

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057804.D
 Acq On : 05 Feb 2024 12:53
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 06 01:02:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 00:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	43934	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15202	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14090	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	28805	1.971	ug/l	99
3) Chloromethane	1.518	50	27793	1.972	ug/l	99
4) Vinyl Chloride	1.602	62	28663	2.000	ug/l	98
5) Bromomethane	1.853	94	17159	2.046	ug/l	98
6) Chloroethane	1.927	64	18772	2.081	ug/l	94
7) Trichlorofluoromethane	2.126	101	43203	2.057	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	22161	1.973	ug/l	97
9) 1,1-Dichloroethene	2.570	96	21552	1.991	ug/l	98
10) Iodomethane	2.711	142	33932	2.577	ug/l	94
11) Allyl Chloride	2.914	41	31704	2.118	ug/l	91
12) Acrylonitrile	3.313	53	9533	4.979	ug/l #	88
13) Acetone	2.631	43	41113	12.344	ug/l	90
14) Carbon Disulfide	2.782	76	68229	1.965	ug/l	98
15) Methylene Chloride	3.036	84	27205	2.092	ug/l	98
16) trans-1,2-Dichloroethene	3.341	96	23535	1.992	ug/l	98
17) 1,1-Dichloroethane	3.859	63	47120	2.088	ug/l	98
18) 2-Butanone	4.714	43	44699	12.267	ug/l	99
19) Cyclohexane	5.370	56	36305	2.045	ug/l	93
20) Methylcyclohexane	6.753	83	42574	2.007	ug/l	96
21) 2,2-Dichloropropane	4.650	77	41205	2.071	ug/l	94
22) cis-1,2-Dichloroethene	4.657	96	24913	1.932	ug/l	88
23) Diethyl Ether	2.367	59	16918	2.138	ug/l	98
24) tert-Butyl Alcohol	3.213	59	10881	13.431	ug/l #	1
25) Methyl tert-Butyl Ether	3.358	73	53601	2.084	ug/l #	92
26) Bromochloromethane	4.962	128	9965	1.924	ug/l	91
27) Chloroform	5.078	83	46896	2.015	ug/l	97
28) 1,1,1-Trichloroethane	5.306	97	42160	2.014	ug/l	99
29) 1,1-Dichloropropene	5.515	75	34803	2.046	ug/l	94
30) Carbon Tetrachloride	5.512	117	35768	1.978	ug/l	98
31) Isopropyl Ether	3.988	45	71100	2.133	ug/l	95
32) Ethyl-t-butyl ether	4.502	59	69392	2.242	ug/l	97
33) Tert-Amyl methyl ether	5.943	73	58506	2.242	ug/l	99
34) Propionitrile	4.785	54	9077	12.059	ug/l #	1
35) Benzene	5.766	78	97808	1.993	ug/l	99
36) 1,2-Dichloroethane	5.788	62	28822	2.012	ug/l	98
37) Trichloroethene	6.534	130	24899	1.921	ug/l	95
38) 1,2-Dichloropropane	6.785	63	25859	2.021	ug/l	96
39) Methacrylonitrile	4.978	41	6977	2.265	ug/l	89
40) Methyl acrylate	4.849	55	11129	2.416	ug/l	98
41) Tetrahydrofuran	5.062	42	7186	4.437	ug/l	99
42) 1-Chlorobutane	5.448	56	44481	1.979	ug/l	94
43) Dibromomethane	6.914	93	12035	2.055	ug/l	96
44) Bromodichloromethane	7.103	83	32058	1.957	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	65874	10.968	ug/l	99
46) t-1,4-Dichloro-2-butene	10.840	75	6783m	4.008	ug/l	
47) Methyl methacrylate	6.965	69	21926	4.210	ug/l	96
48) Ethyl methacrylate	8.335	69	21155	2.042	ug/l	97
49) Toluene	7.965	92	59047	1.972	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	29134	2.048	ug/l	100
51) cis-1,3-Dichloropropene	7.605	75	36051	2.010	ug/l	95
52) 1,1,2-Trichloroethane	8.399	97	16314	2.015	ug/l	96
53) 1,3-Dichloropropane	8.573	76	30006	2.056	ug/l	100
54) 2-Hexanone	8.689	43	64086	11.280	ug/l	96
55) Dibromochloromethane	8.807	129	18977	1.904	ug/l	99
56) 1,2-Dibromoethane	8.920	107	15497	2.085	ug/l	100
58) Tetrachloroethene	8.547	164	22175	1.939	ug/l	98
59) Chlorobenzene	9.441	112	64926	1.971	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	22625	2.017	ug/l	96
61) Pentachloroethane	11.422	117	16815	2.086	ug/l	95
62) Hexachloroethane	12.470	117	18665	2.096	ug/l	96
63) Ethyl Benzene	9.566	91	115472	1.970	ug/l	99
64) m/p-Xylenes	9.688	106	85662	4.027	ug/l	99
65) o-Xylene	10.097	106	42994	2.043	ug/l	97
66) Styrene	10.113	104	63155	2.007	ug/l	94
67) Bromoform	10.287	173	9561	1.885	ug/l	99
69) Isopropylbenzene	10.479	105	110439	2.003	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	19465	1.942	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	18397m	2.240	ug/l	
72) Bromobenzene	10.778	156	24384	2.023	ug/l	98
73) n-propylbenzene	10.901	120	28954	2.080	ug/l	98
74) 2-Chlorotoluene	10.981	126	25550	1.998	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	94515	1.992	ug/l	98
76) 4-Chlorotoluene	11.094	126	26285	2.039	ug/l	100
77) tert-Butylbenzene	11.415	119	89916	2.016	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	91221	1.896	ug/l	98
79) sec-Butylbenzene	11.637	105	118880	2.068	ug/l	99
80) Nitrobenzene	13.209	77	2326	11.157	ug/l #	89
81) p-Isopropyltoluene	11.788	119	96475	2.008	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	47358	1.940	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	45725	1.911	ug/l	95
84) n-Butylbenzene	12.203	91	91242	1.999	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	44530	1.997	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3250	2.324	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	25583	1.931	ug/l	96
88) Hexachlorobutadiene	14.016	225	16978	1.993	ug/l	97
89) Naphthalene	14.084	128	43279	2.113	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	22318	2.004	ug/l	100

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

