

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047618.D
 Acq On : 18 Mar 2022 16:50
 Operator : SY/MD
 Sample : N1645-08 0.5PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022

Quant Time: Mar 19 05:55:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Mar 19 05:55:19 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	28857	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	9535	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	12814	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	5104	0.490	ug/l	96
3) Chloromethane	1.530	50	4982	0.489	ug/l	91
4) Vinyl Chloride	1.607	62	4587	0.464	ug/l	99
5) Bromomethane	1.861	94	2401	0.414	ug/l	96
6) Chloroethane	1.941	64	2808	0.475	ug/l	91
7) Trichlorofluoromethane	2.144	101	6627	0.485	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	3663	0.469	ug/l	91
9) 1,1-Dichloroethene	2.585	96	3944	0.511	ug/l	87
10) Iodomethane	2.726	142	1426	0.452	ug/l	95
11) Allyl Chloride	2.929	41	4998	0.515	ug/l	95
12) Acrylonitrile	3.330	53	1640	0.963	ug/l	# 86
13) Acetone	2.652	43	3057	2.639	ug/l	91
14) Carbon Disulfide	2.800	76	12429	0.510	ug/l	97
15) Methylene Chloride	3.051	84	6620	0.589	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	4338	0.535	ug/l	85
17) 1,1-Dichloroethane	3.874	63	6733	0.489	ug/l	96
18) 2-Butanone	4.745	43	3410	1.890	ug/l	92
19) Cyclohexane	5.388	56	4773m	0.462	ug/l	
20) Methylcyclohexane	6.764	83	4962	0.419	ug/l	96
21) 2,2-Dichloropropane	4.671	77	5782	0.478	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	4257	0.483	ug/l	86
23) Diethyl Ether	2.382	59	2771	0.491	ug/l	96
24) tert-Butyl Alcohol	3.247	59	1454m	3.739	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	9528	0.507	ug/l	# 86
26) Bromochloromethane	4.977	128	2157	0.484	ug/l	83
27) Chloroform	5.096	83	7785	0.523	ug/l	97
28) 1,1,1-Trichloroethane	5.321	97	6360	0.492	ug/l	95
29) 1,1-Dichloropropene	5.530	75	4869	0.465	ug/l	97
30) Carbon Tetrachloride	5.527	117	5862	0.509	ug/l	96
31) Isopropyl Ether	4.002	45	8597	0.470	ug/l	92
32) Ethyl-t-butyl ether	4.514	59	8803	0.477	ug/l	# 72
33) Tert-Amyl methyl ether	5.945	73	7524	0.434	ug/l	98
34) Propionitrile	4.819	54	884m	1.813	ug/l	
35) Benzene	5.781	78	15172	0.484	ug/l	97
36) 1,2-Dichloroethane	5.803	62	4657	0.491	ug/l	98
37) Trichloroethene	6.546	130	4070	0.449	ug/l	95
38) 1,2-Dichloropropane	6.793	63	3590	0.445	ug/l	92
39) Methacrylonitrile	4.993	41	956m	0.423	ug/l	
40) Methyl acrylate	4.864	55	1779m	0.466	ug/l	
41) Tetrahydrofuran	5.083	42	1031	0.899	ug/l	# 84
42) 1-Chlorobutane	5.462	56	6432	0.476	ug/l	100
43) Dibromomethane	6.925	93	2167	0.448	ug/l	# 84
44) Bromodichloromethane	7.112	83	5578	0.497	ug/l	97

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45) 4-Methyl-2-Pentanone	7.803	43	11580	2.394	ug/l	96
46) t-1,4-Dichloro-2-butene	10.838	75	1932m	0.920	ug/l	
47) Methyl methacrylate	6.967	69	2987	0.763	ug/l	96
48) Ethyl methacrylate	8.337	69	3089	0.419	ug/l	85
49) Toluene	7.973	92	8436	0.438	ug/l	94
50) t-1,3-Dichloropropene	8.215	75	4781	0.460	ug/l	94
51) cis-1,3-Dichloropropene	7.613	75	5289	0.462	ug/l	93
52) 1,1,2-Trichloroethane	8.407	97	3214	0.477	ug/l	94
53) 1,3-Dichloropropane	8.581	76	5452	0.497	ug/l	96
54) 2-Hexanone	8.697	43	8107	2.296	ug/l	94
55) Dibromochloromethane	8.813	129	4106	0.483	ug/l	99
56) 1,2-Dibromoethane	8.932	107	3111	0.464	ug/l	98
58) Tetrachloroethene	8.555	164	3915	0.469	ug/l	98
59) Chlorobenzene	9.452	112	10339	0.460	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	4263	0.489	ug/l	96
61) Pentachloroethane	11.427	117	3719	0.504	ug/l	91
62) Hexachloroethane	12.478	117	3455	0.472	ug/l #	72
63) Ethyl Benzene	9.571	91	15387	0.437	ug/l	98
64) m/p-Xylenes	9.697	106	11235	0.805	ug/l	91
65) o-Xylene	10.102	106	5357	0.406	ug/l	99
66) Styrene	10.118	104	9003	0.395	ug/l	97
67) Bromoform	10.298	173	2738	0.484	ug/l #	98
69) Isopropylbenzene	10.488	105	14106	0.403	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	4258	0.475	ug/l	99
71) 1,2,3-Trichloropropane	10.829	75	3061m	0.432	ug/l	
72) Bromobenzene	10.787	156	4880	0.466	ug/l	81
73) n-propylbenzene	10.909	120	3902	0.385	ug/l	95
74) 2-Chlorotoluene	10.989	126	3996	0.429	ug/l	80
75) 1,3,5-Trimethylbenzene	11.089	105	11480	0.385	ug/l	97
76) 4-Chlorotoluene	11.099	126	3889	0.392	ug/l	87
77) tert-Butylbenzene	11.423	119	12949	0.425	ug/l	91
78) 1,2,4-Trimethylbenzene	11.472	105	11601	0.381	ug/l	96
79) sec-Butylbenzene	11.645	105	15678	0.395	ug/l	96
80) Nitrobenzene	13.218	77	818	2.234	ug/l #	84
81) p-Isopropyltoluene	11.796	119	12573	0.376	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	9933	0.480	ug/l	97
83) 1,4-Dichlorobenzene	11.841	146	9677	0.465	ug/l	96
84) n-Butylbenzene	12.211	91	12510	0.398	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	9388	0.472	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.002	75	688	0.455	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.845	180	6801	0.479	ug/l	97
88) Hexachlorobutadiene	14.021	225	3834	0.450	ug/l	97
89) Naphthalene	14.092	128	11142	0.462	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	6177	0.461	ug/l	93

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

