

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057763.D
 Acq On : 31 Jan 2024 13:22
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 15:32:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 15:31:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	44536	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	17591	1.043	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16334	1.076	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	225990	15.239	ug/l	100
3) Chloromethane	1.518	50	210073	14.763	ug/l	99
4) Vinyl Chloride	1.602	62	223590	15.411	ug/l	100
5) Bromomethane	1.856	94	134996	15.678	ug/l	99
6) Chloroethane	1.933	64	136697	14.913	ug/l	99
7) Trichlorofluoromethane	2.132	101	356882	16.062	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	175617	15.374	ug/l	96
9) 1,1-Dichloroethene	2.573	96	169859	15.346	ug/l	98
10) Iodomethane	2.718	142	223477	17.024	ug/l	94
11) Allyl Chloride	2.917	41	238862	15.910	ug/l	86
12) Acrylonitrile	3.322	53	66462	34.381	ug/l	96
13) Acetone	2.653	43	267808	78.337	ug/l	94
14) Carbon Disulfide	2.785	76	548114	15.471	ug/l	99
15) Methylene Chloride	3.039	84	188633	14.269	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	188655	15.611	ug/l	98
17) 1,1-Dichloroethane	3.859	63	359867	15.774	ug/l	99
18) 2-Butanone	4.714	43	308329	83.679	ug/l	98
19) Cyclohexane	5.383	56	271816	15.204	ug/l	85
20) Methylcyclohexane	6.756	83	345017	15.969	ug/l	96
21) 2,2-Dichloropropane	4.657	77	322484	15.919	ug/l	97
22) cis-1,2-Dichloroethene	4.657	96	205401	15.519	ug/l	96
23) Diethyl Ether	2.370	59	124162	15.541	ug/l	98
24) tert-Butyl Alcohol	3.348	59	141136m	162.947	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	410499	15.806	ug/l	93
26) Bromochloromethane	4.965	128	82407	15.499	ug/l	99
27) Chloroform	5.081	83	366892	15.469	ug/l	95
28) 1,1,1-Trichloroethane	5.309	97	339426	15.849	ug/l	99
29) 1,1-Dichloropropene	5.518	75	278423	16.069	ug/l	97
30) Carbon Tetrachloride	5.518	117	294071	15.937	ug/l	99
31) Isopropyl Ether	3.981	45	534988	16.025	ug/l	94
32) Ethyl-t-butyl ether	4.493	59	502115	16.199	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	435889	16.704	ug/l	97
34) Propionitrile	4.808	54	69940	76.311	ug/l	93
35) Benzene	5.766	78	776148	15.558	ug/l	100
36) 1,2-Dichloroethane	5.785	62	227244	15.632	ug/l	97
37) Trichloroethene	6.537	130	206095	15.556	ug/l	97
38) 1,2-Dichloropropane	6.782	63	201454	15.574	ug/l	100
39) Methacrylonitrile	4.968	41	50912	16.799	ug/l	97
40) Methyl acrylate	4.843	55	96703	15.255	ug/l	97
41) Tetrahydrofuran	5.062	42	51976	31.982	ug/l #	80
42) 1-Chlorobutane	5.451	56	365645	16.006	ug/l	98
43) Dibromomethane	6.914	93	94564	15.896	ug/l	97
44) Bromodichloromethane	7.100	83	262913	15.785	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	531647	83.858	ug/l	98
46) t-1,4-Dichloro-2-butene	10.840	75	50841m	17.069	ug/l	
47) Methyl methacrylate	6.955	69	174822	33.269	ug/l	93
48) Ethyl methacrylate	8.332	69	180301	17.118	ug/l	97
49) Toluene	7.965	92	484815	15.909	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	241746	16.812	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	294961	16.194	ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	128664	15.696	ug/l	99
53) 1,3-Dichloropropane	8.570	76	231967	15.745	ug/l	98
54) 2-Hexanone	8.688	43	479457	82.152	ug/l	98
55) Dibromochloromethane	8.804	129	164373	16.201	ug/l	100
56) 1,2-Dibromoethane	8.917	107	122940	16.297	ug/l	98
58) Tetrachloroethene	8.547	164	178609	15.279	ug/l	96
59) Chlorobenzene	9.441	112	542219	16.093	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	186595	16.313	ug/l	97
61) Pentachloroethane	11.422	117	150978	18.157	ug/l	88
62) Hexachloroethane	12.470	117	168720	15.092	ug/l	96
63) Ethyl Benzene	9.566	91	970960	16.204	ug/l	100
64) m/p-Xylenes	9.688	106	723659	33.252	ug/l	96
65) o-Xylene	10.094	106	360805	16.749	ug/l	96
66) Styrene	10.110	104	571363	17.770	ug/l	96
67) Bromoform	10.287	173	92048	17.626	ug/l	100
69) Isopropylbenzene	10.479	105	965204	17.091	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	170815	16.627	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	151599m	18.124	ug/l	
72) Bromobenzene	10.778	156	210085	16.904	ug/l	98
73) n-propylbenzene	10.901	120	251634	17.732	ug/l	97
74) 2-Chlorotoluene	10.981	126	224962	17.089	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	815013	16.801	ug/l	99
76) 4-Chlorotoluene	11.094	126	228332	17.258	ug/l	94
77) tert-Butylbenzene	11.415	119	784913	17.243	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	834556	16.962	ug/l	100
79) sec-Butylbenzene	11.637	105	996118	17.120	ug/l	98
80) Nitrobenzene	13.203	77	20306	74.775	ug/l #	94
81) p-Isopropyltoluene	11.788	119	846394	17.253	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	420773	16.747	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	411203	16.765	ug/l	97
84) n-Butylbenzene	12.203	91	833690	17.770	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	382771	16.790	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	25749	14.994	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	241037	17.695	ug/l	98
88) Hexachlorobutadiene	14.016	225	145530	16.651	ug/l	99
89) Naphthalene	14.081	128	370669	18.093	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	194016	17.121	ug/l	99

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

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