

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 Avenue
PO Box 592
Traverse City MI 49684

Sample Number: C2004014614

Customer Number: 73568000

System Name/Owner: City of Traverse City

WSSN / Pool ID: 6640

Collection Address: 2010 Eastern Avenue, Traverse City 49686

Source: Type I

Collected By: CARL HOLDER

Site Code: E-600

Twp/Sec/Well #: Traverse City/ ? / ?

Collector: Other

County: Grand Traverse

Sample Date: 2/23/2004 12:00:00AM

Sample Point: PLANT TAP

Received: 2/24/2004 11:23:00AM

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
11 mg/L	CHLORIDE (AUTOMATED)	2/24/2004		4 mg/L	CRA 19960701
0.9 mg/L	FLUORIDE (AUTOMATED)	2/24/2004	4.0 mg/L	0.1 mg/L	CRA 19960701
125 mg/L	HARDNESS AS CaCO3	2/24/2004		10 mg/L	CRA 19960701
Not Detected	IRON (AUTOMATED)	2/24/2004		0.1 mg/L	CRA 19960701
Not Detected	NITRATE AS N (AUTOMATED)	2/24/2004	10 mg/L	0.4 mg/L	CRA 19960701
Not Detected	NITRITE AS N (AUTOMATED)	2/24/2004	1 mg/L	0.05 mg/L	CRA 19960701
7 mg/L	SODIUM (AUTOMATED)	2/24/2004		5 mg/L	CRA 19960701
24 mg/L	SULFATE (AUTOMATED)	2/24/2004		5 mg/L	CRA 19960701

Lab Comments:

None

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Official Laboratory Report

Report To:

City of Traverse City
400 Boardman Avenue
PO Box 592
Traverse City MI 49684

Sample Number: C2004014615

Customer Number: 73568000

System Name/Owner: City of Traverse City

WSSN / Pool ID: 6640

Collection Address: 2010 Eastern Avenue, Traverse City 49686

Source: Type I

Collected By: CARL HOLDER

Site Code: E-600

Twp/Sec/Well #: Traverse City/01/ ?

Collector: Public Water Supply Operator

County: Grand Traverse

Sample Date: 2/23/2004 11:00:00AM

Sample Point: PLANT TAP

Received: 2/24/2004 11:23:00AM

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	3/4/2004	0.006 mg/L	0.0006 mg/L	CSB 19960701
0.002 mg/L	ARSENIC	3/4/2004	0.01 mg/L	0.002 mg/L	CAS 19970415
0.02 mg/L	BARIUM	3/4/2004	2 mg/L	0.01 mg/L	CBA 19960701
Not Detected	BERYLLIUM	3/4/2004	0.004 mg/L	0.0004 mg/L	CBE 19960701
Not Detected	CADMIUM	3/4/2004	0.005 mg/L	0.0003 mg/L	CCD 19960701
Not Detected	CHROMIUM	3/4/2004	0.1 mg/L	0.01 mg/L	CCR 19960701
Not Detected	LEAD BY ICP/MS	3/4/2004		0.001 mg/L	CPB 19991210
Not Detected	MERCURY	3/4/2004	0.002 mg/L	0.0001 mg/L	CHG 19970416
Not Detected	NICKEL	3/4/2004	0.1 mg/L	0.01 mg/L	CNI 19960701
0.002 mg/L	SELENIUM	3/4/2004	0.05 mg/L	0.001 mg/L	CSE 19960701
Not Detected	THALLIUM	3/4/2004	0.002 mg/L	0.0002 mg/L	CTL 19960701

Lab Comments:

None

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Official Laboratory Report

Report To:

City of Traverse City
400 Boardman Avenue
PO Box 592
Traverse City MI 49684

Sample Number: C2004014617
Customer Number: 73568000

System Name/Owner: City of Traverse City

WSSN / Pool ID: 6640

Collection Address: 2010 Eastern Avenue, Traverse City 49686

Source: Type I

Collected By: CARL HOLDER

Site Code: E-600

Twp/Sec/Well #: Traverse City/01/ ?

Collector: Public Water Supply Operator

County: Grand Traverse

Sample Date: 2/23/2004 10:55:00AM

Sample Point: PLANT TAP

Received: 2/24/2004 11:23:00AM

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	2/26/2004	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	BROMOBENZENE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	BROMOCHLOROMETHANE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	BROMOFORM	2/26/2004	0.080 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	BROMOMETHANE	2/26/2004		0.001 mg/L	CXVO 19960701
Not Detected	BUTYLBENZENE, NORMAL-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	BUTYLBENZENE, SEC-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	BUTYLBENZENE, TERT-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	CARBON TETRACHLORIDE	2/26/2004	0.005 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	CHLOROBENZENE	2/26/2004	0.1 mg/L	0.0005 mg/L	CXVO 19960701
0.0022 mg/L	CHLORODIBROMOMETHANE	2/26/2004	0.080 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	CHLOROETHANE	2/26/2004		0.0005 mg/L	CXVO 19960701
0.0029 mg/L	CHLOROFORM	2/26/2004	0.080 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	CHLOROMETHANE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	CHLOROTOLUENE (COMBINED)	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DIBROMOMETHANE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROBENZENE,1,2-	2/26/2004	0.6 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROBENZENE,1,3-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROBENZENE,1,4-	2/26/2004	0.075 mg/L	0.0004 mg/L	CXVO 19960701
0.0033 mg/L	DICHLOROBROMOMETHANE	2/26/2004	0.080 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLORODIFLUOROMETHANE	2/26/2004		0.001 mg/L	CXVO 19960701
Not Detected	DICHLOROETHANE,1,1-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROETHANE,1,2-	2/26/2004	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROETHYLENE,1,1-	2/26/2004	0.007 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROETHYLENE,1,2-CIS	2/26/2004	0.07 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	DICHLOROETHYLENE,1,2-TRANS	2/26/2004	0.1 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPANE,1,2-	2/26/2004	0.005 mg/L	0.0004 mg/L	CXVO 19960701

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2010 Eastern Avenue, Traverse City 49686

Test Result	Analyte Name	Tested	Limit MCL	Rpt Limit	Test Performed
Not Detected	DICHLOROPROPANE,1,3-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPANE,2,2-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,1-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,3-CIS	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	DICHLOROPROPENE,1,3-TRANS	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	ETHYLBENZENE	2/26/2004	0.7 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	FLUOROTRICHLOROMETHANE	2/26/2004		0.001 mg/L	CXVO 19960701
Not Detected	HEXACHLOROBUTADIENE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	ISOPROPYL BENZENE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	ISOPROPYL TOLUENE, PARA-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	METHYL ETHYL KETONE	2/26/2004		0.005 mg/L	CXVO 19960701
Not Detected	METHYL ISOBUTYL KETONE	2/26/2004		0.005 mg/L	CXVO 19960701
Not Detected	METHYL TERT-BUTYL ETHER	2/26/2004		0.001 mg/L	CXVO 19960701
Not Detected	METHYLENE CHLORIDE	2/26/2004	0.005 mg/L	0.0006 mg/L	CXVO 19960701
Not Detected	NAPHTHALENE	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	NITROBENZENE	2/26/2004		0.01 mg/L	CXVO 19960701
Not Detected	PROPYLBENZENE, NORMAL-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	STYRENE	2/26/2004	0.1 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHANE,1,1,1,2-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHANE,1,1,2,2-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	TETRACHLOROETHYLENE	2/26/2004	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TETRAHYDROFURAN	2/26/2004		0.005 mg/L	CXVO 19960701
Not Detected	TOLUENE	2/26/2004	1 mg/L	0.0005 mg/L	CXVO 19960701
0.0084 mg/L	TOTAL TRIHALOMETHANES	2/26/2004	0.080 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROBENZENE,1,2,3-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROBENZENE,1,2,4-	2/26/2004	0.07 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHANE,1,1,1-	2/26/2004	0.2 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHANE,1,1,2-	2/26/2004	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROETHYLENE	2/26/2004	0.005 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	TRICHLOROPROPANE,1,2,3-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	TRIMETHYLBENZENE,1,2,4-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	TRIMETHYLBENZENE,1,3,5-	2/26/2004		0.0005 mg/L	CXVO 19960701
Not Detected	VINYL CHLORIDE	2/26/2004	0.002 mg/L	0.0004 mg/L	CXVO 19960701
Not Detected	XYLENE, ORTHO-	2/26/2004	10 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	XYLENE,META-&PARA-	2/26/2004	10 mg/L	0.0005 mg/L	CXVO 19960701
Not Detected	XYLENES (TOTAL)	2/26/2004	10 mg/L	0.0005 mg/L	CXVO 19960701

Lab Comments:

None