

**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  
LH33630**

Official Laboratory Report

Report To: CITY OF MARYSVILLE  
1535 RIVER RD  
MARYSVILLE MI 48040

System Name/Owner: CITY OF MARYSVILLE  
Collection Address: 1535 RIVER RD, MARYSVILLE  
Collected By: WRUBER  
Township/Well#/Section: //  
County: St Clair  
Sample Point: PLANT TAP  
Water System: Pressure Tank/Plant Tap

WSSN/Pool ID: 4160  
Source: TYPE I  
Site Code: TP100  
Collector: Public Water Supply Operator  
Date Collected: 08/10/2017 07:30  
Date Received: 08/11/2017 10:56  
Purpose: Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Chloride	9	08/11/2017	4		SM 4500-CI E	7647-14-5
Cyanide-Available	Not Detected	08/22/2017	0.02	0.2	ASTM D6888-04	57-12-5
Fluoride	0.69	08/11/2017	0.1	4.0	SM 4500 FC	16984-48-8
Hardness as CaCO3	101	08/11/2017	20		SM 2340 C	HARD-00-C
Iron (automated)	Not detected	08/11/2017	0.1		SM 3500 FeB	7439-89-6
Nitrate as N	Not Detected	08/11/2017	0.4	10	10-107-04-2-B	14797-55-8
Nitrite as N	Not detected	08/11/2017	0.05	1	10-107-04-2-B	14797-65-0
Sodium (automated)	7	08/11/2017	5		SM 3500 NaB	7440-23-5
Sulfate	13	08/11/2017	10		SM 4500 SO4E	14808-79-8
Total Organic Carbon	2.08	08/23/2017	0.5		SM 5310C	TOC-00-C

**Carbamates by HPLC**

3 Hydroxycarbofuran	Not Detected	08/17/2017	0.001		EPA 531.2	16655-82-6
Aldicarb	Not Detected	08/17/2017	0.0005		EPA 531.2	116-06-3
Aldicarb sulfone	Not Detected	08/17/2017	0.0005		EPA 531.2	1646-88-4
Aldicarb sulfoxide	Not Detected	08/17/2017	0.0005		EPA 531.2	1646-87-3
Carbaryl	Not Detected	08/17/2017	0.001		EPA 531.2	63-25-2
Carbofuran	Not Detected	08/17/2017	0.0005	0.04	EPA 531.2	1563-66-2
Methiocarb	Not Detected	08/17/2017	0.001		EPA 531.2	2032-65-7
Methomyl	Not Detected	08/17/2017	0.001		EPA 531.2	16752-77-5
Oxamyl	Not Detected	08/17/2017	0.001	0.2	EPA 531.2	23135-22-0
Propoxur	Not Detected	08/17/2017	0.001		EPA 531.2	114-26-1

**Chlorinated Acid Herbicides**

2,4,5-T	Not Detected	08/17/2017	0.002		EPA 515.4	93-76-5
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mg/L : milligrams / Liter (ppm)  
ppm : parts per million  
MPN : Most Probable Number  
CFU : Colony Forming Unit

Laboratory Contact: Scott Hayward

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Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
<b>Chlorinated Acid Herbicides</b>						
2,4,5-TP (silvex)	Not Detected	08/17/2017	0.0002	0.05	EPA 515.4	93-72-1
2,4-D	Not Detected	08/17/2017	0.001	0.07	EPA 515.4	94-75-7
Acifluorfen	Not Detected	08/17/2017	0.004		EPA 515.4	50594-66-6
Bentazon	Not Detected	08/17/2017	0.002		EPA 515.4	25057-89-0
Dicamba	Not Detected	08/17/2017	0.002		EPA 515.4	1918-00-9
Dinoseb	Not Detected	08/17/2017	0.0002	0.007	EPA 515.4	88-85-7
Pentachlorophenol	Not Detected	08/17/2017	0.00004	0.001	EPA 515.4	87-86-5
Picloram	Not Detected	08/17/2017	0.001	0.5	EPA 515.4	1918-02-1
Total DCPA degradates, mono- and di-acid	Not Detected	08/17/2017	0.001		EPA 515.4	1861-32-1
<b>Pesticides Analysis by GC/MS</b>						
4,4'-DDD	Not Detected	08/16/2017	0.001		EPA 525.2	72-54-8
4,4'-DDE	Not Detected	08/16/2017	0.001		EPA 525.2	72-55-9
4,4'-DDT	Not Detected	08/16/2017	0.0005		EPA 525.2	50-29-3
Acetochlor	Not Detected	08/16/2017	0.001		EPA 525.2	34256-82-1
Alachlor	Not Detected	08/16/2017	0.0002	0.002	EPA 525.2	15972-60-8
Aldrin	Not Detected	08/16/2017	0.0004		EPA 525.2	309-00-2
alpha-Chlordane	Not Detected	08/16/2017	0.0002	0.002	EPA 525.2	5103-71-9
Atrazine	Not Detected	08/16/2017	0.0002	0.003	EPA 525.2	1912-24-9
Dieldrin	Not Detected	08/16/2017	0.0005		EPA 525.2	60-57-1
Endrin	Not Detected	08/16/2017	0.0001	0.002	EPA 525.2	72-20-8
Endrin aldehyde	Not Detected	08/16/2017	0.001		EPA 525.2	7421-93-4
gamma-Chlordane	Not Detected	08/16/2017	0.0002	0.002	EPA 525.2	5103-74-2
Heptachlor	Not Detected	08/16/2017	0.0002	0.0004	EPA 525.2	76-44-8
Heptachlor epoxide	Not Detected	08/16/2017	0.0001	0.0002	EPA 525.2	1024-57-3
Hexachlorobenzene	Not Detected	08/16/2017	0.0001	0.001	EPA 525.2	118-74-1
Hexachlorocyclohexane (alpha-BHC)	Not Detected	08/16/2017	0.001		EPA 525.2	319-84-6
Hexachlorocyclohexane (beta-BHC)	Not Detected	08/16/2017	0.001		EPA 525.2	319-85-7
Hexachlorocyclohexane (delta-BHC)	Not Detected	08/16/2017	0.001		EPA 525.2	319-86-8
Hexachlorocyclopentadiene	Not Detected	08/16/2017	0.0005	0.05	EPA 525.2	77-47-4
Lindane (gamma-BHC)	Not Detected	08/16/2017	0.0001	0.0002	EPA 525.2	58-89-9
Methoxychlor	Not Detected	08/16/2017	0.0001	0.04	EPA 525.2	72-43-5
Metolachlor	Not Detected	08/16/2017	0.001		EPA 525.2	51218-45-2
Metribuzin	Not Detected	08/16/2017	0.001		EPA 525.2	21087-64-9
Molinate	Not Detected	08/16/2017	0.0005		EPA 525.2	2212-67-1
PCB (aroclor 1016)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	12674-11-2
PCB (aroclor 1221)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	11104-28-2
PCB (aroclor 1232)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	11141-16-5

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Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
<b>Pesticides Analysis by GC/MS</b>						
PCB (aroclor 1242)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	53469-21-9
PCB (aroclor 1248)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	12672-29-6
PCB (aroclor 1254)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	11097-69-1
PCB (aroclor 1260)	Not Detected	08/16/2017	0.0001	0.0005	EPA 525.2	11096-82-5
Polybrominated biphenyls	Not Detected	08/16/2017	0.0001		EPA 525.2	59536-65-1
Simazine	Not Detected	08/16/2017	0.0002	0.004	EPA 525.2	122-34-9
Toxaphene	Not Detected	08/16/2017	0.001	0.003	EPA 525.2	8001-35-2
<b>Volatile Organic Compounds</b>						
1,1 Dichloroethane	Not Detected	08/16/2017	0.0005		EPA 524.2	75-34-3
1,1 Dichloroethylene	Not Detected	08/16/2017	0.0005	0.007	EPA 524.2	75-35-4
1,1 Dichloropropene	Not Detected	08/16/2017	0.0005		EPA 524.2	563-58-6
1,1,1 Trichloroethane	Not Detected	08/16/2017	0.0005	0.2	EPA 524.2	71-55-6
1,1,1,2 Tetrachloroethane	Not Detected	08/16/2017	0.0005		EPA 524.2	630-20-6
1,1,2 Trichloroethane	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	79-00-5
1,1,2,2 Tetrachloroethane	Not Detected	08/16/2017	0.0005		EPA 524.2	79-34-5
1,2 Dichlorobenzene	Not Detected	08/16/2017	0.0005	0.6	EPA 524.2	95-50-1
1,2 Dichloroethane	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	107-06-2
1,2 Dichloropropane	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	78-87-5
1,2,3 Trichlorobenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	87-61-6
1,2,3 Trichloropropane	Not Detected	08/16/2017	0.0005		EPA 524.2	96-18-4
1,2,4 Trichlorobenzene	Not Detected	08/16/2017	0.0005	0.07	EPA 524.2	120-82-1
1,2,4 Trimethylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	95-63-6
1,3 Dichlorobenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	541-73-1
1,3 Dichloropropane	Not Detected	08/16/2017	0.0005		EPA 524.2	142-28-9
1,3,5 Trimethylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	108-67-8
1,4 Dichlorobenzene	Not Detected	08/16/2017	0.0005	0.075	EPA 524.2	106-46-7
2,2 Dichloropropane	Not Detected	08/16/2017	0.0005		EPA 524.2	594-20-7
Benzene	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	71-43-2
Bromobenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	108-86-1
Bromochloromethane	Not Detected	08/16/2017	0.0005		EPA 524.2	74-97-5
Bromodichloromethane	0.011	08/16/2017	0.0005	0.080	EPA 524.2	75-27-4
Bromoform	Not Detected	08/16/2017	0.0005	0.080	EPA 524.2	75-25-2
Bromomethane	Not Detected	08/16/2017	0.001		EPA 524.2	74-83-9
Carbon tetrachloride	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	56-23-5
Chlorobenzene	Not Detected	08/16/2017	0.0005	0.1	EPA 524.2	108-90-7
Chlorodibromomethane	0.0032	08/16/2017	0.0005	0.080	EPA 524.2	124-48-1
Chloroethane	Not Detected	08/16/2017	0.0005		EPA 524.2	75-00-3
Chloroform	0.023	08/16/2017	0.0005	0.080	EPA 524.2	67-66-3
Chloromethane	Not Detected	08/16/2017	0.0005		EPA 524.2	74-87-3

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LH33630**



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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>						
cis-1,2 Dichloroethylene	Not Detected	08/16/2017	0.0005	0.07	EPA 524.2	156-59-2
cis-1,3 Dichloropropene	Not Detected	08/16/2017	0.0005		EPA 524.2	10061-01-5
Dibromomethane	Not Detected	08/16/2017	0.0005		EPA 524.2	74-95-3
Dichlorodifluoromethane	Not Detected	08/16/2017	0.001		EPA 524.2	75-71-8
Dichloromethane	Not Detected	08/16/2017	0.0006	0.005	EPA 524.2	75-09-2
Ethylbenzene	Not Detected	08/16/2017	0.0005	0.7	EPA 524.2	100-41-4
Fluorotrichloromethane	Not Detected	08/16/2017	0.001		EPA 524.2	75-69-4
Hexachlorobutadiene	Not Detected	08/16/2017	0.0005		EPA 524.2	87-68-3
Isopropylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	98-82-8
m & p-Xylene	Not Detected	08/16/2017	0.0005	10	EPA 524.2	XYLMP-00-C
Methyl ethyl ketone	Not Detected	08/16/2017	0.005		EPA 524.2	78-93-3
Methyl isobutyl ketone	Not Detected	08/16/2017	0.005		EPA 524.2	108-10-1
Methyl-tert-butyl ether (MTBE)	Not Detected	08/16/2017	0.001		EPA 524.2	1634-04-4
Naphthalene	Not Detected	08/16/2017	0.0005		EPA 524.2	91-20-3
n-Butylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	104-51-8
n-Propylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	103-65-1
o-Chlorotoluene	Not Detected	08/16/2017	0.0005		EPA 524.2	95-49-8
o-Xylene	Not Detected	08/16/2017	0.0005	10	EPA 524.2	95-47-6
p-Chlorotoluene	Not Detected	08/16/2017	0.0005		EPA 524.2	106-43-4
p-Isopropyltoluene	Not Detected	08/16/2017	0.0005		EPA 524.2	99-87-6
sec-Butylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	135-98-8
Styrene	Not Detected	08/16/2017	0.0005	0.1	EPA 524.2	100-42-5
tert-Butylbenzene	Not Detected	08/16/2017	0.0005		EPA 524.2	98-06-6
Tetrachloroethylene	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	127-18-4
Tetrahydrofuran	Not Detected	08/16/2017	0.005		EPA 524.2	109-99-9
Toluene	Not Detected	08/16/2017	0.0005	1	EPA 524.2	108-88-3
Total Trihalomethanes	0.037	08/16/2017	NA	0.080	EPA 524.2	TTHM-00-C
Total Xylenes	Not Detected	08/16/2017	NA	10	EPA 524.2	1330-20-7
trans-1,2 Dichloroethylene	Not Detected	08/16/2017	0.0005	0.1	EPA 524.2	156-60-5
trans-1,3 Dichloropropene	Not Detected	08/16/2017	0.0005		EPA 524.2	10061-02-6
Trichloroethylene	Not Detected	08/16/2017	0.0005	0.005	EPA 524.2	79-01-6
Vinyl chloride	Not Detected	08/16/2017	0.0005	0.002	EPA 524.2	75-01-4

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Laboratory Contact: Scott Hayward

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**Sample Number  
LH33630**



TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #

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:**

**St. Clair County Health Dept.  
3415 28th St.  
Port Huron, MI 48060  
810 987-5306**

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**Sample Number  
LH33631**

Official Laboratory Report

Report To: CITY OF MARYSVILLE  
1535 RIVER RD  
MARYSVILLE MI 48040

System Name/Owner:	CITY OF MARYSVILLE	WSSN/Pool ID:	4160
Collection Address:	499 S RANGE RD - TECH CENTER, MARYS	Source:	TYPE I
Collected By:	WRUBER	Site Code:	DIST
Township/Well#/Section:	//	Collector:	Public Water Supply Operator
County:	St Clair	Date Collected:	08/10/2017 11:30
Sample Point:	KITCHEN FAUCET	Date Received:	08/11/2017 10:56
Water System:	Treated Public Distribution System	Purpose:	Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #

**Dalapon and Haloacetic**

Bromoacetic acid	Not Detected	08/16/2017	0.001		EPA 552.1/552.2	79-08-3
Bromochloroacetic acid	Not Detected	08/16/2017	0.001		EPA 552.1/552.2	5589-96-3
Chloroacetic acid	Not Detected	08/16/2017	0.002		EPA 552.1/552.2	79-11-8
Dalapon	Not Detected	08/16/2017	0.001	0.2	EPA 552.1/552.2	75-99-0
Dibromoacetic acid	Not Detected	08/16/2017	0.001		EPA 552.1/552.2	631-64-1
Dichloroacetic acid	0.003	08/16/2017	0.001		EPA 552.1/552.2	79-43-6
Total Haloacetic Acids (five)	0.011	08/16/2017	NA	0.060	EPA 552.1/552.2	THA-00-C
Trichloroacetic acid	0.008	08/16/2017	0.001		EPA 552.1/552.2	76-03-9

**Total Trihalomethanes**

Bromodichloromethane	0.013	08/16/2017	0.0005	0.080	EPA 524.2	75-27-4
Bromoform	Not Detected	08/16/2017	0.0005	0.080	EPA 524.2	75-25-2
Chlorodibromomethane	0.0038	08/16/2017	0.0005	0.080	EPA 524.2	124-48-1
Chloroform	0.034	08/16/2017	0.0005	0.080	EPA 524.2	67-66-3
Total Trihalomethanes	0.0508	08/16/2017	0.0005	0.080	EPA 524.2	TTHM-00-C

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.

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**Sample Number  
LH33632**

Official Laboratory Report

Report To: CITY OF MARYSVILLE  
1535 RIVER RD  
MARYSVILLE MI 48040

System Name/Owner:	CITY OF MARYSVILLE	WSSN/Pool ID:	4160
Collection Address:	BTM 300 DAVIS RD, MARYSVILLE	Source:	TYPE I
Collected By:	GILES	Site Code:	DIST
Township/Well#/Section:	//	Collector:	Public Water Supply Operator
County:	St Clair	Date Collected:	08/10/2017 13:18
Sample Point:	KITCHEN FAUCET	Date Received:	08/11/2017 10:56
Water System:	Treated Public Distribution System	Purpose:	Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #

**Dalapon and Haloacetic**

Bromoacetic acid	Not Detected	08/16/2017	0.001		EPA 552.1/552.2	79-08-3
Bromochloroacetic acid	0.001	08/16/2017	0.001		EPA 552.1/552.2	5589-96-3
Chloroacetic acid	Not Detected	08/16/2017	0.002		EPA 552.1/552.2	79-11-8
Dalapon	Not Detected	08/16/2017	0.001	0.2	EPA 552.1/552.2	75-99-0
Dibromoacetic acid	Not Detected	08/16/2017	0.001		EPA 552.1/552.2	631-64-1
Dichloroacetic acid	0.004	08/16/2017	0.001		EPA 552.1/552.2	79-43-6
Total Haloacetic Acids (five)	0.013	08/16/2017	NA	0.060	EPA 552.1/552.2	THA-00-C
Trichloroacetic acid	0.009	08/16/2017	0.001		EPA 552.1/552.2	76-03-9

**Total Trihalomethanes**

Bromodichloromethane	0.012	08/16/2017	0.0005	0.080	EPA 524.2	75-27-4
Bromoform	Not Detected	08/16/2017	0.0005	0.080	EPA 524.2	75-25-2
Chlorodibromomethane	0.0033	08/16/2017	0.0005	0.080	EPA 524.2	124-48-1
Chloroform	0.030	08/16/2017	0.0005	0.080	EPA 524.2	67-66-3
Total Trihalomethanes	0.0453	08/16/2017	0.0005	0.080	EPA 524.2	TTHM-00-C

Additional volatile organic compound(s) were detected. For quantitation and confirmation request analysis for CXVO.

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 Contact: Scott Hayward

**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  
LH33632**



TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #

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:**

**St. Clair County Health Dept.  
3415 28th St.  
Port Huron, MI 48060  
810 987-5306**

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**Sample Number  
LH33633**

Official Laboratory Report

Report To: CITY OF MARYSVILLE  
1535 RIVER RD  
MARYSVILLE MI 48040

System Name/Owner:	CITY OF MARYSVILLE	WSSN/Pool ID:	4160
Collection Address:	1535 RIVER RD, MARYSVILLE	Source:	Surface Water
Collected By:	WRUBER	Site Code:	TP100
Township/Well#/Section:	//	Collector:	Public Water Supply Operator
County:	St Clair	Date Collected:	08/10/2017 07:30
Sample Point:	RAW	Date Received:	08/11/2017 10:56
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 #
Total Organic Carbon	2.39	08/23/2017	0.5		SM 5310C	TOC-00-C

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