

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053467.D
 Acq On : 29 Mar 2023 15:49
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 10:29:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 09:48:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	50589	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	19391	1.062	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	19498	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	196207	10.729	ug/l	99
3) Chloromethane	1.517	50	186687	10.020	ug/l	99
4) Vinyl Chloride	1.601	62	210172	10.676	ug/l	99
5) Bromomethane	1.858	94	149647	10.474	ug/l	98
6) Chloroethane	1.932	64	124001	9.854	ug/l	96
7) Trichlorofluoromethane	2.138	101	301768	10.237	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	147100	10.068	ug/l	97
9) 1,1-Dichloroethene	2.578	96	134980	10.098	ug/l	91
10) Iodomethane	2.720	142	163457	10.044	ug/l	99
11) Allyl Chloride	2.922	41	165175	10.948	ug/l	93
12) Acrylonitrile	3.318	53	54812	21.812	ug/l	98
13) Acetone	2.642	43	249417	48.980	ug/l	98
14) Carbon Disulfide	2.790	76	432538	10.556	ug/l	99
15) Methylene Chloride	3.041	84	181491	10.017	ug/l	93
16) trans-1,2-Dichloroethene	3.350	96	146616	10.618	ug/l	94
17) 1,1-Dichloroethane	3.864	63	274135	10.877	ug/l	100
18) 2-Butanone	4.703	43	282386	54.488	ug/l	99
19) Cyclohexane	5.385	56	223564	10.773	ug/l	84
20) Methylcyclohexane	6.758	83	287752	11.099	ug/l	93
21) 2,2-Dichloropropane	4.662	77	239539	11.102	ug/l	98
22) cis-1,2-Dichloroethene	4.662	96	164669	10.972	ug/l	98
23) Diethyl Ether	2.376	59	109663	10.338	ug/l	92
24) tert-Butyl Alcohol	3.237	59	105007m	104.592	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	323563	10.922	ug/l	97
26) Bromochloromethane	4.970	128	65429	10.821	ug/l	97
27) Chloroform	5.083	83	282108	10.783	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	249726	11.071	ug/l	99
29) 1,1-Dichloropropene	5.523	75	214553	10.992	ug/l	98
30) Carbon Tetrachloride	5.520	117	205518	11.448	ug/l	99
31) Isopropyl Ether	3.986	45	380607	10.977	ug/l	95
32) Ethyl-t-butyl ether	4.498	59	391101	10.981	ug/l	97
33) Tert-Amyl methyl ether	5.935	73	351806	11.109	ug/l	98
34) Propionitrile	4.790	54	54248	54.931	ug/l	# 12
35) Benzene	5.771	78	624483	10.937	ug/l	100
36) 1,2-Dichloroethane	5.790	62	173637	10.587	ug/l	99
37) Trichloroethene	6.536	130	161470	11.245	ug/l	98
38) 1,2-Dichloropropane	6.787	63	160899	10.998	ug/l	97
39) Methacrylonitrile	4.970	41	38226	10.721	ug/l	93
40) Methyl acrylate	4.842	55	64127	10.309	ug/l	# 95
41) Tetrahydrofuran	5.060	42	41834	22.495	ug/l	92
42) 1-Chlorobutane	5.453	56	281778	10.854	ug/l	94
43) Dibromomethane	6.916	93	77765	11.157	ug/l	93
44) Bromodichloromethane	7.102	83	198988	11.417	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	403356	55.791	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	95611m	24.365	ug/l	
47) Methyl methacrylate	6.957	69	140400	21.909	ug/l	94
48) Ethyl methacrylate	8.330	69	142601	11.474	ug/l	90
49) Toluene	7.967	92	390292	11.153	ug/l	99
50) t-1,3-Dichloropropene	8.205	75	190103	11.776	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	230981	11.553	ug/l	98
52) 1,1,2-Trichloroethane	8.395	97	110426	10.926	ug/l	99
53) 1,3-Dichloropropane	8.571	76	193006	11.071	ug/l	100
54) 2-Hexanone	8.681	43	413293	54.486	ug/l	94
55) Dibromochloromethane	8.806	129	122086	11.867	ug/l	98
56) 1,2-Dibromoethane	8.919	107	104384	11.210	ug/l	98
58) Tetrachloroethene	8.549	164	154923	11.537	ug/l	95
59) Chlorobenzene	9.443	112	432041	11.214	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	136785	11.681	ug/l	97
61) Pentachloroethane	11.423	117	88497	10.756	ug/l	100
62) Hexachloroethane	12.472	117	118683	10.297	ug/l	83
63) Ethyl Benzene	9.568	91	771765	11.422	ug/l	97
64) m/p-Xylenes	9.690	106	598881	23.182	ug/l	98
65) o-Xylene	10.099	106	289779	11.462	ug/l	99
66) Styrene	10.112	104	468598	12.056	ug/l	99
67) Bromoform	10.288	173	59091	10.288	ug/l	97
69) Isopropylbenzene	10.481	105	766930	11.585	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.777	83	135039	11.100	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	85572m	8.833	ug/l	
72) Bromobenzene	10.777	156	156657	11.296	ug/l	98
73) n-propylbenzene	10.903	120	208611	11.928	ug/l	99
74) 2-Chlorotoluene	10.983	126	172743	11.425	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	651893	11.727	ug/l	100
76) 4-Chlorotoluene	11.095	126	179133	11.410	ug/l	96
77) tert-Butylbenzene	11.417	119	593624	11.521	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	667912	11.798	ug/l	99
79) sec-Butylbenzene	11.639	105	876828	11.815	ug/l	100
80) Nitrobenzene	13.201	77	19619	64.185	ug/l	90
81) p-Isopropyltoluene	11.790	119	699145	11.993	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	338011	11.436	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	337348	11.279	ug/l	99
84) n-Butylbenzene	12.205	91	705473	12.249	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	315793	11.275	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	21054	11.395	ug/l	99
87) 1,2,4-Trichlorobenzene	13.838	180	194881	11.929	ug/l	98
88) Hexachlorobutadiene	14.018	225	92203	11.801	ug/l	97
89) Naphthalene	14.082	128	392957	11.956	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	171150	12.160	ug/l	97

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

