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EVALUATION REPORT

Send To: C0362147
Mr. Kent Madison
3R Valve, LLC
29299 Madison Road
Echo, OR 97826

Facility: C0362154
3R Valve, LLC
29299 Madison Road
Echo OR 97826
United States

Result	**PASS**	Report Date	01-MAY-2026

Customer Name	3R Valve, LLC
Tested To	NSF/ANSI/CAN 61
Description	valve components | ASR (Aqua System Recovery) Valve
Trade Designation	ASR (Aqua System Recovery) Valve
Test Type	Annual Collection
Job Number	A-00544432
Project Number	W1027501
Project Manager	Zachary Mannor

Thank you for having your product tested by NSF.

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

Report Authorization Abbie M. Batog **Date** 01-MAY-2026

Abbie Batog - Senior Manager Commercial Water

General Information

Standard: NSF/ANSI/CAN 61

Monitor Code: A

Physical Description of Sample: valve components

Tested DCC Number: PM18264

Trade Designation/Model Number: ASR (Aqua System Recovery) Valve

Sample Id: **S-0002290898**
Description: Sample exposed at 23C and pH 5
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.070	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Number of Units:	1 units	Lab Number of Units:	1 units	Constant N2:	0.00054	Misc. Factor:	5
Field Static Volume:	111.2 L	Lab Static Volume:	7.76 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
* Standard 61 Additives LAB SUM TEST Code					
External Note:	1 unit = 1 red hose and 1 white hose. A total of 1 unit exposed, in vessel.				
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0019)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Copper	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Nickel	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Antimony	0.9	ND(0.5)	0.9	0.0002	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0019)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L

Sample Id: **S-0002290899**
Description: Sample exposed at 23C and pH 8
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Sample Id: **S-0002290899**

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.070	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Number of Units:	1 units	Lab Number of Units:	1 units	Constant N2:	0.00054	Misc. Factor:	5
Field Static Volume:	111.2 L	Lab Static Volume:	7.76 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
2,4-Dichlorobenzoic acid					
2,4-Dichlorobenzoic acid	200	ND(4)	200	0.039	ug/L
* Standard 61 Additives LAB SUM TEST Code					
External Note:	1 unit = 1 red hose and 1 white hose. A total of 1 unit exposed, in vessel.				
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0019)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Copper	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Nickel	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Antimony	0.8	ND(0.5)	0.8	0.0002	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00004)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0019)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
*PFAS compounds in water by LCMSMS					
GenX	ND(4)	ND(4)	ND(4)	ND(0.0008)	ng/L
PFBS	ND(6)	ND(6)	ND(6)	ND(0.001)	ng/L
PFHxS	ND(4)	ND(4)	ND(4)	ND(0.0008)	ng/L
PFNA	ND(5)	ND(5)	ND(5)	ND(0.001)	ng/L
PFOA	ND(4)	ND(4)	ND(4)	ND(0.0008)	ng/L
PFOS	ND(4)	ND(4)	ND(4)	ND(0.0008)	ng/L
PFHxA	ND(4)	ND(4)	ND(4)	ND(0.0008)	ng/L
BASE/NEUTRAL/ACID EPA METHOD 625 modified Scan for Tentatively Identified C					
Dichlorobenzoic acid isomer	20	ND(4)	20	0.003	ug/L
Scan Control Complete	TRUE				
Semivolatile Compounds, Base/Neutral/Acid Target 625 modified, Data Workup					
Pyridine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Nitrosodimethylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L

Sample Id: **S-0002290899**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
N-Nitrosomethylethylamine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
5-Methyl-2-hexanone (MIAK)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1-Methoxy-2-propanol acetate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Heptanone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Cyclohexanone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Nitrosodiethylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Isobutylisobutyrate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Aniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Phenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Di(chloroethyl) ether	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Chlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,3-Benzofuran	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,3-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,4-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
3-Cyclohexene-1-carbonitrile	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Ethylhexanol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzyl alcohol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,2-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
bis(2-Chloroisopropyl)ether	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Methylphenol (o-Cresol)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Methylaniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Acetophenone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Nitrosodi-n-propylamine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Nitrosopyrrolidine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
3- and 4-Methylphenol (m&p-Cresol)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Hexachloroethane	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Phenyl-2-propanol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Nitrosomorpholine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Nitrobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,6-Dimethylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Vinylpyrrolidinone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
N-Nitrosopiperidine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Triethylphosphate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Isophorone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Nitrophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4-Dimethylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
bis(2-Chloroethoxy)methane	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4-Dichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Trichlorobenzene (1,2,4-)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Naphthalene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Chloroaniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,1,3,3,-Tetramethyl-2-thiourea	ND(4)	ND(4)	ND(4)	ND(0.0008)	ug/L
Hexachlorobutadiene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzothiazole	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L

Sample Id: **S-0002290899**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
N-Nitrosodi-n-butylamine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Chloro-3-methylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
p-tert-Butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Ethylhexyl glycidyl ether	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,6-Di-t-butyl-4-methylphenol(BHT)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Methylnaphthalene, 2-	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Cyclododecane	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4,5-Trichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4,6-trichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1(3H)-Isobenzofuranone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Chloronaphthalene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,1'-(1,3-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,6-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Dimethylphthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
1,1'-(1,4-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Acenaphthylene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzenedimethanol, a,a,a',a'-tetramethyl-1,3-	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,6-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzenedimethanol, a,a,a',a'-Tetramethyl-1,4-	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
2,4-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Dimethyl terephthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Acenaphthene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Dibenzofuran	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Ethyl-4-ethoxybenzoate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Nitrophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Cyclododecanone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Diethyl Phthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
p-tert-Octylphenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Fluorene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Chlorophenylphenylether	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
3-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Nitrosodiphenylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Azobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
4-Bromophenylphenylether	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Hexachlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Pentachlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Phenanthrene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Anthracene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Diisobutyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Dibutyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Diphenyl sulfone	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L

Sample Id: **S-0002290899**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Hydroxymethylphenylbenzotriazole	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Pyrene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Butyl benzyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Di(2-ethylhexyl)adipate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
3,3-Dichlorobenzidine	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzo(a)anthracene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Di(2-ethylhexyl)phthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Chrysene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Di-n-octylphthalate	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzo(b)fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzo(k)fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzo(a)Pyrene (PAH)	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Dibenzo(a,h)anthracene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Indeno(1,2,3-cd)pyrene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
Benzo(g,h,i)perylene	ND(2)	ND(2)	ND(2)	ND(0.0004)	ug/L
* Tetrahydrofuran (Modified EPA 524.2)					
Tetrahydrofuran	ND(5)	ND(5)	ND(5)	ND(0.001)	ug/L
* Butanediol, 1,4- by NSF Method					
Butanediol, 1,4	ND(100)	ND(100)	ND(100)	ND(0.019)	ug/L
* Dimethyl isophthalate, LC/UV					
Dimethyl Isophthalate	ND(50)	ND(50)	ND(50)	ND(0.0096)	ug/L
* Trimethyl Trimelliate, LC/UV					
Trimethyl trimelliate	220	ND(10)	220	0.042	ug/L
Volatile Organic Compounds (Ref: EPA 524.2)					
Dichlorodifluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Chloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Vinyl Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Chloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Trichlorofluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Trichlorotrifluoroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Methylene Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
trans-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
2,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
cis-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Chloroform	1.6	ND(0.5)	1.6	0.00031	ug/L
Bromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1,1-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Carbon Tetrachloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L

Sample Id: **S-0002290899**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Trichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bromodichloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Dibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
cis-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
trans-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1,2-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,3-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Tetrachloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Chlorodibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Chlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1,1,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bromoform	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,1,2,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2,3-Trichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,3-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,4-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Carbon Disulfide	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Methyl-tert-Butyl Ether (MTBE)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
tert-Butyl ethyl ether	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Methyl Ethyl Ketone	ND(5)	ND(5)	ND(5)	ND(0.001)	ug/L
Methyl Isobutyl Ketone	ND(5)	ND(5)	ND(5)	ND(0.001)	ug/L
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Ethyl Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
m+p-Xylenes	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
o-Xylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Styrene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Isopropylbenzene (Cumene)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
n-Propylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Bromobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
2-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
4-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,3,5-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
tert-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2,4-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
sec-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
p-Isopropyltoluene (Cymene)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2,3-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
n-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2,4-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Hexachlorobutadiene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
1,2,3-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Naphthalene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L

Sample Id: **S-0002290899**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L
Total Trihalomethanes	1.6	ND(0.5)	1.6	0.00031	ug/L
Total Xylenes	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0001)	ug/L

Sample Id: **S-0002290901**
Description: Sample exposed at 23C and pH 5
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.16	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Surface Area:	534 in2	Lab Surface Area:	120.2 in2	Constant N2:	0.00054	Misc. Factor:	1
Field Static Volume:	111.2 L	Lab Static Volume:	4.00 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.00088)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Copper	4	ND(1)	4	0.0003	ug/L
Manganese	3	ND(1)	3	0.0003	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Nickel	1	ND(1)	1	0.0001	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.00088)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L

Sample Id: **S-0002290902**
Description: Sample exposed at 23C and pH 8
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Sample Id: **S-0002290902**

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.16	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Surface Area:	534 in2	Lab Surface Area:	120.2 in2	Constant N2:	0.00054	Misc. Factor:	1
Field Static Volume:	111.2 L	Lab Static Volume:	4.00 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.00088)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Chromium	2	ND(1)	2	0.0002	ug/L
Copper	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Nickel	ND(1)	4	ND(1)	ND(0.00009)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00004)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00002)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.00088)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.00009)	ug/L

Sample Id: **S-0002290904**
Description: Sample exposed at 23C and pH 5
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.92	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Surface Area:	369.73 in2	Lab Surface Area:	3.8 in2	Constant N2:	0.00054	Misc. Factor:	1
Field Static Volume:	111.2 L	Lab Static Volume:	1.05 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
Metals I in water by ICPMS (Ref: EPA 200.8)					

Sample Id: **S-0002290904**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0051)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0003)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.0001)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Copper	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.0001)	ug/L
Nickel	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0003)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0003)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0003)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.0001)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0051)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L

Sample Id: **S-0002290905**
Description: Sample exposed at 23C and pH 8
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.84	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Surface Area:	369.73 in2	Lab Surface Area:	3.8 in2	Constant N2:	0.00054	Misc. Factor:	1
Field Static Volume:	111.2 L	Lab Static Volume:	0.960 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0046)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00009)	ug/L
Chromium	2	ND(1)	2	0.001	ug/L
Copper	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L

Sample Id: **S-0002290905**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00009)	ug/L
Nickel	ND(1)	4	ND(1)	ND(0.0005)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00009)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0046)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0005)	ug/L

Sample Id: **S-0002290907**
Description: Sample exposed at 23C and pH 5
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.0091	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Number of Units:	1 units	Lab Number of Units:	1 units	Constant N2:	0.00054	Misc. Factor:	33.9
Field Static Volume:	111.2 L	Lab Static Volume:	1.01 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
* Standard 61 Additives LAB SUM TEST Code					
External Note:	1 unit = 1 set of components. A total of 1 unit exposed, in vessel.				
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0017)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00008)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00003)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Copper	240	ND(1)	240	0.040	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00003)	ug/L
Nickel	1	ND(1)	1	0.0002	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00008)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00008)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.00008)	ug/L

Sample Id: **S-0002290907**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00003)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0017)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0002)	ug/L

Sample Id: **S-0002290908**
Description: Sample exposed at 23C and pH 8
Sampled Date: 03/27/2026
Received Date: 03/02/2026

Normalization Information:

Date exposure completed:	27-MAR-2026	Calculated N1:	0.019	Field Exposure Time:	24 hours	Lab Exposure Time:	23.50 hours
Field Number of Units:	1 units	Lab Number of Units:	1 units	Constant N2:	0.00054	Misc. Factor:	33.9
Field Static Volume:	111.2 L	Lab Static Volume:	2.14 L				
				Calculated NFm:	1.00		

Compound Reference Key: SPAC

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
2,4-Dichlorobenzoic acid					
2,4-Dichlorobenzoic acid	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Polynuclear Aromatic Hydrocarbons by GCMS					
Acenaphthene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Acenaphthylene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Anthracene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Benzo(a)Anthracene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Benzo(a)Pyrene (PAH)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Benzo(b)Fluoranthene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Benzo(g,h,i)Perylene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Benzo(k)Fluoranthene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Chrysene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Dibenzo(a,h)Anthracene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Fluoranthene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Fluorene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Indeno(1,2,3,-c,d)Pyrene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Naphthalene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Phenanthrene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Pyrene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
* Acrylonitrile, Acetates and Acrylates by VOC GCMS					
Acrylonitrile	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Ethyl acetate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Methyl acrylate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Ethyl acrylate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
tert-Butyl Acetate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Methyl methacrylate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Isobutyl acetate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
n-Butyl acetate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Butyl acrylate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Butyl methacrylate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Methyl Acetate	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
* Nitrosamine Analysis by GC/MS using EPA Method 521 Modified					
N-Nitrosodi-n-butylamine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosodi-n-propylamine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosodiethylamine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosodimethylamine	0.005	0.004	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosomethylethylamine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosomorpholine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosopiperidine	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0000007)	ug/L
N-Nitrosopyrrolidine	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.000004)	ug/L
* Standard 61 Additives LAB SUM TEST Code					
External Note:	1 unit = 1 set of components. A total of 1 unit exposed, in vessel.				
Metals I in water by ICPMS (Ref: EPA 200.8)					
Aluminum	ND(10)	ND(10)	ND(10)	ND(0.0036)	ug/L
Arsenic	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Barium	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bismuth	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Chromium	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Copper	33	ND(1)	33	0.012	ug/L
Manganese	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Nickel	ND(1)	4	ND(1)	ND(0.0004)	ug/L
Lead	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Selenium	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Tin	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Strontium	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.00007)	ug/L
Zinc	ND(10)	ND(10)	ND(10)	ND(0.0036)	ug/L
Silver	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Phthalates by Base/Neutral/Acid modifed 625 Method Modified (DHP, Di(n-prop					
Dihexyl phthalate	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Di(n-propyl heptyl) phthalate	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Bis(2-ethylhexyl)terephthalate	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Diisodecyl phthalate (DIDP)	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Diisononyl phthalate (DINP)	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Diisooctyl phthalate (DIOP)	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
BASE/NEUTRAL/ACID EPA METHOD 625 modified Scan for Tentatively Identified C					
No Compounds Detected					
Scan Control Complete	TRUE				
Semivolatile Compounds, Base/Neutral/Acid Target 625 modified, Data Workup					
Pyridine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Nitrosodimethylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosomethylethylamine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
5-Methyl-2-hexanone (MIAK)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1-Methoxy-2-propanol acetate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Heptanone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Cyclohexanone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Nitrosodiethylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Isobutylisobutyrate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Aniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Phenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Di(chloroethyl) ether	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Chlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,3-Benzofuran	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,3-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,4-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
3-Cyclohexene-1-carbonitrile	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Ethylhexanol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzyl alcohol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,2-Dichlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
bis(2-Chloroisopropyl)ether	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Methylphenol (o-Cresol)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Methylaniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Acetophenone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosodi-n-propylamine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosopyrrolidine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
3- and 4-Methylphenol (m&p-Cresol)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Hexachloroethane	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Phenyl-2-propanol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosomorpholine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Nitrobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,6-Dimethylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Vinylpyrrolidinone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosopiperidine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Triethylphosphate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Isophorone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Nitrophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4-Dimethylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
bis(2-Chloroethoxy)methane	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4-Dichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Trichlorobenzene (1,2,4-)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Naphthalene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Chloroaniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,1,3,3,-Tetramethyl-2-thiourea	ND(4)	ND(4)	ND(4)	ND(0.001)	ug/L
Hexachlorobutadiene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzothiazole	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
N-Nitrosodi-n-butylamine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Chloro-3-methylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
p-tert-Butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Ethylhexyl glycidyl ether	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,6-Di-t-butyl-4-methylphenol(BHT)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Methylnaphthalene, 2-	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Cyclododecane	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4,5-Trichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4,6-trichlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1(3H)-Isobenzofuranone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Chloronaphthalene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,1'-(1,3-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,6-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Dimethylphthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
1,1'-(1,4-Phenylene)bis ethanone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Acenaphthylene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzenedimethanol, a,a,a',a'-tetramethyl-1,3-	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,6-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4-Dinitrotoluene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzenedimethanol, a,a,a',a'-Tetramethyl-1,4-	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
2,4-Di-tert-butylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Dimethyl terephthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Acenaphthene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Dibenzofuran	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Ethyl-4-ethoxybenzoate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Nitrophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Cyclododecanone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Diethyl Phthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
p-tert-Octylphenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Fluorene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Chlorophenylphenylether	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
3-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Nitroaniline	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Nitrosodiphenylamine (N-)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Azobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
4-Bromophenylphenylether	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Hexachlorobenzene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Pentachlorophenol	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
Phenanthrene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Anthracene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Diisobutyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Dibutyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Diphenyl sulfone	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Hydroxymethylphenylbenzotriazole	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Pyrene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Butyl benzyl phthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Di(2-ethylhexyl)adipate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
3,3-Dichlorobenzidine	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzo(a)anthracene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Di(2-ethylhexyl)phthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Chrysene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Di-n-octylphthalate	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzo(b)fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzo(k)fluoranthene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzo(a)Pyrene (PAH)	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Dibenzo(a,h)anthracene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Indeno(1,2,3-cd)pyrene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
Benzo(g,h,i)perylene	ND(2)	ND(2)	ND(2)	ND(0.0007)	ug/L
* 1,3-Butadiene (Modified EPA 524.2)					
1,3-Butadiene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
* Tetrahydrofuran (Modified EPA 524.2)					
Tetrahydrofuran	ND(5)	ND(5)	ND(5)	ND(0.002)	ug/L
* Butanediol, 1,4- by NSF Method					
Butanediol, 1,4	ND(100)	ND(100)	ND(100)	ND(0.036)	ug/L
* Dimethyl isophthalate, LC/UV					
Dimethyl Isophthalate	ND(50)	ND(50)	ND(50)	ND(0.018)	ug/L
* Trimethyl Trimelliate, LC/UV					
Trimethyl trimelliate	ND(10)	ND(10)	ND(10)	ND(0.0036)	ug/L
* Perfluorooctanoic acid by LCMS/ES-					
Perfluorooctanoic acid by LCMS/ES-	ND(4)	ND(4)	ND(4)	ND(0.001)	ng/L
Volatile Organic Compounds (Ref: EPA 524.2)					
Dichlorodifluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Chloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Vinyl Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Chloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Trichlorofluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Trichlorotrifluoroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Methylene Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
trans-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
1,1-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
2,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
cis-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Chloroform	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1,1-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Carbon Tetrachloride	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Trichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bromodichloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Dibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
cis-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
trans-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1,2-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,3-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Tetrachloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Chlorodibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Chlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1,1,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bromoform	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,1,2,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2,3-Trichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,3-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,4-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Carbon Disulfide	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
Methyl-tert-Butyl Ether (MTBE)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
tert-Butyl ethyl ether	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Methyl Ethyl Ketone	ND(5)	ND(5)	ND(5)	ND(0.002)	ug/L
Methyl Isobutyl Ketone	ND(5)	ND(5)	ND(5)	ND(0.002)	ug/L
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Ethyl Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
m+p-Xylenes	ND(1)	ND(1)	ND(1)	ND(0.0004)	ug/L
o-Xylene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Styrene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Isopropylbenzene (Cumene)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
n-Propylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Bromobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
2-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
4-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,3,5-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
tert-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L

Sample Id: **S-0002290908**

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab (Continued)					
1,2,4-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
sec-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
p-Isopropyltoluene (Cymene)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2,3-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
n-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2,4-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Hexachlorobutadiene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
1,2,3-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Naphthalene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Total Trihalomethanes	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L
Total Xylenes	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.0002)	ug/L

Sample Id: **S-0002290910**
Description: valve components | ASR (Aqua System Recovery) Valve
Sampled Date: 03/02/2026
Received Date: 03/02/2026

Normalization Information:

Testing Parameter	Sample	Control	Result	Normalized Result	Units
Ann Arbor Chemistry Lab					
Material Screening for Lead by XRF					
Lead content verification	Pass				

Testing Laboratories:

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

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0280	2,4-Dichlorobenzoic acid
C0314	Polynuclear Aromatic Hydrocarbons by GCMS
C0513	Material Screening for Lead by XRF
C0743	* Acrylonitrile, Acetates and Acrylates by VOC GCMS
C0989	* Nitrosamine Analysis by GC/MS using EPA Method 521 Modified
C1031	* Standard 61 Additives LAB SUM TEST Code
C1182	Metals I in water by ICPMS (Ref: EPA 200.8)
C1544	Phthalates by Base/Neutral/Acid modifed 625 Method Modified (DHP, Di(n-propyl heptyl) phthalate, Bis(2-ethylhexyl)terephthalate)
C1558	*PFAS compounds in water by LCMSMS
C2023	BASE/NEUTRAL/ACID EPA METHOD 625 modified Scan for Tentatively Identified Compounds (TICs)
C2024	Semivolatile Compounds, Base/Neutral/Acid Target 625 modified, Data Workup
C3369	* 1,3-Butadiene (Modified EPA 524.2)
C3371	* Tetrahydrofuran (Modified EPA 524.2)
C4064	* Butanediol, 1,4- by NSF Method
C4128	* Dimethyl isophthalate, LC/UV
C4383	* Trimethyl Trimelliate, LC/UV
C4656	* Perfluorooctanoic acid by LCMS/ES-
C4662	Volatile Organic Compounds (Ref: EPA 524.2)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF 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.

Dates of Laboratory Activity: 03-MAR-2026 to 15-APR-2026