

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051459.D
 Acq On : 19 Oct 2022 15:56
 Operator : JC/MD
 Sample : N3980-08 1.0PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2022

Quant Time: Oct 20 07:43:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/25/2022

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

Internal Standards						
1) Fluorobenzene	6.115	96	35559	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	9908	0.794	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12873	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	14192	1.143	ug/l	98
3) Chloromethane	1.530	50	18860	0.964	ug/l	96
4) Vinyl Chloride	1.604	62	17134	1.011	ug/l	# 79
5) Bromomethane	1.851	94	10306	1.091	ug/l	96
6) Chloroethane	1.932	64	11363	1.177	ug/l	99
7) Trichlorofluoromethane	2.141	101	20562	1.087	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	11991	1.148	ug/l	94
9) 1,1-Dichloroethene	2.581	96	11856	1.086	ug/l	97
10) Iodomethane	2.723	142	11395	0.806	ug/l	99
11) Allyl Chloride	2.922	41	16950	1.019	ug/l	95
12) Acrylonitrile	3.314	53	8612	2.682	ug/l	90
13) Acetone	2.626	43	18565	8.029	ug/l	100
14) Carbon Disulfide	2.790	76	40475	1.041	ug/l	99
15) Methylene Chloride	3.041	84	33467	2.094	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	13506	1.079	ug/l	95
17) 1,1-Dichloroethane	3.867	63	22994	1.022	ug/l	99
18) 2-Butanone	4.719	43	17643	6.288	ug/l	98
19) Cyclohexane	5.385	56	12533m	0.899	ug/l	
20) Methylcyclohexane	6.761	83	11500	0.831	ug/l	89
21) 2,2-Dichloropropane	4.658	77	16163	1.029	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	10968	0.926	ug/l	97
23) Diethyl Ether	2.379	59	10767	1.130	ug/l	99
24) tert-Butyl Alcohol	3.186	59	18109	18.122	ug/l	95
25) Methyl tert-Butyl Ether	3.369	73	33231	1.171	ug/l	94
26) Bromochloromethane	4.980	128	5976	1.036	ug/l	98
27) Chloroform	5.089	83	23310	1.023	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	17244	0.948	ug/l	94
29) 1,1-Dichloropropene	5.526	75	12258	0.880	ug/l	98
30) Carbon Tetrachloride	5.520	117	15494	1.010	ug/l	97
31) Isopropyl Ether	3.999	45	25566	0.961	ug/l	90
32) Ethyl-t-butyl ether	4.504	59	22771	0.937	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	19128	0.896	ug/l	98
34) Propionitrile	4.784	54	6491	6.881	ug/l	# 96
35) Benzene	5.774	78	43516	0.931	ug/l	96
36) 1,2-Dichloroethane	5.797	62	15909	1.103	ug/l	98
37) Trichloroethene	6.539	130	10740	0.979	ug/l	93
38) 1,2-Dichloropropane	6.790	63	12230	0.954	ug/l	99
39) Methacrylonitrile	4.980	41	3784	1.174	ug/l	# 44
40) Methyl acrylate	4.864	55	5270	1.025	ug/l	# 90
41) Tetrahydrofuran	5.067	42	4064	2.401	ug/l	# 91
42) 1-Chlorobutane	5.459	56	17661	0.929	ug/l	99
43) Dibromomethane	6.919	93	7496	1.126	ug/l	96
44) Bromodichloromethane	7.105	83	16702	1.037	ug/l	# 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	31326	4.945	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	9255m	2.617	ug/l	
47) Methyl methacrylate	6.964	69	8886	1.746	ug/l	91
48) Ethyl methacrylate	8.337	69	7955	0.933	ug/l	99
49) Toluene	7.970	92	20332	0.793	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	12362	0.954	ug/l	95
51) cis-1,3-Dichloropropene	7.610	75	13299	0.871	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	10522	1.107	ug/l	98
53) 1,3-Dichloropropane	8.575	76	15504	1.012	ug/l	96
54) 2-Hexanone	8.687	43	22450	5.153	ug/l	92
55) Dibromochloromethane	8.809	129	11112	1.075	ug/l	96
56) 1,2-Dibromoethane	8.925	107	9435	1.129	ug/l	99
58) Tetrachloroethene	8.549	164	9100	0.952	ug/l	93
59) Chlorobenzene	9.446	112	24669	0.877	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	10462	0.970	ug/l	98
61) Pentachloroethane	11.427	117	9281	0.966	ug/l	98
62) Hexachloroethane	12.475	117	8757	0.960	ug/l	97
63) Ethyl Benzene	9.571	91	30778	0.721	ug/l	97
64) m/p-Xylenes	9.693	106	23277	1.369	ug/l	93
65) o-Xylene	10.099	106	11840	0.716	ug/l	98
66) Styrene	10.115	104	17607	0.642	ug/l	98
67) Bromoform	10.288	173	6786	1.170	ug/l	98
69) Isopropylbenzene	10.484	105	29111	0.715	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	15408	1.199	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	11921m	1.248	ug/l	
72) Bromobenzene	10.780	156	8563	0.765	ug/l	92
73) n-propylbenzene	10.906	120	7338	0.641	ug/l	88
74) 2-Chlorotoluene	10.986	126	7697	0.706	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	22992	0.623	ug/l	98
76) 4-Chlorotoluene	11.095	126	7341	0.659	ug/l	93
77) tert-Butylbenzene	11.420	119	26324	0.730	ug/l	93
78) 1,2,4-Trimethylbenzene	11.468	105	23387	0.609	ug/l	100
79) sec-Butylbenzene	11.642	105	30976	0.649	ug/l	100
80) Nitrobenzene	13.217	77	2577m	4.050	ug/l	
81) p-Isopropyltoluene	11.793	119	23199	0.607	ug/l	97
82) 1,3-Dichlorobenzene	11.745	146	19147	0.796	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	17876	0.760	ug/l	98
84) n-Butylbenzene	12.208	91	22234	0.587	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	19011	0.803	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2336	1.162	ug/l	93
87) 1,2,4-Trichlorobenzene	13.841	180	9059	0.706	ug/l	92
88) Hexachlorobutadiene	14.021	225	7442	0.890	ug/l	96
89) Naphthalene	14.089	128	16393	0.611	ug/l	98
90) 1,2,3-Trichlorobenzene	14.333	180	8743	0.623	ug/l	97

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

