

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020524\
 Data File : VU057806.D
 Acq On : 05 Feb 2024 13:59
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Feb 06 01:02:56 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	6.103	96	44152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	16159	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	14201	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	151676m	10.328	ug/l	
3) Chloromethane	1.521	50	143125	10.103	ug/l	99
4) Vinyl Chloride	1.602	62	151820	10.542	ug/l	100
5) Bromomethane	1.856	94	74726	8.865	ug/l	96
6) Chloroethane	1.923	64	90756	10.013	ug/l	96
7) Trichlorofluoromethane	2.116	101	180739	8.564	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.560	101	114350	10.132	ug/l	97
9) 1,1-Dichloroethene	2.560	96	109002	10.022	ug/l	96
10) Iodomethane	2.701	142	166964	12.616	ug/l	94
11) Allyl Chloride	2.904	41	168889	11.228	ug/l	91
12) Acrylonitrile	3.309	53	49012	25.473	ug/l	96
13) Acetone	2.631	43	179931	53.758	ug/l	93
14) Carbon Disulfide	2.772	76	353978	10.143	ug/l	100
15) Methylene Chloride	3.026	84	126266	9.662	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	121978	10.274	ug/l	97
17) 1,1-Dichloroethane	3.849	63	241292	10.641	ug/l	98
18) 2-Butanone	4.711	43	209502	57.209	ug/l	98
19) Cyclohexane	5.367	56	191656	10.745	ug/l	94
20) Methylcyclohexane	6.750	83	225013	10.557	ug/l	97
21) 2,2-Dichloropropane	4.647	77	212280	10.618	ug/l	97
22) cis-1,2-Dichloroethene	4.650	96	128815	9.939	ug/l	88
23) Diethyl Ether	2.364	59	85995	10.813	ug/l	98
24) tert-Butyl Alcohol	3.232	59	41167	50.563	ug/l	# 1
25) Methyl tert-Butyl Ether	3.357	73	280764	10.864	ug/l	95
26) Bromochloromethane	4.959	128	51143	9.824	ug/l	89
27) Chloroform	5.078	83	240411	10.280	ug/l	98
28) 1,1,1-Trichloroethane	5.299	97	215237	10.233	ug/l	99
29) 1,1-Dichloropropene	5.512	75	178529	10.443	ug/l	98
30) Carbon Tetrachloride	5.508	117	189520	10.428	ug/l	98
31) Isopropyl Ether	3.988	45	377652	11.271	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	362944	11.668	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	308788	11.775	ug/l	98
34) Propionitrile	4.785	54	42711	56.464	ug/l	# 11
35) Benzene	5.759	78	515099	10.446	ug/l	99
36) 1,2-Dichloroethane	5.785	62	150725	10.468	ug/l	97
37) Trichloroethene	6.531	130	132438	10.166	ug/l	99
38) 1,2-Dichloropropane	6.785	63	137185	10.670	ug/l	99
39) Methacrylonitrile	4.971	41	38441	12.415	ug/l	95
40) Methyl acrylate	4.843	55	65562	14.163	ug/l	98
41) Tetrahydrofuran	5.061	42	37034	22.752	ug/l	100
42) 1-Chlorobutane	5.444	56	241053	10.674	ug/l	98
43) Dibromomethane	6.910	93	62343	10.593	ug/l	97
44) Bromodichloromethane	7.100	83	173372	10.530	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	282747	46.843	ug/l	99
46) t-1,4-Dichloro-2-butene	10.846	75	31609m	18.585	ug/l	
47) Methyl methacrylate	6.962	69	119019	22.741	ug/l	94
48) Ethyl methacrylate	8.331	69	117774	11.313	ug/l	96
49) Toluene	7.962	92	317259	10.541	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	162324	11.356	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	194851	10.812	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	87744	10.782	ug/l	99
53) 1,3-Dichloropropane	8.569	76	157100	10.709	ug/l	99
54) 2-Hexanone	8.685	43	176850	30.973	ug/l	98
55) Dibromochloromethane	8.804	129	106882	10.669	ug/l	100
56) 1,2-Dibromoethane	8.917	107	81694	10.937	ug/l	97
58) Tetrachloroethene	8.547	164	114678	9.980	ug/l	94
59) Chlorobenzene	9.441	112	347116	10.488	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	120730	10.709	ug/l	98
61) Pentachloroethane	11.425	117	90402	11.157	ug/l	92
62) Hexachloroethane	12.473	117	107805	12.044	ug/l	95
63) Ethyl Benzene	9.563	91	628121	10.662	ug/l	100
64) m/p-Xylenes	9.688	106	465743	21.788	ug/l	97
65) o-Xylene	10.093	106	229850	10.867	ug/l	95
66) Styrene	10.110	104	364573	11.529	ug/l	96
67) Bromoform	10.286	173	55285	10.844	ug/l	99
69) Isopropylbenzene	10.479	105	608833	10.989	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.782	83	105351	10.461	ug/l	99
71) 1,2,3-Trichloropropane	10.836	75	95729m	11.599	ug/l	
72) Bromobenzene	10.778	156	128128	10.580	ug/l	95
73) n-propylbenzene	10.900	120	161730	11.564	ug/l	97
74) 2-Chlorotoluene	10.981	126	139140	10.825	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	525406	11.017	ug/l	98
76) 4-Chlorotoluene	11.093	126	142251	10.981	ug/l	94
77) tert-Butylbenzene	11.415	119	503195	11.227	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	533448	11.034	ug/l	99
79) sec-Butylbenzene	11.640	105	662722	11.469	ug/l	100
80) Nitrobenzene	13.206	77	15566	74.299	ug/l #	94
81) p-Isopropyltoluene	11.788	119	548524	11.359	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	256756	10.464	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	255935	10.646	ug/l	96
84) n-Butylbenzene	12.206	91	516288	11.256	ug/l	98
85) 1,2-Dichlorobenzene	12.212	146	239890	10.704	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	17104	12.170	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	147599	11.086	ug/l	98
88) Hexachlorobutadiene	14.016	225	89487	10.451	ug/l	100
89) Naphthalene	14.084	128	254764	12.374	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	124874	11.159	ug/l	99

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

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