

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
 Data File : VU052774.D
 Acq On : 23 Jan 2023 12:55
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/24/2023

Quant Time: Jan 24 04:35:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 04:32:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	42198	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14610	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	14677	0.820	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	72993	4.874	ug/l	99
3) Chloromethane	1.520	50	66426	4.076	ug/l	98
4) Vinyl Chloride	1.604	62	67280	4.591	ug/l	99
5) Bromomethane	1.858	94	33641	3.736	ug/l	94
6) Chloroethane	1.935	64	39642	4.397	ug/l	96
7) Trichlorofluoromethane	2.141	101	97609	4.929	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	52399	4.630	ug/l	99
9) 1,1-Dichloroethene	2.581	96	49927	4.456	ug/l	98
10) Iodomethane	2.723	142	58084	6.837	ug/l	99
11) Allyl Chloride	2.922	41	60393	3.992	ug/l	98
12) Acrylonitrile	3.314	53	21687	7.805	ug/l	99
13) Acetone	2.639	43	80464	33.608	ug/l	97
14) Carbon Disulfide	2.794	76	165456	4.624	ug/l	99
15) Methylene Chloride	3.044	84	55719	3.136	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	55879	4.537	ug/l	96
17) 1,1-Dichloroethane	3.868	63	93319	4.608	ug/l	99
18) 2-Butanone	4.720	43	92931	30.110	ug/l	99
19) Cyclohexane	5.382	56	82268m	5.311	ug/l	
20) Methylcyclohexane	6.758	83	93752	5.356	ug/l	98
21) 2,2-Dichloropropane	4.662	77	85678	5.093	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	57204	4.542	ug/l	98
23) Diethyl Ether	2.376	59	34349	4.128	ug/l	96
24) tert-Butyl Alcohol	3.253	59	44484m	49.188	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	115593	4.193	ug/l	99
26) Bromochloromethane	4.970	128	26161	4.206	ug/l	97
27) Chloroform	5.086	83	98679	4.588	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	93136	5.049	ug/l	98
29) 1,1-Dichloropropene	5.520	75	78070	5.031	ug/l	98
30) Carbon Tetrachloride	5.520	117	84410	5.206	ug/l	99
31) Isopropyl Ether	3.993	45	133661	4.774	ug/l	100
32) Ethyl-t-butyl ether	4.504	59	127186	4.701	ug/l	100
33) Tert-Amyl methyl ether	5.945	73	112502	4.618	ug/l	100
34) Propionitrile	4.794	54	20898	21.994	ug/l #	8
35) Benzene	5.771	78	228953	4.934	ug/l	100
36) 1,2-Dichloroethane	5.793	62	67896	4.959	ug/l	97
37) Trichloroethene	6.539	130	62162	4.651	ug/l	99
38) 1,2-Dichloropropane	6.790	63	60204	5.103	ug/l	99
39) Methacrylonitrile	4.980	41	16476	4.835	ug/l	98
40) Methyl acrylate	4.848	55	26738	4.724	ug/l	96
41) Tetrahydrofuran	5.067	42	16318	8.591	ug/l	92
42) 1-Chlorobutane	5.453	56	98833	4.964	ug/l	99
43) Dibromomethane	6.919	93	29422	4.430	ug/l	99
44) Bromodichloromethane	7.102	83	80331	5.115	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	161620	23.557	ug/l	99
46) t-1,4-Dichloro-2-butene	10.825	75	35748m	10.946	ug/l	
47) Methyl methacrylate	6.964	69	54505	10.032	ug/l	97
48) Ethyl methacrylate	8.334	69	50577	5.065	ug/l	100
49) Toluene	7.967	92	145493	5.173	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	70739	5.089	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	82342	5.144	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	42605	4.521	ug/l	97
53) 1,3-Dichloropropane	8.575	76	72736	4.661	ug/l	97
54) 2-Hexanone	8.687	43	149936	29.462	ug/l	99
55) Dibromochloromethane	8.809	129	55272	4.869	ug/l	100
56) 1,2-Dibromoethane	8.922	107	39967	4.458	ug/l	99
58) Tetrachloroethene	8.549	164	56460	4.719	ug/l	99
59) Chlorobenzene	9.443	112	153351	4.666	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.533	131	59046	5.023	ug/l	98
61) Pentachloroethane	11.423	117	48257	4.918	ug/l	100
62) Hexachloroethane	12.472	117	49525	5.438	ug/l	99
63) Ethyl Benzene	9.568	91	257296	5.042	ug/l	100
64) m/p-Xylenes	9.690	106	213526	10.489	ug/l	99
65) o-Xylene	10.099	106	98323	5.049	ug/l	96
66) Styrene	10.112	104	165146	5.070	ug/l	100
67) Bromoform	10.288	173	32551	4.590	ug/l	99
69) Isopropylbenzene	10.481	105	256171	5.056	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	54249	4.479	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	46368m	4.867	ug/l	
72) Bromobenzene	10.780	156	61607	4.150	ug/l	98
73) n-propylbenzene	10.903	120	73484	5.106	ug/l	98
74) 2-Chlorotoluene	10.983	126	64709	4.774	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	222426	5.161	ug/l	98
76) 4-Chlorotoluene	11.092	126	66620	4.671	ug/l	100
77) tert-Butylbenzene	11.417	119	220851	5.052	ug/l	100
78) 1,2,4-Trimethylbenzene	11.465	105	227369	5.157	ug/l	100
79) sec-Butylbenzene	11.642	105	290040	5.078	ug/l	99
80) Nitrobenzene	13.202	77	15108	30.376	ug/l	94
81) p-Isopropyltoluene	11.790	119	249569	5.219	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	130260	4.345	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	131309	4.366	ug/l	98
84) n-Butylbenzene	12.205	91	210446	4.672	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	120849	4.248	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	9786	4.989	ug/l	96
87) 1,2,4-Trichlorobenzene	13.835	180	71475	3.550	ug/l	99
88) Hexachlorobutadiene	14.018	225	49853	4.110	ug/l	99
89) Naphthalene	14.083	128	126700	4.004	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	69007	3.684	ug/l	97

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

