

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057759.D
 Acq On : 31 Jan 2024 11:12
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 11:33:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 11:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	42092	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15998	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	13812	0.897	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	12333	0.755	ug/l	96
3) Chloromethane	1.518	50	11480	0.822	ug/l	98
4) Vinyl Chloride	1.602	62	11389	0.795	ug/l	96
5) Bromomethane	1.856	94	7308	0.927	ug/l	93
6) Chloroethane	1.933	64	7842	1.131	ug/l	96
7) Trichlorofluoromethane	2.136	101	17339	0.918	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	9425	0.749	ug/l	96
9) 1,1-Dichloroethene	2.576	96	9103	0.775	ug/l	94
10) Iodomethane	2.718	142	9722	0.556	ug/l	92
11) Allyl Chloride	2.920	41	11857	0.777	ug/l	89
12) Acrylonitrile	3.345	53	3099	1.405	ug/l	# 77
13) Acetone	2.650	43	11962	2.542	ug/l	93
14) Carbon Disulfide	2.788	76	28367	0.740	ug/l	98
15) Methylene Chloride	3.042	84	11014	0.795	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	9452	0.760	ug/l	91
17) 1,1-Dichloroethane	3.866	63	18202	0.787	ug/l	99
18) 2-Butanone	4.730	43	13965m	2.754	ug/l	
19) Cyclohexane	5.383	56	14441	0.732	ug/l	90
20) Methylcyclohexane	6.756	83	17435	0.850	ug/l	97
21) 2,2-Dichloropropane	4.660	77	15550	0.798	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	10266	0.774	ug/l	90
23) Diethyl Ether	2.374	59	6507	0.927	ug/l	97
24) tert-Butyl Alcohol	3.255	59	7449m	10.348	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	20090	0.795	ug/l	95
26) Bromochloromethane	4.965	128	4270	0.760	ug/l	95
27) Chloroform	5.081	83	19735	0.831	ug/l	95
28) 1,1,1-Trichloroethane	5.309	97	16656	0.783	ug/l	96
29) 1,1-Dichloropropene	5.525	75	14022	0.832	ug/l	96
30) Carbon Tetrachloride	5.518	117	14653	0.789	ug/l	95
31) Isopropyl Ether	3.985	45	27100	0.872	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	24105	0.803	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	20664	0.803	ug/l	98
34) Propionitrile	4.820	54	2848m	3.550	ug/l	
35) Benzene	5.772	78	40112	0.786	ug/l	96
36) 1,2-Dichloroethane	5.795	62	11636	0.839	ug/l	96
37) Trichloroethene	6.541	130	10906	0.821	ug/l	99
38) 1,2-Dichloropropane	6.785	63	10333	0.775	ug/l	99
39) Methacrylonitrile	4.994	41	2266m	0.758	ug/l	
40) Methyl acrylate	4.882	55	2795m	1.018	ug/l	
41) Tetrahydrofuran	5.071	42	2540	1.499	ug/l	# 88
42) 1-Chlorobutane	5.457	56	18077	0.804	ug/l	88
43) Dibromomethane	6.917	93	4835	0.763	ug/l	95
44) Bromodichloromethane	7.103	83	13239	0.790	ug/l	99

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45) 4-Methyl-2-Pentanone	7.791	43	23264	3.549	ug/l	97
46) t-1,4-Dichloro-2-butene	10.840	75	1795m	0.688	ug/l	
47) Methyl methacrylate	6.965	69	8141	1.557	ug/l #	91
48) Ethyl methacrylate	8.335	69	8008	1.151	ug/l	94
49) Toluene	7.968	92	24127	0.798	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	10753	0.725	ug/l	91
51) cis-1,3-Dichloropropene	7.605	75	14026	0.773	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	6463	0.714	ug/l	95
53) 1,3-Dichloropropane	8.573	76	12115	0.783	ug/l	95
54) 2-Hexanone	8.688	43	20308	2.765	ug/l	99
55) Dibromochloromethane	8.807	129	7848	0.718	ug/l	97
56) 1,2-Dibromoethane	8.920	107	5845	0.707	ug/l	94
58) Tetrachloroethene	8.550	164	9610	0.696	ug/l	94
59) Chlorobenzene	9.447	112	25964	0.778	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.528	131	9060	0.762	ug/l	97
61) Pentachloroethane	11.425	117	6221	0.773	ug/l	95
62) Hexachloroethane	12.470	117	6512	1.001	ug/l	95
63) Ethyl Benzene	9.566	91	45885	0.810	ug/l	100
64) m/p-Xylenes	9.692	106	34107	1.566	ug/l	94
65) o-Xylene	10.097	106	16513	0.773	ug/l	95
66) Styrene	10.113	104	22614	0.677	ug/l	95
67) Bromoform	10.287	173	3689	0.629	ug/l	96
69) Isopropylbenzene	10.479	105	41803	0.760	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	8352	0.789	ug/l	95
71) 1,2,3-Trichloropropane	10.820	75	6743m	0.768	ug/l	
72) Bromobenzene	10.782	156	9664	0.736	ug/l	83
73) n-propylbenzene	10.904	120	10166	1.020	ug/l	91
74) 2-Chlorotoluene	10.984	126	9839	0.746	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	36741	1.047	ug/l	99
76) 4-Chlorotoluene	11.097	126	10094	0.751	ug/l	99
77) tert-Butylbenzene	11.415	119	35379	1.119	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	36908	1.063	ug/l	100
79) sec-Butylbenzene	11.640	105	45374	1.154	ug/l	99
80) Nitrobenzene	13.232	77	654m	4.690	ug/l	
81) p-Isopropyltoluene	11.788	119	36880	1.180	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	19493	0.728	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	19295	0.744	ug/l	98
84) n-Butylbenzene	12.206	91	33347	1.221	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	17277	0.706	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1071	0.709	ug/l	93
87) 1,2,4-Trichlorobenzene	13.839	180	9930	1.041	ug/l	98
88) Hexachlorobutadiene	14.016	225	6800	0.736	ug/l	98
89) Naphthalene	14.090	128	14218	1.194	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.328	180	8156	1.036	ug/l	98

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

