

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053787.D
 Acq On : 19 Apr 2023 17:41
 Operator : JC/MD
 Sample : 02213-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2023

Quant Time: Apr 21 09:36:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.108	96	28751	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10344	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12027	0.897	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4155	0.477	ug/l	97
3) Chloromethane	1.520	50	4712	0.600	ug/l	98
4) Vinyl Chloride	1.601	62	4543	0.501	ug/l	99
5) Bromomethane	1.848	94	4216	0.617	ug/l	95
6) Chloroethane	1.929	64	3118	0.537	ug/l	97
7) Trichlorofluoromethane	2.134	101	7711	0.506	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	5395	0.544	ug/l	96
9) 1,1-Dichloroethene	2.578	96	4548	0.560	ug/l	78
10) Iodomethane	2.720	142	4297	0.486	ug/l	96
11) Allyl Chloride	2.916	41	4547	0.471	ug/l	88
12) Acrylonitrile	3.311	53	2241	1.104	ug/l	# 90
13) Acetone	2.623	43	6922	2.440	ug/l	# 87
14) Carbon Disulfide	2.787	76	6839	0.513	ug/l	100
15) Methylene Chloride	3.041	84	7670	0.644	ug/l	89
16) trans-1,2-Dichloroethene	3.346	96	4771	0.543	ug/l	# 81
17) 1,1-Dichloroethane	3.861	63	9621	0.531	ug/l	99
18) 2-Butanone	4.713	43	9188	2.498	ug/l	98
19) Cyclohexane	5.375	56	6346m	0.506	ug/l	
20) Methylcyclohexane	6.752	83	5289	0.470	ug/l	94
21) 2,2-Dichloropropane	4.658	77	8676	0.527	ug/l	94
22) cis-1,2-Dichloroethene	4.658	96	5924	0.539	ug/l	# 80
23) Diethyl Ether	2.375	59	3013	0.503	ug/l	89
24) tert-Butyl Alcohol	3.183	59	4212	5.165	ug/l	# 1
25) Methyl tert-Butyl Ether	3.366	73	12445	0.549	ug/l	98
26) Bromochloromethane	4.967	128	2551	0.525	ug/l	86
27) Chloroform	5.083	83	10609	0.542	ug/l	93
28) 1,1,1-Trichloroethane	5.305	97	8481	0.523	ug/l	99
29) 1,1-Dichloropropene	5.517	75	5009	0.485	ug/l	95
30) Carbon Tetrachloride	5.510	117	5763	0.497	ug/l	91
31) Isopropyl Ether	3.999	45	13805	0.527	ug/l	98
32) Ethyl-t-butyl ether	4.514	59	13516	0.510	ug/l	95
33) Tert-Amyl methyl ether	5.948	73	9620	0.497	ug/l	98
34) Propionitrile	4.781	54	2358	2.867	ug/l	# 1
35) Benzene	5.764	78	15990	0.503	ug/l	92
36) 1,2-Dichloroethane	5.790	62	4802	0.481	ug/l	# 94
37) Trichloroethene	6.539	130	4438	0.492	ug/l	89
38) 1,2-Dichloropropane	6.790	63	4619	0.510	ug/l	99
39) Methacrylonitrile	4.980	41	1598	0.487	ug/l	# 71
40) Methyl acrylate	4.851	55	2833	0.523	ug/l	# 97
41) Tetrahydrofuran	5.060	42	1657	1.019	ug/l	92
42) 1-Chlorobutane	5.449	56	7467	0.530	ug/l	93
43) Dibromomethane	6.919	93	2276	0.496	ug/l	86
44) Bromodichloromethane	7.105	83	5308	0.459	ug/l	# 91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	11715	2.510	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	1776m	0.916	ug/l	
47) Methyl methacrylate	6.964	69	3597	0.892	ug/l	97
48) Ethyl methacrylate	8.337	69	3386	0.429	ug/l	93
49) Toluene	7.967	92	9542	0.476	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	4612	0.444	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	5799	0.467	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	3545	0.487	ug/l	90
53) 1,3-Dichloropropane	8.571	76	5816	0.510	ug/l	96
54) 2-Hexanone	8.690	43	9566	2.185	ug/l	96
55) Dibromochloromethane	8.809	129	3629	0.474	ug/l	92
56) 1,2-Dibromoethane	8.922	107	3265	0.520	ug/l	99
58) Tetrachloroethene	8.552	164	4072	0.467	ug/l	96
59) Chlorobenzene	9.446	112	11634	0.467	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.530	131	4052	0.451	ug/l	94
61) Pentachloroethane	11.420	117	3063	0.442	ug/l	96
62) Hexachloroethane	12.468	117	2667	0.394	ug/l	95
63) Ethyl Benzene	9.565	91	17935	0.456	ug/l	98
64) m/p-Xylenes	9.690	106	13868	0.894	ug/l	93
65) o-Xylene	10.099	106	6782	0.434	ug/l	95
66) Styrene	10.111	104	10529	0.424	ug/l	97
67) Bromoform	10.288	173	1872	0.470	ug/l #	98
69) Isopropylbenzene	10.481	105	18208	0.446	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	4878	0.520	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	3652m	0.540	ug/l	
72) Bromobenzene	10.780	156	4842	0.462	ug/l	96
73) n-propylbenzene	10.902	120	4959	0.437	ug/l	95
74) 2-Chlorotoluene	10.983	126	4686	0.437	ug/l	94
75) 1,3,5-Trimethylbenzene	11.083	105	14579	0.409	ug/l	97
76) 4-Chlorotoluene	11.095	126	5008	0.459	ug/l	77
77) tert-Butylbenzene	11.417	119	14603	0.407	ug/l	93
78) 1,2,4-Trimethylbenzene	11.465	105	14772	0.406	ug/l	94
79) sec-Butylbenzene	11.639	105	19867	0.412	ug/l	96
80) Nitrobenzene	13.221	77	551	1.855	ug/l #	81
81) p-Isopropyltoluene	11.790	119	15598	0.395	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	10567	0.472	ug/l	95
83) 1,4-Dichlorobenzene	11.835	146	10828	0.485	ug/l	100
84) n-Butylbenzene	12.205	91	16114	0.670	ug/l	95
85) 1,2-Dichlorobenzene	12.208	146	10244	0.468	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	553	0.419	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.838	180	6710	0.463	ug/l	97
88) Hexachlorobutadiene	14.018	225	3651	0.473	ug/l	98
89) Naphthalene	14.086	128	13272	0.523	ug/l	96
90) 1,2,3-Trichlorobenzene	14.330	180	6452	0.469	ug/l	94

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

