



NSF International

789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
1-800.NSF.MARK | +1-734.769.8010 | www.nsf.org

EVALUATION REPORT

Send To: [REDACTED]

Facility: [REDACTED]

Zhongshan 44 528429

Result **PASS**

Report Date 14-JAN-2020

Customer Name [REDACTED]
Tested To NSF/ANSI 42
Description MX-C-F 70x10x275 and MX-C-F 70x10x200
Trade Designation MX-C-F 70x10x275 and MX-C-F 70x10x200
Test Type Qualification
Job Number [REDACTED]
Project Number W0582155
Project Manager Mandy Chai

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

Kristina Laszlo - Technical Operations Manager, Water

Date 14-JAN-2020



General Information

Standard: NSF/ANSI 42

DCC Number: WT20522

§ Flushing Time: 1 hour

§ Physical Description of Sample: Component

Standard Version: NSF/ANSI 42-2019: Drinking Water Treatment Units - Aesthetic Effects

Test Description: Material Extraction- w/ media- MX-C-F 70x10x275/MX-C-F 70x10x200- QQ

§ Trade Designation/Model Number: MX-C-F 70x10x275 and MX-C-F 70x10x200

§ Unit Volume: 2.32 Liters

§ Data provided by customer and can affect the validity of the results

Sample Id: [REDACTED] MX-C-F 70x10x275 and MX-
Description: C-F 70x10x200 12/04/2019
Sampled Date: 12/04/2019
Received Date:

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab				
*Static ExtractionTestDataSheet				
Unit Void Volume	2.082 L			
Number of units exposed with media	1			
All connections supplied by mfr.	No			

Sample Id: [REDACTED] Final Composite
Description: Sample w/ Media 12/19/2019
Sampled Date: 12/04/2019
Received Date:

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab				
* Acrylonitrile, Acetates and Acrylates by VOC GCMS				
Acrylonitrile	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Ethyl acetate	ND(1)	ND(1)	ND(1)	ug/L
Methyl acrylate	ND(1)	ND(1)	ND(1)	ug/L
Ethyl acrylate	ND(1)	ND(1)	ND(1)	ug/L
tert-Butyl Acetate	ND(1)	ND(1)	ND(1)	ug/L
Methyl methacrylate	ND(1)	ND(1)	ND(1)	ug/L
Isobutyl acetate	ND(1)	ND(1)	ND(1)	ug/L
n-Butyl acetate	ND(1)	ND(1)	ND(1)	ug/L
Butyl acrylate	ND(1)	ND(1)	ND(1)	ug/L
Butyl methacrylate	ND(1)	ND(1)	ND(1)	ug/L
Methyl Acetate	ND(1)	ND(1)	ND(1)	ug/L
* Organic Target Compounds in Water by LCMS				
Diphenyl sulfone	ND(10)	ND(10)	ND(10)	ug/L
Methyl-2-pyrrolidinone, N-	ND(10)	ND(10)	ND(10)	ug/L
Dimethylformamide	ND(10)	ND(10)	ND(10)	ug/L
N,N-Dimethylacetamide	ND(10)	ND(10)	ND(10)	ug/L
Diphenylamine	ND(20)	ND(20)	ND(20)	ug/L
Phenylene diamine, m-	ND(50)	ND(50)	ND(50)	ug/L
Phenylene diamine, p-	ND(50)	ND(50)	ND(50)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
Diethylene triamine	ND(50)	ND(50)	ND(50)	ug/L
Ethylene Diamine	ND(100)	ND(100)	ND(100)	ug/L
*c-1,2,3,6-tetrahydrophthalimide (Captan degradant)				
C-1,2,3,6-Tetrahydrophthalimide	ND(2)	ND(2)	ND(2)	ug/L
BASE/NEUTRAL/ACID EPA METHOD 625 Scan for Tentatively Identified Compounds				
Hexadecanoic acid	4	Complete	4	ug/L
Octadecanoic acid	5	Complete	5	ug/L
Scan Control Complete	TRUE			
Semivolatile Compounds, Base/Neutral/Acid Target 625, Data Workup - (DWTU)				
N-Nitrosodimethylamine	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosomethylethylamine	ND(2)	ND(2)	ND(2)	ug/L
5-Methyl-2-hexanone (MIAK)	ND(2)	ND(2)	ND(2)	ug/L
1-Methoxy-2-propanol acetate	ND(2)	ND(2)	ND(2)	ug/L
2-Heptanone	ND(2)	ND(2)	ND(2)	ug/L
Cyclohexanone	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosodiethylamine	ND(2)	ND(2)	ND(2)	ug/L
Isobutylisobutyrate	ND(2)	ND(2)	ND(2)	ug/L
Aniline	ND(2)	ND(2)	ND(2)	ug/L
Phenol	ND(2)	ND(2)	ND(2)	ug/L
bis(2-Chloroethyl)ether	ND(2)	ND(2)	ND(2)	ug/L
2-Chlorophenol	ND(2)	ND(2)	ND(2)	ug/L
2,3-Benzofuran	ND(2)	ND(2)	ND(2)	ug/L
1,3-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ug/L
1,4-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ug/L
3-Cyclohexene-1-carbonitrile	ND(2)	ND(2)	ND(2)	ug/L
2-Ethyl-1-hexanol	ND(2)	ND(2)	ND(2)	ug/L
Benzenemethanol (Benzylalcohol)	ND(2)	ND(2)	ND(2)	ug/L
1,2-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ug/L
bis(2-Chloroisopropyl)ether	ND(2)	ND(2)	ND(2)	ug/L
2-Methylphenol (o-Cresol)	ND(1)	ND(1)	ND(1)	ug/L
N-Methylaniline	ND(2)	ND(2)	ND(2)	ug/L
1-Phenylethanone (Acetophenone)	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosodi-n-propylamine	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosopyrrolidine	ND(2)	ND(2)	ND(2)	ug/L
3- and 4-Methylphenol (m&p-Cresol)	ND(1)	ND(1)	ND(1)	ug/L
Hexachloroethane	ND(2)	ND(2)	ND(2)	ug/L
2-Phenyl-2-propanol	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosomorpholine	ND(2)	ND(2)	ND(2)	ug/L
Nitrobenzene	ND(2)	ND(2)	ND(2)	ug/L
2,6-Dimethylphenol	ND(2)	ND(2)	ND(2)	ug/L
N-Vinylpyrrolidinone	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosopiperidine	ND(2)	ND(2)	ND(2)	ug/L
Triethylphosphate	ND(2)	ND(2)	ND(2)	ug/L
Isophorone	ND(2)	ND(2)	ND(2)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
2-Nitrophenol	ND(1)	ND(1)	ND(1)	ug/L
2,4-Dimethylphenol	ND(2)	ND(2)	ND(2)	ug/L
bis(2-Chloroethoxy)methane	ND(2)	ND(2)	ND(2)	ug/L
2,4-Dichlorophenol	ND(1)	ND(1)	ND(1)	ug/L
1,2,4-Trichlorobenzene	ND(2)	ND(2)	ND(2)	ug/L
Naphthalene	ND(2)	ND(2)	ND(2)	ug/L
4-Chloroaniline	ND(2)	ND(2)	ND(2)	ug/L
1,1,3,3,-Tetramethyl-2-thiourea	ND(4)	ND(4)	ND(4)	ug/L
Hexachlorobutadiene	ND(2)	ND(2)	ND(2)	ug/L
Benzothiazole	ND(2)	ND(2)	ND(2)	ug/L
N-Nitrosodi-n-butylamine	ND(2)	ND(2)	ND(2)	ug/L
4-Chloro-3-methylphenol	ND(2)	ND(2)	ND(2)	ug/L
p-tert-Butylphenol	ND(2)	ND(2)	ND(2)	ug/L
2-Ethylhexyl glycidyl ether	ND(2)	ND(2)	ND(2)	ug/L
2,6-Di-t-butyl-4-methylphenol(BHT)	ND(2)	ND(2)	ND(2)	ug/L
2-Methylnaphthalene	ND(2)	ND(2)	ND(2)	ug/L
Cyclododecane	ND(2)	ND(2)	ND(2)	ug/L
2,4,5-Trichlorophenol	ND(2)	ND(2)	ND(2)	ug/L
2,4,6-Trichlorophenol	ND(1)	ND(1)	ND(1)	ug/L
1(3H)-Isobenzofuranone	ND(2)	ND(2)	ND(2)	ug/L
2-Chloronaphthalene	ND(2)	ND(2)	ND(2)	ug/L
2-Nitroaniline	ND(2)	ND(2)	ND(2)	ug/L
1,1'-(1,3-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ug/L
2,6-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ug/L
Dimethylphthalate	ND(1)	ND(1)	ND(1)	ug/L
1,1'-(1,4-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ug/L
Acenaphthylene	ND(2)	ND(2)	ND(2)	ug/L
aaa'a'Tetramethyl-1,3-benzenedimethanol	ND(2)	ND(2)	ND(2)	ug/L
2,6-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ug/L
2,4-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ug/L
aaa'a'Tetramethyl-1,4-benzenedimethanol	ND(2)	ND(2)	ND(2)	ug/L
2,4-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ug/L
Dimethyl terephthalate	ND(2)	ND(2)	ND(2)	ug/L
Acenaphthene	ND(2)	ND(2)	ND(2)	ug/L
Dibenzofuran	ND(2)	ND(2)	ND(2)	ug/L
Ethyl-4-ethoxybenzoate	ND(2)	ND(2)	ND(2)	ug/L
4-Nitrophenol	ND(2)	ND(2)	ND(2)	ug/L
Cyclododecanone	ND(2)	ND(2)	ND(2)	ug/L
Diethylphthalate	ND(2)	ND(2)	ND(2)	ug/L
p-tert-Octylphenol	ND(2)	ND(2)	ND(2)	ug/L
Fluorene	ND(2)	ND(2)	ND(2)	ug/L
4-Chlorophenylphenylether	ND(2)	ND(2)	ND(2)	ug/L
3-Nitroaniline	ND(2)	ND(2)	ND(2)	ug/L
4-Nitroaniline	ND(2)	ND(2)	ND(2)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
N-Nitrosodiphenylamine	ND(2)	ND(2)	ND(2)	ug/L
Azobenzene 4-	ND(2)	ND(2)	ND(2)	ug/L
Bromophenylphenylether	ND(2)	ND(2)	ND(2)	ug/L
Hexachlorobenzene	ND(2)	ND(2)	ND(2)	ug/L
Pentachlorophenol Phenanthrene	ND(2)	ND(2)	ND(2)	ug/L
Anthracene Diisobutylphthalate Di-	ND(2)	ND(2)	ND(2)	ug/L
n-butylphthalate Phenyl sulfone	ND(2)	ND(2)	ND(2)	ug/L
Hydroxymethylphenylbenzotriazole	ND(2)	ND(2)	ND(2)	ug/L
Fluoranthene Pyrene	ND(2)	ND(2)	ND(2)	ug/L
Butylbenzylphthalate bis(2-	ND(2)	ND(2)	ND(2)	ug/L
Ethylhexyl)adipate 3,3-	ND(2)	ND(2)	ND(2)	ug/L
Dichlorobenzidine	ND(2)	ND(2)	ND(2)	ug/L
Benzo(a)anthracene bis(2-	ND(2)	ND(2)	ND(2)	ug/L
Ethylhexyl)phthalate Chrysene	ND(2)	ND(2)	ND(2)	ug/L
Di-n-octylphthalate	ND(2)	ND(2)	ND(2)	ug/L
Benzo(b)fluoranthene	ND(1)	ND(1)	ND(1)	ug/L
Benzo(k)fluoranthene	ND(2)	ND(2)	ND(2)	ug/L
Benzo(a)pyrene	ND(1)	ND(1)	ND(1)	ug/L
Dibenzo(a,h)anthracene	ND(2)	ND(2)	ND(2)	ug/L
Indeno(1,2,3-cd)pyrene	ND(2)	ND(2)	ND(2)	ug/L
Benzo(g,h,i)perylene	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
	ND(2)	ND(2)	ND(2)	ug/L
Aluminum in Drinking Water by ICPMS (Ref: EPA 200.8)				
Aluminum	ND(10)	ND(10)	ND(10)	ug/L
Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)				
Arsenic	ND(1)	ND(1)	ND(1)	ug/L
Barium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Barium	1	2	ND(1)	ug/L
Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bismuth in Drinking Water by ICPMS (Ref: EPA 200.8)				
Bismuth	ND(1)	ND(1)	ND(1)	ug/L
Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Cerium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Cerium	ND(1)	ND(1)	ND(1)	ug/L
Cobalt in Drinking Water by ICPMS (Ref: EPA 200.8)				
Cobalt	ND(1)	ND(1)	ND(1)	ug/L
Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Chromium	ND(1)	ND(1)	ND(1)	ug/L
Cesium in Drinking Water by ICPMS (Ref: EPA 200.8)				



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
Cesium	ND(1)	ND(1)	ND(1)	ug/L
Copper in Drinking Water by ICPMS (Ref: EPA 200.8)				
Copper	ND(1)	1	ND(1)	ug/L
Dysprosium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Dysprosium	ND(1)	ND(1)	ND(1)	ug/L
Erbium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Erbium	ND(1)	ND(1)	ND(1)	ug/L
Europium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Europium	ND(1)	ND(1)	ND(1)	ug/L
Gallium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Gallium	ND(1)	ND(1)	ND(1)	ug/L
Gadolinium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Gadolinium	ND(1)	ND(1)	ND(1)	ug/L
Germanium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Germanium	ND(1)	ND(1)	ND(1)	ug/L
Hafnium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Hafnium	ND(1)	ND(1)	ND(1)	ug/L
Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)				
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Holmium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Holmium	ND(1)	ND(1)	ND(1)	ug/L
Iridium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Iridium	ND(1)	ND(1)	ND(1)	ug/L
Lanthanum in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lanthanum	ND(1)	ND(1)	ND(1)	ug/L
Lithium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lithium	ND(1)	ND(1)	ND(1)	ug/L
Lutetium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lutetium	ND(1)	ND(1)	ND(1)	ug/L
Manganese in Drinking Water by ICPMS (Ref: EPA 200.8)				
Manganese	ND(1)	ND(1)	ND(1)	ug/L
Molybdenum in Drinking Water by ICPMS (Ref: EPA 200.8)				
Molybdenum	ND(1)	ND(1)	ND(1)	ug/L
Date Analyzed	26-DEC-2019			
Niobium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Niobium	ND(1)	ND(1)	ND(1)	ug/L
Neodymium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Neodymium	ND(1)	ND(1)	ND(1)	ug/L
Nickel in Drinking Water by ICPMS (Ref: EPA 200.8)				
Nickel	ND(1)	ND(1)	ND(1)	ug/L
Lead in Drinking Water by ICPMS (Ref: EPA 200.8)				
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Palladium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Palladium	ND(1)	ND(1)	ND(1)	ug/L
Praseodymium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Praseodymium	ND(1)	ND(1)	ND(1)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
Platinum in Drinking Water by ICPMS (Ref: EPA 200.8)				
Platinum	ND(1)	ND(1)	ND(1)	ug/L
Rubidium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Rubidium	ND(1)	ND(1)	ND(1)	ug/L
Rhenium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Rhenium	ND(1)	ND(1)	ND(1)	ug/L
Rhodium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Rhodium	ND(1)	ND(1)	ND(1)	ug/L
Ruthenium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Ruthenium	ND(1)	ND(1)	ND(1)	ug/L
Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)				
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Selenium	ND(1)	ND(1)	ND(1)	ug/L
Samarium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Samarium	ND(1)	ND(1)	ND(1)	ug/L
Tin in Drinking Water by ICPMS (Ref: EPA 200.8)				
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Strontium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Strontium	17	20	ND(1)	ug/L
Tantalum in Drinking Water by ICPMS (Ref: EPA 200.8)				
Tantalum	ND(1)	ND(1)	ND(1)	ug/L
Tellurium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Tellurium	ND(1)	ND(1)	ND(1)	ug/L
Titanium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Titanium	ND(2)	ND(2)	ND(2)	ug/L
Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Uranium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Uranium	ND(1)	ND(1)	ND(1)	ug/L
Vanadium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Vanadium	ND(1)	ND(1)	ND(1)	ug/L
Tungsten in Drinking Water by ICPMS (Ref: EPA 200.8)				
Tungsten	ND(1)	ND(1)	ND(1)	ug/L
Ytterbium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Ytterbium	ND(1)	ND(1)	ND(1)	ug/L
Zinc in Drinking Water by ICPMS (Ref: EPA 200.8)				
Zinc	ND(10)	ND(10)	ND(10)	ug/L
* Zirconium in Drinking Water by ICPMS (Ref: EPA 200.8)				
Zirconium	ND(1)	ND(1)	ND(1)	ug/L
* Epichlorohydrin (Modified EPA 524.2)				
Epichlorohydrin	ND(5)	ND(5)	ND(5)	ug/L
* 1,3-Dichloro-2-propanol in water, GC/FID				
1,3-Dichloro-2-propanol	ND(20)	ND(20)	ND(20)	ug/L
* Acrylic Acid, LC/UV				
Acrylic acid	ND(10)	ND(10)	ND(10)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
*1,2-Dichloro-3-propanol in Water,GC/FID				
1,2-Dichloro-3-Propanol	ND(20)	ND(20)	ND(20)	ug/L
* Diethylene glycol, LC/MS				
Diethylene glycol	ND(100)	ND(100)	ND(100)	ug/L
* Ethylene glycol, LC/MS				
Ethylene glycol	ND(200)	ND(200)	ND(200)	ug/L
* Phthalic Acids				
Phthalic Acid	ND(20)	ND(20)	ND(20)	ug/L
Terephthalic Acid	ND(20)	ND(20)	ND(20)	ug/L
Isophthalic Acid	ND(20)	ND(20)	ND(20)	ug/L
* Vinyl acetate, P&T GC/MS				
Vinyl acetate	ND(1)	ND(1)	ND(1)	ug/L
* Silver in Drinking Water by ICPMS				
Silver	ND(1)	ND(1)	ND(1)	ug/L
Volatile Organic Compounds (Ref: EPA 524.2)				
Dichlorodifluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Vinyl Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichlorofluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichlorotrifluoroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Methylene Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
trans-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
2,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
cis-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloroform	0.9	1.2	ND(0.5)	ug/L
Bromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,1-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Carbon Tetrachloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromodichloromethane	0.8	1.2	ND(0.5)	ug/L
Dibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
cis-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
trans-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,2-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Tetrachloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chlorodibromomethane	ND(0.5)	0.7	ND(0.5)	ug/L
Chlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab (Continued)				
1,1,1,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromoform	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,2,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,4-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Carbon Disulfide	ND(1)	ND(1)	ND(1)	ug/L
Methyl-tert-Butyl Ether (MTBE)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
tert-Butyl ethyl ether	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Methyl Ethyl Ketone	ND(5)	ND(5)	ND(5)	ug/L
Methyl Isobutyl Ketone	ND(5)	ND(5)	ND(5)	ug/L
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Ethyl Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
m+p-Xylenes	ND(1)	ND(1)	ND(1)	ug/L
o-Xylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Styrene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Isopropylbenzene (Cumene)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
n-Propylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
2-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
4-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3,5-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
tert-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,4-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
sec-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
p-Isopropyltoluene (Cymene)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
n-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,4-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Hexachlorobutadiene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Naphthalene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Total Trihalomethanes	1.7	3.1	ND(0.5)	ug/L
Total Xylenes	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
* Water pH				
pH	6.92	6.74		

Sample Id: [REDACTED] Water #1
Description: Characteristics
Sampled Date: 12/04/2019
Received Date: 12/04/2019

Testing Parameter	Sample	Control	Result	Units
-------------------	--------	---------	--------	-------

FI20200114080610 [REDACTED]

Page 9 of 13

This report shall not be reproduced, except in its entirety, without the written approval of NSF. This report does not represent NSF Certification or authorization to use the NSF Mark. Authorization to use the NSF Mark is limited to products appearing in the Company's Official NSF Listing (www.nsf.org). The results relate only to those items tested, in the condition received at the laboratory.



Sample Id: [REDACTED]

Testing Parameter	Sample	Control	Result	Units
Chemistry Lab				
*Chlorine, Free				
Chlorine, Free Available	0.51		0.51	mg/L
* Solids, Total Dissolved, (By Conductivity)				
Solids, Total Dissolved	52		52	mg/L
* Water pH				
pH	6.59			
* Temperature				
Temperature	22		22	degrees C

FI20200114080610 [REDACTED] This report shall not be reproduced, except in its entirety, without the written approval of NSF. This report does not represent NSF Certification or authorization to use the NSF Mark. Authorization to use the NSF Mark is limited to products appearing in the Company's Official NSF Listing (www.nsf.org). The results relate only to those items tested, in the condition received at the laboratory.



Job Attachments:



Test Configuration



Exploded View

**Testing Laboratories:**

	Id	Address
All work performed at:	NSF_AA	NSF International 789 N. Dixboro Road Ann Arbor MI 48105

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0011	* Static Extraction Test Data Sheet
C0019	* Chlorine, Free
C0743	* Acrylonitrile, Acetates and Acrylates by VOC GCMS
C0943	* Organic Target Compounds in Water by LCMS
C1115 C1926	*c-1,2,3,6-tetrahydrophthalimide (Captan degradant)
C1927	BASE/NEUTRAL/ACID EPA METHOD 625 Scan for Tentatively Identified Compounds (TICs) - (DWTU)
C3032	Semivolatile Compounds, Base/Neutral/Acid Target 625, Data Workup - (DWTU)
C3035	Aluminum in Drinking Water by ICPMS (Ref: EPA 200.8)
C3038	Total Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)
C3041	Barium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3043	Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3046	Bismuth in Drinking Water by ICPMS (Ref: EPA 200.8)
C3049	Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3050	Cerium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3052	Cobalt in Drinking Water by ICPMS (Ref: EPA 200.8)
C3056	Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3058	Cesium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3061	Copper in Drinking Water by ICPMS (Ref: EPA 200.8)
C3062	Dysprosium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3063	Erbium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3067	Europium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3068	Gallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3069	Gadolinium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3070	Germanium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3071	Hafnium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3076	Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)
C3077	Holmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3082	Iridium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3083	Lanthanum in Drinking Water by ICPMS (Ref: EPA 200.8)
C3084	Lithium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3087	Lutetium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3089	Manganese in Drinking Water by ICPMS (Ref: EPA 200.8)
C3092	Molybdenum in Drinking Water by ICPMS (Ref: EPA 200.8)
C3093	Niobium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3095	Neodymium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3100	Nickel in Drinking Water by ICPMS (Ref: EPA 200.8)
C3105	Lead in Drinking Water by ICPMS (Ref: EPA 200.8)
C3106	Palladium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3107	Praseodymium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3108	Platinum in Drinking Water by ICPMS (Ref: EPA 200.8)
C3109	Rubidium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3110	Rhenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3111	Rhodium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3113	Ruthenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3115	Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)
C3120	Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3121	Samarium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3122	Tin in Drinking Water by ICPMS (Ref: EPA 200.8)
C3123	Strontium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3124	Tantalum in Drinking Water by ICPMS (Ref: EPA 200.8)
C3125	Tellurium in Drinking Water by ICPMS (Ref: EPA 200.8)
	Titanium in Drinking Water by ICPMS (Ref: EPA 200.8)



References to Testing Procedures: (Cont'd)

NSF Reference	Parameter / Test Description
C3127	Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3131	Uranium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3132	Vanadium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3133	Tungsten in Drinking Water by ICPMS (Ref: EPA 200.8)
C3134	Ytterbium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3135	Zinc in Drinking Water by ICPMS (Ref: EPA 200.8)
C3140	* Zirconium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3147	* Solids, Total Dissolved, (By Conductivity)
C3364	* Epichlorohydrin (Modified EPA 524.2)
C4004	* 1,3-Dichloro-2-propanol in water, GC/FID
C4022	* Acrylic Acid, LC/UV
C4114	* 1,2-Dichloro-3-propanol in Water, GC/FID
C4124	* Diethylene glycol, LC/MS
C4168	* Ethylene glycol, LC/MS
C4357	* Phthalic Acids
C4399	* Vinyl acetate, P&T GC/MS
C4641	* Silver in Drinking Water by ICPMS
C4662	Volatile Organic Compounds (Ref: EPA 524.2)
C6408	* Water pH
C6413	* Temperature

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.