

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053776.D
 Acq On : 19 Apr 2023 11:22
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 20 08:07:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:05:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	31865	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12359	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	14939	1.233	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	17444	1.569	ug/l	100
3) Chloromethane	1.520	50	16236	1.454	ug/l	99
4) Vinyl Chloride	1.604	62	18342	1.540	ug/l	100
5) Bromomethane	1.848	94	14040	1.397	ug/l	99
6) Chloroethane	1.928	64	11339	1.472	ug/l	97
7) Trichlorofluoromethane	2.134	101	30143	1.651	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	19496	2.038	ug/l	94
9) 1,1-Dichloroethene	2.578	96	15773	1.852	ug/l	86
10) Iodomethane	2.719	142	14579	1.674	ug/l	97
11) Allyl Chloride	2.919	41	19149	2.008	ug/l	97
12) Acrylonitrile	3.308	53	8231	4.774	ug/l	93
13) Acetone	2.620	43	31537	9.564	ug/l	97
14) Carbon Disulfide	2.790	76	25354	1.067	ug/l	97
15) Methylene Chloride	3.041	84	23330	1.165	ug/l	89
16) trans-1,2-Dichloroethene	3.346	96	17619	2.001	ug/l	83
17) 1,1-Dichloroethane	3.864	63	37189	2.273	ug/l	98
18) 2-Butanone	4.713	43	38280	11.175	ug/l	99
19) Cyclohexane	5.375	56	25246m	1.964	ug/l	
20) Methylcyclohexane	6.755	83	22234	1.431	ug/l	94
21) 2,2-Dichloropropane	4.661	77	32781	2.313	ug/l	98
22) cis-1,2-Dichloroethene	4.661	96	22285	2.290	ug/l	94
23) Diethyl Ether	2.375	59	11991	1.795	ug/l	88
24) tert-Butyl Alcohol	3.179	59	15336	23.020	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	46460	2.380	ug/l	96
26) Bromochloromethane	4.964	128	9757	2.426	ug/l	90
27) Chloroform	5.083	83	40163	2.341	ug/l	96
28) 1,1,1-Trichloroethane	5.308	97	32814	2.235	ug/l	97
29) 1,1-Dichloropropene	5.517	75	20549	1.715	ug/l	99
30) Carbon Tetrachloride	5.517	117	22834	2.010	ug/l	98
31) Isopropyl Ether	3.996	45	53082	2.339	ug/l	91
32) Ethyl-t-butyl ether	4.504	59	53708	2.304	ug/l	94
33) Tert-Amyl methyl ether	5.947	73	38309	1.916	ug/l	99
34) Propionitrile	4.774	54	8311	14.451	ug/l #	18
35) Benzene	5.767	78	63189	1.781	ug/l	99
36) 1,2-Dichloroethane	5.793	62	20875	2.013	ug/l	97
37) Trichloroethene	6.536	130	18268	2.007	ug/l	90
38) 1,2-Dichloropropane	6.787	63	17951	1.938	ug/l #	87
39) Methacrylonitrile	4.976	41	6524m	2.735	ug/l	
40) Methyl acrylate	4.848	55	10541	2.421	ug/l #	97
41) Tetrahydrofuran	5.063	42	6623	5.437	ug/l	95
42) 1-Chlorobutane	5.449	56	28692	1.789	ug/l	93
43) Dibromomethane	6.915	93	9155	2.062	ug/l	95
44) Bromodichloromethane	7.105	83	22824	2.052	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	46099	9.934	ug/l	97
46) t-1,4-Dichloro-2-butene	10.835	75	7916m	3.156	ug/l	
47) Methyl methacrylate	6.967	69	15557	3.804	ug/l	92
48) Ethyl methacrylate	8.333	69	15156	1.918	ug/l	90
49) Toluene	7.967	92	38610	1.763	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	20259	1.973	ug/l	99
51) cis-1,3-Dichloropropene	7.603	75	24529	1.943	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	14604	2.220	ug/l	95
53) 1,3-Dichloropropane	8.574	76	23507	2.111	ug/l	99
54) 2-Hexanone	8.687	43	44623	9.129	ug/l	97
55) Dibromochloromethane	8.806	129	14935	2.216	ug/l	97
56) 1,2-Dibromoethane	8.918	107	12430	2.065	ug/l	97
58) Tetrachloroethene	8.549	164	17215	2.017	ug/l	96
59) Chlorobenzene	9.443	112	49652	2.015	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.533	131	17997	2.329	ug/l	96
61) Pentachloroethane	11.423	117	14354	2.562	ug/l	97
62) Hexachloroethane	12.471	117	12862	2.100	ug/l	98
63) Ethyl Benzene	9.568	91	74458	1.749	ug/l	95
64) m/p-Xylenes	9.690	106	60470	3.693	ug/l	92
65) o-Xylene	10.095	106	30573	1.896	ug/l	97
66) Styrene	10.111	104	46681	1.874	ug/l	97
67) Bromoform	10.285	173	7700	2.372	ug/l	99
69) Isopropylbenzene	10.481	105	80198	1.901	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	19021	2.372	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	13536m	2.222	ug/l	
72) Bromobenzene	10.780	156	21183	2.308	ug/l	87
73) n-propylbenzene	10.902	120	21991	1.944	ug/l	88
74) 2-Chlorotoluene	10.983	126	21177	2.146	ug/l	86
75) 1,3,5-Trimethylbenzene	11.086	105	68735	1.921	ug/l	98
76) 4-Chlorotoluene	11.092	126	20764	2.009	ug/l	91
77) tert-Butylbenzene	11.417	119	69952	2.072	ug/l	96
78) 1,2,4-Trimethylbenzene	11.465	105	68692	1.873	ug/l	97
79) sec-Butylbenzene	11.639	105	91257	1.903	ug/l	96
80) Nitrobenzene	13.211	77	2609	12.180	ug/l	95
81) p-Isopropyltoluene	11.790	119	73911	1.939	ug/l	97
82) 1,3-Dichlorobenzene	11.741	146	44120	2.249	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	43895	2.202	ug/l	98
84) n-Butylbenzene	12.204	91	66894	1.803	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	42877	2.275	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2171	1.774	ug/l #	74
87) 1,2,4-Trichlorobenzene	13.838	180	25983	2.317	ug/l	98
88) Hexachlorobutadiene	14.018	225	14537	2.609	ug/l	99
89) Naphthalene	14.085	128	44750	2.010	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	24735	2.483	ug/l	96

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

