

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053463.D
 Acq On : 29 Mar 2023 13:53
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Mar 30 10:55:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 10:55:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	43952	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	15146	0.954	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	14306	0.898	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	7843	0.494	ug/l	95
3) Chloromethane	1.514	50	9046	0.559	ug/l	97
4) Vinyl Chloride	1.597	62	9300	0.544	ug/l #	81
5) Bromomethane	1.851	94	10446	0.508	ug/l	97
6) Chloroethane	1.925	64	5840	0.534	ug/l	100
7) Trichlorofluoromethane	2.128	101	13425	0.524	ug/l	88
8) 1,1,2-Trichloro-1,2,2-...	2.568	101	7826	0.616	ug/l	90
9) 1,1-Dichloroethene	2.568	96	7713	0.664	ug/l	79
10) Iodomethane	2.710	142	5248	0.960	ug/l	94
11) Allyl Chloride	2.909	41	6212	0.474	ug/l	87
12) Acrylonitrile	3.327	53	2290m	1.049	ug/l	
13) Acetone	2.636	43	14151	3.199	ug/l	93
14) Carbon Disulfide	2.777	76	21287	0.598	ug/l	97
15) Methylene Chloride	3.034	84	27858	0.408	ug/l	95
16) trans-1,2-Dichloroethene	3.340	96	6079	0.507	ug/l	95
17) 1,1-Dichloroethane	3.858	63	10735	0.490	ug/l #	94
18) 2-Butanone	4.726	43	10894	2.419	ug/l	94
19) Cyclohexane	5.378	56	8926	0.495	ug/l #	93
20) Methylcyclohexane	6.758	83	10402	0.462	ug/l	92
21) 2,2-Dichloropropane	4.655	77	8577	0.458	ug/l #	79
22) cis-1,2-Dichloroethene	4.658	96	6734	0.516	ug/l	98
23) Diethyl Ether	2.372	59	5259	0.571	ug/l	97
25) Methyl tert-Butyl Ether	3.369	73	12074	0.469	ug/l #	91
26) Bromochloromethane	4.967	128	2592	0.493	ug/l	93
27) Chloroform	5.083	83	10646	0.468	ug/l	98
28) 1,1,1-Trichloroethane	5.304	97	8864	0.452	ug/l	96
29) 1,1-Dichloropropene	5.523	75	8293	0.489	ug/l	99
30) Carbon Tetrachloride	5.510	117	6894	0.442	ug/l	87
31) Isopropyl Ether	3.989	45	14587	0.484	ug/l	99
32) Ethyl-t-butyl ether	4.504	59	14062	0.454	ug/l #	73
33) Tert-Amyl methyl ether	5.944	73	11888	0.432	ug/l	92
34) Propionitrile	4.800	54	1275m	2.563	ug/l	
35) Benzene	5.764	78	24041	0.485	ug/l	99
36) 1,2-Dichloroethane	5.790	62	7282	0.511	ug/l #	90
37) Trichloroethene	6.536	130	5756	0.461	ug/l	88
38) 1,2-Dichloropropane	6.790	63	5791	0.456	ug/l #	82
39) Methacrylonitrile	4.980	41	1422m	0.459	ug/l	
40) Methyl acrylate	4.874	55	2915m	0.539	ug/l	
41) Tetrahydrofuran	5.073	42	1469	0.909	ug/l #	79
42) 1-Chlorobutane	5.456	56	11295	0.501	ug/l	98
43) Dibromomethane	6.915	93	2649	0.437	ug/l	86
44) Bromodichloromethane	7.102	83	6684	0.441	ug/l #	92
45) 4-Methyl-2-Pentanone	7.793	43	13550	2.157	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.825	75	2861m	0.839	ug/l	
47) Methyl methacrylate	6.964	69	5230	0.939	ug/l	95
48) Ethyl methacrylate	8.333	69	4433	0.411	ug/l	91
49) Toluene	7.967	92	14230	0.468	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	5786	0.413	ug/l #	85
51) cis-1,3-Dichloropropene	7.607	75	7714	0.444	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	4253	0.484	ug/l #	90
53) 1,3-Dichloropropane	8.571	76	6979	0.461	ug/l	95
54) 2-Hexanone	8.687	43	15661	2.376	ug/l	97
55) Dibromochloromethane	8.809	129	3852	0.431	ug/l	99
56) 1,2-Dibromoethane	8.925	107	3637	0.450	ug/l	100
58) Tetrachloroethene	8.545	164	5192	0.445	ug/l #	91
59) Chlorobenzene	9.449	112	15300	0.457	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.533	131	4061	0.399	ug/l	91
61) Pentachloroethane	11.426	117	3409	0.477	ug/l	87
62) Hexachloroethane	12.471	117	3302	0.702	ug/l #	65
63) Ethyl Benzene	9.568	91	27429	0.467	ug/l	98
64) m/p-Xylenes	9.693	106	20403	0.909	ug/l	97
65) o-Xylene	10.098	106	9779	0.445	ug/l	91
66) Styrene	10.115	104	13694	0.406	ug/l #	91
67) Bromoform	10.291	173	1843	0.711	ug/l #	86
69) Isopropylbenzene	10.481	105	26213	0.456	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	4698	0.444	ug/l #	91
71) 1,2,3-Trichloropropane	10.819	75	3847m	0.457	ug/l	
72) Bromobenzene	10.780	156	5178	0.430	ug/l	77
73) n-propylbenzene	10.906	120	6391	0.421	ug/l	81
74) 2-Chlorotoluene	10.986	126	6261	0.477	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	20896	0.433	ug/l	95
76) 4-Chlorotoluene	11.095	126	5951	0.436	ug/l	95
77) tert-Butylbenzene	11.417	119	18887	0.422	ug/l	90
78) 1,2,4-Trimethylbenzene	11.468	105	21500	0.437	ug/l	97
79) sec-Butylbenzene	11.642	105	27876	0.432	ug/l	98
81) p-Isopropyltoluene	11.793	119	20870	0.412	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	11548	0.450	ug/l	92
83) 1,4-Dichlorobenzene	11.835	146	12594	0.485	ug/l	98
84) n-Butylbenzene	12.204	91	19739	0.394	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	11600	0.477	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.995	75	815	0.508	ug/l #	44
87) 1,2,4-Trichlorobenzene	13.841	180	6743	0.475	ug/l	98
88) Hexachlorobutadiene	14.018	225	2659	0.392	ug/l #	89
89) Naphthalene	14.089	128	13344	0.467	ug/l	96
90) 1,2,3-Trichlorobenzene	14.327	180	4891	0.400	ug/l #	86

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

