

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050370.D
 Acq On : 19 Aug 2022 11:23
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/30/2022
 Supervised By :Mahesh Dadoda 09/09/2022

Quant Time: Aug 19 14:04:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 14:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.150	96	32780	1.000	ug/l	# 0.04
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.645	95	9563	0.841	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	11368	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6824	0.543	ug/l	97
3) Chloromethane	1.520	50	9207	0.598	ug/l	95
4) Vinyl Chloride	1.604	62	6457	0.478	ug/l	91
5) Bromomethane	1.854	94	3021	0.526	ug/l	92
6) Chloroethane	1.935	64	4206	0.500	ug/l	91
7) Trichlorofluoromethane	2.141	101	8232	0.520	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.597	101	5133	0.599	ug/l	92
9) 1,1-Dichloroethene	2.597	96	4503	0.500	ug/l	95
11) Allyl Chloride	2.951	41	7439	0.505	ug/l	98
12) Acrylonitrile	3.353	53	2359	0.799	ug/l	92
13) Acetone	2.655	43	5214m	2.481	ug/l	
14) Carbon Disulfide	2.813	76	15407	0.505	ug/l	97
15) Methylene Chloride	3.067	84	8496	0.687	ug/l	91
16) trans-1,2-Dichloroethene	3.378	96	4701	0.479	ug/l	93
17) 1,1-Dichloroethane	3.903	63	10287	0.519	ug/l	98
18) 2-Butanone	4.771	43	6653	2.029	ug/l	96
19) Cyclohexane	5.372	56	7256m	0.616	ug/l	
20) Methylcyclohexane	6.812	83	4968	0.441	ug/l	93
21) 2,2-Dichloropropane	4.684	77	8772	0.596	ug/l	95
22) cis-1,2-Dichloroethene	4.690	96	5392	0.502	ug/l	90
23) Diethyl Ether	2.388	59	3938	0.486	ug/l	96
25) Methyl tert-Butyl Ether	3.401	73	12659	0.498	ug/l	94
26) Bromochloromethane	4.989	128	2158	0.449	ug/l	92
27) Chloroform	5.099	83	10053	0.536	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	8629	0.575	ug/l	97
29) 1,1-Dichloropropene	5.513	75	7119	0.614	ug/l	94
30) Carbon Tetrachloride	5.510	117	6823	0.560	ug/l	97
31) Isopropyl Ether	4.047	45	16798	0.552	ug/l	96
32) Ethyl-t-butyl ether	4.549	59	11561	0.473	ug/l	100
33) Tert-Amyl methyl ether	5.989	73	6784	0.418	ug/l #	91
34) Propionitrile	4.838	54	2197m	1.985	ug/l	
35) Benzene	5.774	78	18845	0.490	ug/l	91
36) 1,2-Dichloroethane	5.809	62	6153	0.511	ug/l	100
37) Trichloroethene	6.597	130	4719	0.506	ug/l	96
38) 1,2-Dichloropropane	6.848	63	5002	0.476	ug/l	95
39) Methacrylonitrile	5.009	41	2013	0.562	ug/l #	88
40) Methyl acrylate	4.886	55	3199	0.510	ug/l #	88
41) Tetrahydrofuran	5.099	42	1837m	0.943	ug/l	
42) 1-Chlorobutane	5.452	56	9617	0.581	ug/l	92
43) Dibromomethane	6.973	93	2791	0.481	ug/l	96
44) Bromodichloromethane	7.153	83	6496	0.481	ug/l	97
45) 4-Methyl-2-Pentanone	7.841	43	11587	1.871	ug/l #	96
46) t-1,4-Dichloro-2-butene	10.841	75	1746m	0.807	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	7.025	69	3175	0.681	ug/l	97
48) Ethyl methacrylate	8.365	69	3059	0.373	ug/l	91
49) Toluene	8.002	92	8362	0.392	ug/l	98
50) t-1,3-Dichloropropene	8.243	75	4542	0.410	ug/l	94
51) cis-1,3-Dichloropropene	7.645	75	5170	0.408	ug/l	91
52) 1,1,2-Trichloroethane	8.430	97	4099	0.475	ug/l	91
53) 1,3-Dichloropropane	8.603	76	6092	0.452	ug/l	97
54) 2-Hexanone	8.719	43	8386	1.954	ug/l	87
55) Dibromochloromethane	8.835	129	4699	0.508	ug/l	90
56) 1,2-Dibromoethane	8.951	107	3487	0.461	ug/l	94
58) Tetrachloroethene	8.574	164	4200	0.481	ug/l	96
59) Chlorobenzene	9.465	112	9831	0.426	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.552	131	4712	0.494	ug/l	98
61) Pentachloroethane	11.436	117	3759	0.477	ug/l	90
62) Hexachloroethane	12.478	117	2880	0.464	ug/l	98
63) Ethyl Benzene	9.587	91	13485	0.371	ug/l	99
64) m/p-Xylenes	9.709	106	9644	0.682	ug/l	97
65) o-Xylene	10.111	106	4611	0.337	ug/l	98
66) Styrene	10.127	104	7403	0.328	ug/l	98
67) Bromoform	10.304	173	2493	0.464	ug/l #	96
69) Isopropylbenzene	10.494	105	12248	0.350	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.793	83	5648	0.480	ug/l	94
71) 1,2,3-Trichloropropane	10.835	75	4308m	0.510	ug/l	
72) Bromobenzene	10.793	156	3992	0.409	ug/l	94
73) n-propylbenzene	10.912	120	3032	0.329	ug/l	91
74) 2-Chlorotoluene	10.992	126	3168	0.351	ug/l	93
75) 1,3,5-Trimethylbenzene	11.095	105	9962	0.326	ug/l	98
76) 4-Chlorotoluene	11.108	126	3016	0.334	ug/l	87
77) tert-Butylbenzene	11.426	119	10970	0.366	ug/l	90
78) 1,2,4-Trimethylbenzene	11.475	105	9805	0.311	ug/l	93
79) sec-Butylbenzene	11.648	105	12725	0.321	ug/l	97
80) Nitrobenzene	13.221	77	1318	1.852	ug/l #	91
81) p-Isopropyltoluene	11.799	119	9709	0.306	ug/l	98
82) 1,3-Dichlorobenzene	11.754	146	7903	0.398	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	7499	0.375	ug/l	98
84) n-Butylbenzene	12.214	91	10413	0.346	ug/l	93
85) 1,2-Dichlorobenzene	12.217	146	7935	0.400	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	761	0.404	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.844	180	4506	0.389	ug/l	93
88) Hexachlorobutadiene	14.021	225	3337	0.487	ug/l	96
89) Naphthalene	14.092	128	10072	0.385	ug/l	98
90) 1,2,3-Trichlorobenzene	14.333	180	4459	0.374	ug/l	95

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

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