CSB 19960701
0.001 mg/L	ARSENIC	11/13/2000	0.05 mg/L	0.001 mg/L	CAS 19970415
Not Detected	BARIUM	11/13/2000	2 mg/L	0.030 mg/L	CBA 19960701
Not Detected	BERYLLIUM	11/13/2000	0.004 mg/L	0.0004 mg/L	CBE 19960701
Not Detected	CADMIUM	11/13/2000	0.005 mg/L	0.0003 mg/L	CCD 19960701
Not Detected	CHROMIUM	11/13/2000	0.1 mg/L	0.01 mg/L	CCR 19960701
Not Detected	LEAD BY ICP/MS	11/13/2000		0.003 mg/L	CPB 19991210
Not Detected	MERCURY	11/13/2000	0.002 mg/L	0.00010 mg/L	CHG 19970415
Not Detected	NICKEL	11/13/2000	0.1 mg/L	0.010 mg/L	CNI 19960701
Not Detected	SELENIUM	11/13/2000	0.05 mg/L	0.005 mg/L	CSE 19960701
Not Detected	THALLIUM	11/13/2000	0.002 mg/L	0.0002 mg/L	CTL 19960701

Lab Comments:

None

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Report To:

City of Traverse City
400 Boardman
Traverse City MI 49684

Sample Number: C2001005191
Customer Number: 73568000

System Name/Owner: City of Traverse City	WSSN / Pool ID: 6640
Collection Address: 2010 Eastern Avenue - Water Plant, Traverse C	Source: Type I
Collected By: CARL HOLDER	Site Code: E-600
Twp/Sec/Well #: City of Traverse/06/SURFACE WATER	Collector: Public Water Supply Operator
County: Grand Traverse	Sample Date: 11/06/2000 9:00:00AM
Sample Point: PLANT TAP	Received: 11/07/2000 2:17:00PM
Sample Kit #: 36VO	Purpose: Routine Monitoring
Chlorination: Yes	Water System: Public System Surface Water

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed	
Not Detected	BENZENE	11/07/2000	0.005 mg/L	0.0005 mg/L	CXVO	19960701
Not Detected	BROMOBENZENE	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	BROMOCHLOROMETHANE	11/07/2000		0.0005 mg/L	CXVO	19960701
Trace	BROMOFORM	11/07/2000	0.10 mg/L	0.0004 mg/L	CXVO	19960701
Not Detected	BROMOMETHANE	11/07/2000		0.020 mg/L	CXVO	19960701
Not Detected	BUTYLBENZENE, NORMAL-	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	BUTYLBENZENE, SEC-	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	BUTYLBENZENE, TERT-	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	CARBON TETRACHLORIDE	11/07/2000	0.005 mg/L	0.0004 mg/L	CXVO	19960701
Not Detected	CHLOROBENZENE	11/07/2000	0.1 mg/L	0.0005 mg/L	CXVO	19960701
0.0034 mg/L	CHLORODIBROMOMETHANE	11/07/2000	0.10 mg/L	0.0004 mg/L	CXVO	19960701
Not Detected	CHLOROETHANE	11/07/2000		0.020 mg/L	CXVO	19960701
0.0075 mg/L	CHLOROFORM	11/07/2000	0.10 mg/L	0.0004 mg/L	CXVO	19960701
Not Detected	CHLOROMETHANE	11/07/2000		0.05 mg/L	CXVO	19960701
Not Detected	CHLOROTOLUENE (COMBINED)	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	DIBROMO-3-CHLOROPROPANE, 1,2-	11/07/2000		0.0025 mg/L	CXVO	19960701
Not Detected	DIBROMOETHANE 1,2- (EDB)	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	DIBROMOMETHANE	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	DICHLOROBENZENE, 1,2-	11/07/2000	0.6 mg/L	0.0005 mg/L	CXVO	19960701
Not Detected	DICHLOROBENZENE, 1,3-	11/07/2000		0.0004 mg/L	CXVO	19960701
Not Detected	DICHLOROBENZENE, 1,4-	11/07/2000	0.075 mg/L	0.0004 mg/L	CXVO	19960701
0.0067 mg/L	DICHLOROBROMOMETHANE	11/07/2000	0.10 mg/L	0.0004 mg/L	CXVO	19960701
Not Detected	DICHLOROBUTANE, 1,4-	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	DICHLORODIFLUOROMETHANE	11/07/2000		0.001 mg/L	CXVO	19960701
Not Detected	DICHLOROETHANE, 1,1-	11/07/2000		0.0005 mg/L	CXVO	19960701
Not Detected	DICHLOROETHANE, 1,2-	11/07/2000	0.005 mg/L	0.0005 mg/L	CXVO	19960701

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Official Laboratory Report

11/13/2000
 C2001005191

2010 Eastern Avenue - Water Plant, Traverse C

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed
Not Detected	DICHLOROETHYLENE,1,1-	11/07/2000	0.007 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROETHYLENE,1,2-CIS	11/07/2000	0.07 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	DICHLOROETHYLENE,1,2-TRANS	11/07/2000	0.1 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPANE,1,2-	11/07/2000	0.005 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPANE,1,3-	11/07/2000		0.001 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPANE,2,2-	11/07/2000		0.001 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,1-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,3-CIS	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,3-TRANS	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	ETHYLBENZENE	11/07/2000	0.7 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	FLUOROTRICHLOROMETHANE	11/07/2000		0.001 mg/L	CXVO 19960701
Not Detected	HEXACHLOROBUTADIENE	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	HEXACHLOROETHANE	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	ISOPROPYL BENZENE	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	ISOPROPYL TOLUENE, PARA-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	METHYL ETHYL KETONE	11/07/2000		0.02 mg/L	CXVO 19960701
Not Detected	METHYL ISOBUTYL KETONE	11/07/2000		0.02 mg/L	CXVO 19960701
Not Detected	METHYL TERT-BUTYL ETHER	11/07/2000		0.001 mg/L	CXVO 19960701
Not Detected	METHYLENE CHLORIDE	11/07/2000	0.005 mg/L	0.0006 mg/L	CXVO 19960701
Not Detected	NAPHTHALENE	11/07/2000		0.001 mg/L	CXVO 19960701
Not Detected	NITROBENZENE	11/07/2000		0.01 mg/L	CXVO 19960701
Not Detected	PROPYLBENZENE, NORMAL-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	STYRENE	11/07/2000	0.1 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHANE,1,1,1,2-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHANE,1,1,2,2-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHYLENE	11/07/2000	0.005 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	TETRAHYDROFURAN	11/07/2000		0.005 mg/L	CXVO 19960701
Not Detected	TOLUENE	11/07/2000	1 mg/L	0.0005 mg/L	CXVO 19960701
0.0176 mg/L	TOTAL TRIHALOMETHANES	11/07/2000	0.10 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	TRICHLOROBENZENE,1,2,3-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROBENZENE,1,2,4-	11/07/2000	0.07 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHANE,1,1,1-	11/07/2000	0.2 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHANE,1,1,2-	11/07/2000	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHYLENE	11/07/2000	0.005 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	TRICHLOROPROPANE,1,2,3-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	TRIMETHYLBENZENE,1,2,4-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	TRIMETHYLBENZENE,1,3,5-	11/07/2000		0.0005 mg/L	CXVO 19960701
Not Detected	VINYL CHLORIDE	11/07/2000	0.002 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	XYLENE, ORTHO-	11/07/2000	10 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	XYLENE,META-&PARA-	11/07/2000	10 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	XYLENES (TOTAL)	11/07/2000	10 mg/L	0.0005 mg/L	CXVO 19960701

Lab Comments:

BROMOFORM is below the normal reporting limit of 0.0004mg/L; however, test data indicate it may be present in trace amounts greater than 0.0002mg/L.