

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053825.D
 Acq On : 21 Apr 2023 14:58
 Operator : JC/MD
 Sample : 02213-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 22 03:19:31 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 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

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

Internal Standards						
1) Fluorobenzene	6.112	96	32247	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	11532	0.912	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12872	0.856	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4523	0.463	ug/l	98
3) Chloromethane	1.520	50	3752	0.426	ug/l	93
4) Vinyl Chloride	1.604	62	4877	0.479	ug/l	94
5) Bromomethane	1.858	94	3608	0.471	ug/l	94
6) Chloroethane	1.932	64	3131	0.480	ug/l	97
7) Trichlorofluoromethane	2.138	101	7611	0.445	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	4666	0.419	ug/l #	86
9) 1,1-Dichloroethene	2.585	96	3501	0.384	ug/l	78
10) Iodomethane	2.720	142	3548	0.358	ug/l	95
11) Allyl Chloride	2.922	41	4239	0.392	ug/l	97
12) Acrylonitrile	3.337	53	1270	0.558	ug/l #	75
13) Acetone	2.642	43	4885	1.535	ug/l #	86
14) Carbon Disulfide	2.794	76	6324	0.423	ug/l #	94
15) Methylene Chloride	3.041	84	10634	0.797	ug/l	90
16) trans-1,2-Dichloroethene	3.353	96	3807	0.386	ug/l	92
17) 1,1-Dichloroethane	3.867	63	7396	0.364	ug/l #	92
18) 2-Butanone	4.729	43	5249	1.272	ug/l	74
19) Cyclohexane	5.385	56	4550m	0.324	ug/l	
20) Methylcyclohexane	6.761	83	5659	0.449	ug/l	90
21) 2,2-Dichloropropane	4.662	77	6755	0.366	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	4750	0.385	ug/l	93
23) Diethyl Ether	2.379	59	3167	0.471	ug/l	93
24) tert-Butyl Alcohol	3.250	59	3731m	4.079	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	8943	0.352	ug/l #	86
26) Bromochloromethane	4.967	128	2031	0.372	ug/l	92
27) Chloroform	5.089	83	8946	0.408	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	7604	0.418	ug/l	91
29) 1,1-Dichloropropene	5.527	75	5247	0.453	ug/l	94
30) Carbon Tetrachloride	5.523	117	5813	0.447	ug/l #	90
31) Isopropyl Ether	3.993	45	10154	0.346	ug/l	96
32) Ethyl-t-butyl ether	4.498	59	10507	0.353	ug/l	100
33) Tert-Amyl methyl ether	5.938	73	9152	0.421	ug/l	95
34) Propionitrile	4.803	54	1157m	1.254	ug/l	
35) Benzene	5.774	78	17735	0.497	ug/l	94
36) 1,2-Dichloroethane	5.793	62	4847	0.433	ug/l #	92
37) Trichloroethene	6.543	130	4915	0.485	ug/l	87
38) 1,2-Dichloropropane	6.787	63	4979	0.491	ug/l	100
39) Methacrylonitrile	4.999	41	1218m	0.331	ug/l	
40) Methyl acrylate	4.877	55	1618m	0.266	ug/l	
41) Tetrahydrofuran	5.067	42	1025m	0.562	ug/l	
42) 1-Chlorobutane	5.456	56	6486	0.410	ug/l	94
43) Dibromomethane	6.916	93	2028	0.394	ug/l #	83
44) Bromodichloromethane	7.105	83	5591	0.431	ug/l	92

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45) 4-Methyl-2-Pentanone	7.790	43	10391	1.985	ug/l	95
46) t-1,4-Dichloro-2-butene	10.835	75	1655m	0.761	ug/l	
47) Methyl methacrylate	6.964	69	3700	0.818	ug/l	93
48) Ethyl methacrylate	8.337	69	3656	0.413	ug/l	93
49) Toluene	7.970	92	9997	0.445	ug/l	96
50) t-1,3-Dichloropropene	8.208	75	5091	0.437	ug/l #	84
51) cis-1,3-Dichloropropene	7.607	75	6274	0.451	ug/l	93
52) 1,1,2-Trichloroethane	8.398	97	3925	0.481	ug/l #	85
53) 1,3-Dichloropropane	8.571	76	5542	0.433	ug/l #	42
54) 2-Hexanone	8.687	43	9404	1.915	ug/l	99
55) Dibromochloromethane	8.806	129	3364	0.392	ug/l	87
56) 1,2-Dibromoethane	8.925	107	3388	0.481	ug/l	90
58) Tetrachloroethene	8.549	164	4827	0.493	ug/l	92
59) Chlorobenzene	9.446	112	13765	0.492	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	4326	0.429	ug/l	99
61) Pentachloroethane	11.423	117	3553	0.457	ug/l	95
62) Hexachloroethane	12.472	117	2994	0.395	ug/l	98
63) Ethyl Benzene	9.568	91	19530	0.442	ug/l	98
64) m/p-Xylenes	9.694	106	14859	0.854	ug/l	95
65) o-Xylene	10.096	106	7913	0.451	ug/l	96
66) Styrene	10.112	104	11912	0.427	ug/l	99
67) Bromoform	10.285	173	1998	0.448	ug/l #	95
69) Isopropylbenzene	10.481	105	20366	0.444	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	4523	0.430	ug/l	99
71) 1,2,3-Trichloropropane	10.816	75	3104m	0.409	ug/l	
72) Bromobenzene	10.780	156	5355	0.456	ug/l	89
73) n-propylbenzene	10.903	120	5597	0.440	ug/l	99
74) 2-Chlorotoluene	10.980	126	4785	0.398	ug/l	90
75) 1,3,5-Trimethylbenzene	11.086	105	16389	0.410	ug/l	99
76) 4-Chlorotoluene	11.095	126	5524	0.451	ug/l	89
77) tert-Butylbenzene	11.414	119	17169	0.427	ug/l	94
78) 1,2,4-Trimethylbenzene	11.465	105	17057	0.418	ug/l	100
79) sec-Butylbenzene	11.639	105	22784	0.421	ug/l	96
80) Nitrobenzene	13.202	77	83	0.249	ug/l #	88
81) p-Isopropyltoluene	11.790	119	18299	0.413	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	12146	0.483	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	11978	0.478	ug/l	95
84) n-Butylbenzene	12.205	91	19216	0.696	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	11667	0.475	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.989	75	567	0.383	ug/l	91
87) 1,2,4-Trichlorobenzene	13.838	180	9105	0.561	ug/l	96
88) Hexachlorobutadiene	14.015	225	4402	0.508	ug/l	94
89) Naphthalene	14.086	128	16528	0.581	ug/l	97
90) 1,2,3-Trichlorobenzene	14.327	180	8011	0.519	ug/l	96

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

