

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049652.D
 Acq On : 07 Jul 2022 14:30
 Operator : SY/MD
 Sample : N3214-08 1.0PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2022

Quant Time: Jul 08 07:23:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 08 07:22:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

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

Internal Standards						
1) Fluorobenzene	6.115	96	39570	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	13794	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13922	1.043	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	17067	1.126	ug/l	96
3) Chloromethane	1.533	50	16641	1.074	ug/l	97
4) Vinyl Chloride	1.604	62	15809	1.119	ug/l	96
5) Bromomethane	1.858	94	7799	1.058	ug/l	96
6) Chloroethane	1.935	64	7930	1.002	ug/l	# 87
7) Trichlorofluoromethane	2.138	101	19246	1.136	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9848	1.107	ug/l	100
9) 1,1-Dichloroethene	2.581	96	9498	1.059	ug/l	93
10) Iodomethane	2.723	142	7983	0.701	ug/l	99
11) Allyl Chloride	2.922	41	16100	1.052	ug/l	92
12) Acrylonitrile	3.327	53	5124	2.136	ug/l	95
13) Acetone	2.649	43	10864	5.740	ug/l	99
14) Carbon Disulfide	2.790	76	30079	1.018	ug/l	98
15) Methylene Chloride	3.041	84	14413	1.283	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	9335	0.991	ug/l	96
17) 1,1-Dichloroethane	3.867	63	21196	1.088	ug/l	97
18) 2-Butanone	4.732	43	16861	5.226	ug/l	99
19) Cyclohexane	5.379	56	17990m	0.966	ug/l	
20) Methylcyclohexane	6.761	83	17447	0.951	ug/l	97
21) 2,2-Dichloropropane	4.665	77	16347	1.025	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	11833	1.018	ug/l	95
23) Diethyl Ether	2.379	59	7969	1.043	ug/l	91
24) tert-Butyl Alcohol	3.247	59	10952m	12.559	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	27417	1.093	ug/l	99
26) Bromochloromethane	4.973	128	5075	1.037	ug/l	93
27) Chloroform	5.089	83	21069	1.099	ug/l	93
28) 1,1,1-Trichloroethane	5.314	97	18174	1.075	ug/l	97
29) 1,1-Dichloropropene	5.526	75	14785	0.979	ug/l	97
30) Carbon Tetrachloride	5.523	117	15039	1.056	ug/l	98
31) Isopropyl Ether	3.999	45	34387	1.029	ug/l	94
32) Ethyl-t-butyl ether	4.514	59	30777	0.973	ug/l	96
33) Tert-Amyl methyl ether	5.948	73	26409	0.960	ug/l	99
34) Propionitrile	4.809	54	5283	5.711	ug/l	# 94
35) Benzene	5.774	78	44508	1.034	ug/l	98
36) 1,2-Dichloroethane	5.800	62	13428	1.098	ug/l	# 88
37) Trichloroethene	6.539	130	11183	1.028	ug/l	99
38) 1,2-Dichloropropane	6.793	63	12251	1.075	ug/l	97
39) Methacrylonitrile	4.983	41	3951	0.997	ug/l	95
40) Methyl acrylate	4.864	55	7044	1.135	ug/l	96
41) Tetrahydrofuran	5.076	42	5074	2.166	ug/l	# 81
42) 1-Chlorobutane	5.459	56	21738	1.027	ug/l	98
43) Dibromomethane	6.919	93	6079	1.071	ug/l	98
44) Bromodichloromethane	7.108	83	14274	1.049	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	38680	5.021	ug/l	99
46) t-1,4-Dichloro-2-butene	10.829	75	6846m	2.731	ug/l	
47) Methyl methacrylate	6.970	69	11577	2.023	ug/l	99
48) Ethyl methacrylate	8.337	69	11055	0.963	ug/l	98
49) Toluene	7.970	92	25585	0.974	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	12750	0.970	ug/l	94
51) cis-1,3-Dichloropropene	7.610	75	15389	0.988	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	8694	1.110	ug/l	94
53) 1,3-Dichloropropane	8.578	76	15269	1.086	ug/l	98
54) 2-Hexanone	8.690	43	27035	5.053	ug/l	96
55) Dibromochloromethane	8.813	129	9591	1.072	ug/l	99
56) 1,2-Dibromoethane	8.925	107	8389	1.106	ug/l	95
58) Tetrachloroethene	8.552	164	9500	1.051	ug/l	98
59) Chlorobenzene	9.446	112	27021	0.983	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.536	131	10158	1.039	ug/l	98
61) Pentachloroethane	11.430	117	7717	1.028	ug/l	100
62) Hexachloroethane	12.475	117	7639	1.016	ug/l	98
63) Ethyl Benzene	9.571	91	46646	0.943	ug/l	99
64) m/p-Xylenes	9.694	106	35300	1.929	ug/l	95
65) o-Xylene	10.102	106	16467	0.915	ug/l	97
66) Styrene	10.115	104	26707	0.924	ug/l	100
67) Bromoform	10.292	173	5463	1.070	ug/l	98
69) Isopropylbenzene	10.484	105	44682	0.930	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	10882	1.069	ug/l	97
71) 1,2,3-Trichloropropane	10.829	75	7599m	0.902	ug/l	
72) Bromobenzene	10.784	156	10871	1.004	ug/l	96
73) n-propylbenzene	10.906	120	11572	0.954	ug/l	100
74) 2-Chlorotoluene	10.986	126	10947	1.013	ug/l	96
75) 1,3,5-Trimethylbenzene	11.089	105	37258	0.928	ug/l	99
76) 4-Chlorotoluene	11.099	126	10932	1.008	ug/l	88
77) tert-Butylbenzene	11.420	119	38159	0.965	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	36317	0.901	ug/l	99
79) sec-Butylbenzene	11.642	105	50994	0.983	ug/l	98
80) Nitrobenzene	13.214	77	2136	5.131	ug/l #	93
81) p-Isopropyltoluene	11.793	119	40522	0.963	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	22260	1.063	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	23132	1.095	ug/l	88
84) n-Butylbenzene	12.208	91	37467	0.956	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	21639	1.067	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	2110	1.189	ug/l #	81
87) 1,2,4-Trichlorobenzene	13.841	180	14005	1.023	ug/l	97
88) Hexachlorobutadiene	14.021	225	7674	1.100	ug/l	99
89) Naphthalene	14.089	128	28251	0.984	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	13698	1.048	ug/l	98

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

