

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057765.D
 Acq On : 31 Jan 2024 15:04
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 15:24:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 15:20:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	45021	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	15958	0.899	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	14262	0.866	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	28275	1.617	ug/l	98
3) Chloromethane	1.518	50	28358	1.898	ug/l	99
4) Vinyl Chloride	1.602	62	28681	1.873	ug/l	98
5) Bromomethane	1.856	94	16964	2.013	ug/l	97
6) Chloroethane	1.933	64	17958	2.421	ug/l	99
7) Trichlorofluoromethane	2.136	101	43197	2.139	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	22108	1.642	ug/l	96
9) 1,1-Dichloroethene	2.576	96	21951	1.748	ug/l	94
10) Iodomethane	2.718	142	23624	1.263	ug/l	98
11) Allyl Chloride	2.920	41	27768	1.701	ug/l	86
12) Acrylonitrile	3.332	53	6491	2.751	ug/l	# 93
13) Acetone	2.660	43	35061	6.965	ug/l	99
14) Carbon Disulfide	2.788	76	68687	1.676	ug/l	99
15) Methylene Chloride	3.042	84	25148	1.698	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	23223	1.745	ug/l	98
17) 1,1-Dichloroethane	3.862	63	43784	1.769	ug/l	99
18) 2-Butanone	4.724	43	35846	6.609	ug/l	97
19) Cyclohexane	5.383	56	34552	1.636	ug/l	87
20) Methylcyclohexane	6.759	83	43134	1.966	ug/l	95
21) 2,2-Dichloropropane	4.656	77	37282	1.789	ug/l	96
22) cis-1,2-Dichloroethene	4.663	96	26105	1.840	ug/l	99
23) Diethyl Ether	2.374	59	14825	1.975	ug/l	99
24) tert-Butyl Alcohol	3.348	59	18283m	23.747	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	50611	1.873	ug/l	93
26) Bromochloromethane	4.972	128	10284	1.711	ug/l	98
27) Chloroform	5.084	83	46505	1.831	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	41937	1.842	ug/l	99
29) 1,1-Dichloropropene	5.525	75	31338	1.738	ug/l	96
30) Carbon Tetrachloride	5.521	117	35976	1.810	ug/l	93
31) Isopropyl Ether	3.984	45	62576	1.882	ug/l	97
32) Ethyl-t-butyl ether	4.492	59	57143	1.780	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	48342	1.757	ug/l	99
34) Propionitrile	4.811	54	7129m	8.309	ug/l	
35) Benzene	5.769	78	98729	1.808	ug/l	100
36) 1,2-Dichloroethane	5.791	62	28556	1.925	ug/l	98
37) Trichloroethene	6.541	130	25638	1.804	ug/l	99
38) 1,2-Dichloropropane	6.785	63	25836	1.811	ug/l	96
39) Methacrylonitrile	4.981	41	5585	1.746	ug/l	91
40) Methyl acrylate	4.862	55	7588	1.655	ug/l	# 94
41) Tetrahydrofuran	5.071	42	5931	3.272	ug/l	91
42) 1-Chlorobutane	5.454	56	40772	1.696	ug/l	90
43) Dibromomethane	6.917	93	10765	1.588	ug/l	97
44) Bromodichloromethane	7.100	83	32755	1.828	ug/l	94

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45) 4-Methyl-2-Pentanone	7.788	43	61498	8.772	ug/l	98
46) t-1,4-Dichloro-2-butene	10.836	75	5734m	2.056	ug/l	
47) Methyl methacrylate	6.962	69	19294	3.450	ug/l #	92
48) Ethyl methacrylate	8.332	69	18743	1.894	ug/l	95
49) Toluene	7.965	92	59211	1.832	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	27924	1.761	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	35404	1.825	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	16567	1.711	ug/l	97
53) 1,3-Dichloropropane	8.569	76	27307	1.650	ug/l	99
54) 2-Hexanone	8.685	43	57772	7.355	ug/l	97
55) Dibromochloromethane	8.807	129	19537	1.672	ug/l	100
56) 1,2-Dibromoethane	8.920	107	15032	1.699	ug/l	98
58) Tetrachloroethene	8.550	164	22887	1.549	ug/l	95
59) Chlorobenzene	9.444	112	66298	1.857	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	20633	1.622	ug/l	97
61) Pentachloroethane	11.421	117	14331	1.664	ug/l	92
62) Hexachloroethane	12.470	117	15386	1.841	ug/l	96
63) Ethyl Benzene	9.566	91	116663	1.926	ug/l	99
64) m/p-Xylenes	9.692	106	82903	3.560	ug/l	98
65) o-Xylene	10.097	106	41156	1.801	ug/l	93
66) Styrene	10.113	104	60500	1.693	ug/l	95
67) Bromoform	10.286	173	10089	1.607	ug/l	96
69) Isopropylbenzene	10.479	105	104849	1.782	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	19408	1.714	ug/l	100
71) 1,2,3-Trichloropropane	10.820	75	16130m	1.719	ug/l	
72) Bromobenzene	10.778	156	22973	1.636	ug/l	96
73) n-propylbenzene	10.904	120	24970	1.737	ug/l	100
74) 2-Chlorotoluene	10.981	126	23791	1.687	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	92414	1.885	ug/l	99
76) 4-Chlorotoluene	11.093	126	23792	1.655	ug/l	94
77) tert-Butylbenzene	11.415	119	80761	1.850	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	92914	1.901	ug/l	100
79) sec-Butylbenzene	11.637	105	105511	1.888	ug/l	99
80) Nitrobenzene	13.212	77	1868	7.487	ug/l #	90
81) p-Isopropyltoluene	11.788	119	89224	1.962	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	47111	1.644	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	45580	1.644	ug/l	96
84) n-Butylbenzene	12.203	91	87528	2.178	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	43528	1.662	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2790	1.726	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	26850	1.929	ug/l	98
88) Hexachlorobutadiene	14.016	225	15950	1.614	ug/l	98
89) Naphthalene	14.084	128	43325	2.157	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	22646	1.912	ug/l	98

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

