

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057807.D
 Acq On : 05 Feb 2024 14:30
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Quant Time: Feb 06 01:03:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 00:58:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.107	96	44075	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	17157	1.049	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14664	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	233420	15.921	ug/l	100
3) Chloromethane	1.519	50	213265	15.080	ug/l	99
4) Vinyl Chloride	1.599	62	231220	16.084	ug/l	98
5) Bromomethane	1.856	94	136524	16.224	ug/l	100
6) Chloroethane	1.927	64	153268	16.940	ug/l	99
7) Trichlorofluoromethane	2.126	101	342859	16.275	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	172092	15.275	ug/l	97
9) 1,1-Dichloroethene	2.573	96	168407	15.510	ug/l	99
10) Iodomethane	2.715	142	269787	20.421	ug/l	93
11) Allyl Chloride	2.914	41	260255	17.332	ug/l	91
12) Acrylonitrile	3.313	53	70964	36.947	ug/l	95
13) Acetone	2.634	43	312527	93.536	ug/l	92
14) Carbon Disulfide	2.782	76	537158	15.419	ug/l	100
15) Methylene Chloride	3.036	84	193724	14.850	ug/l	98
16) trans-1,2-Dichloroethene	3.342	96	182131	15.367	ug/l	95
17) 1,1-Dichloroethane	3.856	63	373637	16.506	ug/l	98
18) 2-Butanone	4.715	43	364795	99.789	ug/l	96
19) Cyclohexane	5.371	56	291924	16.395	ug/l	94
20) Methylcyclohexane	6.753	83	350024	16.451	ug/l	97
21) 2,2-Dichloropropane	4.654	77	332047	16.638	ug/l	96
22) cis-1,2-Dichloroethene	4.657	96	200643	15.508	ug/l	91
23) Diethyl Ether	2.367	59	127362	16.043	ug/l	98
24) tert-Butyl Alcohol	3.232	59	96695	118.971	ug/l #	1
25) Methyl tert-Butyl Ether	3.358	73	432201	16.752	ug/l	94
26) Bromochloromethane	4.965	128	77835	14.977	ug/l	89
27) Chloroform	5.078	83	368811	15.798	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	328474	15.643	ug/l	99
29) 1,1-Dichloropropene	5.515	75	275560	16.147	ug/l	97
30) Carbon Tetrachloride	5.512	117	290202	15.996	ug/l	99
31) Isopropyl Ether	3.988	45	576709	17.243	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	562908	18.128	ug/l	97
33) Tert-Amyl methyl ether	5.940	73	476072	18.186	ug/l	98
34) Propionitrile	4.789	54	68006	90.062	ug/l #	14
35) Benzene	5.763	78	782068	15.887	ug/l	100
36) 1,2-Dichloroethane	5.789	62	230747	16.054	ug/l	98
37) Trichloroethene	6.535	130	202248	15.551	ug/l	96
38) 1,2-Dichloropropane	6.785	63	211129	16.450	ug/l	99
39) Methacrylonitrile	4.972	41	60554	19.591	ug/l	94
40) Methyl acrylate	4.843	55	100745	21.802	ug/l #	98
41) Tetrahydrofuran	5.062	42	57962	35.672	ug/l	97
42) 1-Chlorobutane	5.448	56	368058	16.326	ug/l	95
43) Dibromomethane	6.914	93	97247	16.553	ug/l	96
44) Bromodichloromethane	7.100	83	267855	16.296	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	549855	91.254	ug/l	98
46) t-1,4-Dichloro-2-butene	10.837	75	66679m	39.274	ug/l	
47) Methyl methacrylate	6.959	69	184207	35.258	ug/l	93
48) Ethyl methacrylate	8.332	69	184385	17.742	ug/l	97
49) Toluene	7.962	92	488040	16.244	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	250604	17.562	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	308292	17.137	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	132748	16.340	ug/l	98
53) 1,3-Dichloropropane	8.570	76	240160	16.400	ug/l	99
54) 2-Hexanone	8.686	43	537905	94.371	ug/l	98
55) Dibromochloromethane	8.805	129	167302	16.729	ug/l	100
56) 1,2-Dibromoethane	8.917	107	127380	17.084	ug/l	99
58) Tetrachloroethene	8.547	164	176311	15.371	ug/l	93
59) Chlorobenzene	9.441	112	539807	16.339	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	186361	16.559	ug/l	98
61) Pentachloroethane	11.422	117	139775	17.281	ug/l	90
62) Hexachloroethane	12.470	117	168663	18.876	ug/l	96
63) Ethyl Benzene	9.563	91	973609	16.556	ug/l	100
64) m/p-Xylenes	9.689	106	723979	33.927	ug/l	98
65) o-Xylene	10.094	106	356244	16.872	ug/l	95
66) Styrene	10.110	104	567904	17.990	ug/l	96
67) Bromoform	10.284	173	88282	17.346	ug/l	98
69) Isopropylbenzene	10.480	105	958775	17.335	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	164342	16.348	ug/l	98
71) 1,2,3-Trichloropropane	10.833	75	146856m	17.825	ug/l	
72) Bromobenzene	10.779	156	202052	16.713	ug/l	97
73) n-propylbenzene	10.901	120	256815	18.394	ug/l	97
74) 2-Chlorotoluene	10.981	126	213877	16.669	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	814270	17.103	ug/l	99
76) 4-Chlorotoluene	11.091	126	221574	17.134	ug/l	94
77) tert-Butylbenzene	11.415	119	780592	17.447	ug/l	98
78) 1,2,4-Trimethylbenzene	11.464	105	829475	17.186	ug/l	99
79) sec-Butylbenzene	11.637	105	1046251	18.138	ug/l	99
80) Nitrobenzene	13.203	77	24809	118.624	ug/l #	93
81) p-Isopropyltoluene	11.788	119	876921	18.192	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	407947	16.655	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	410201	17.093	ug/l	98
84) n-Butylbenzene	12.203	91	856540	18.707	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	371071	16.586	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	28315	20.182	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	247247	18.602	ug/l	98
88) Hexachlorobutadiene	14.017	225	147831	17.295	ug/l	99
89) Naphthalene	14.081	128	414275	20.157	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	204779	18.332	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

