

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
 Data File : VU049631.D
 Acq On : 06 Jul 2022 10:14
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 06:17:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 06:16:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	59033	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	21348	1.008	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	19887	0.803	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	21142	0.988	ug/l	97
3) Chloromethane	1.523	50	22360	0.954	ug/l	96
4) Vinyl Chloride	1.604	62	20339	0.970	ug/l	93
5) Bromomethane	1.858	94	11271	0.889	ug/l	95
6) Chloroethane	1.935	64	11526	0.905	ug/l	95
7) Trichlorofluoromethane	2.141	101	23718	0.861	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	12504	0.797	ug/l	98
9) 1,1-Dichloroethene	2.581	96	12797	0.818	ug/l	89
10) Iodomethane	2.723	142	14995	1.233	ug/l	98
11) Allyl Chloride	2.925	41	22608	1.016	ug/l	96
12) Acrylonitrile	3.321	53	6210	1.576	ug/l #	85
13) Acetone	2.633	43	12988	4.168	ug/l	95
14) Carbon Disulfide	2.793	76	42648	0.856	ug/l	99
15) Methylene Chloride	3.044	84	17516	0.705	ug/l	98
16) trans-1,2-Dichloroethene	3.353	96	13584	0.796	ug/l	97
17) 1,1-Dichloroethane	3.867	63	28394	0.981	ug/l	99
18) 2-Butanone	4.726	43	20385	4.749	ug/l	99
19) Cyclohexane	5.385	56	25678m	1.132	ug/l	
20) Methylcyclohexane	6.761	83	26262	1.068	ug/l	99
21) 2,2-Dichloropropane	4.668	77	22620	0.954	ug/l	99
22) cis-1,2-Dichloroethene	4.668	96	17159	0.957	ug/l	99
23) Diethyl Ether	2.379	59	10911	0.922	ug/l	98
24) tert-Butyl Alcohol	3.205	59	13702	10.756	ug/l #	94
25) Methyl tert-Butyl Ether	3.369	73	35893	0.912	ug/l	97
26) Bromochloromethane	4.976	128	6348	0.728	ug/l	89
27) Chloroform	5.089	83	27191	0.898	ug/l	97
28) 1,1,1-Trichloroethane	5.317	97	24228	0.937	ug/l	98
29) 1,1-Dichloropropene	5.526	75	21280	0.972	ug/l	98
30) Carbon Tetrachloride	5.523	117	20208	0.901	ug/l	97
31) Isopropyl Ether	3.999	45	46842	1.128	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	45011	1.127	ug/l	98
33) Tert-Amyl methyl ether	5.947	73	39061	1.099	ug/l	98
34) Propionitrile	4.793	54	6151	4.500	ug/l #	96
35) Benzene	5.774	78	61856	0.948	ug/l	100
36) 1,2-Dichloroethane	5.796	62	17220	0.906	ug/l	99
37) Trichloroethene	6.542	130	15828	0.853	ug/l	97
38) 1,2-Dichloropropane	6.793	63	16305	0.979	ug/l	98
39) Methacrylonitrile	4.986	41	5152	1.032	ug/l	98
40) Methyl acrylate	4.864	55	8305m	1.026	ug/l	
41) Tetrahydrofuran	5.070	42	6204	2.205	ug/l	99
42) 1-Chlorobutane	5.459	56	30865	1.077	ug/l	98
43) Dibromomethane	6.922	93	7923	0.848	ug/l	97
44) Bromodichloromethane	7.108	83	19358	0.888	ug/l #	97

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45) 4-Methyl-2-Pentanone	7.796	43	50994	5.149	ug/l	98
46) t-1,4-Dichloro-2-butene	10.838	75	5694m	1.262	ug/l	
47) Methyl methacrylate	6.964	69	15599	2.024	ug/l	99
48) Ethyl methacrylate	8.336	69	15268	1.063	ug/l	98
49) Toluene	7.970	92	38506	0.979	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	17489	0.899	ug/l	91
51) cis-1,3-Dichloropropene	7.610	75	21355	0.947	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	10781	0.820	ug/l	97
53) 1,3-Dichloropropane	8.578	76	19908	0.912	ug/l	98
54) 2-Hexanone	8.690	43	35883	5.078	ug/l	97
55) Dibromochloromethane	8.812	129	12198	0.780	ug/l	99
56) 1,2-Dibromoethane	8.925	107	10240	0.816	ug/l	98
58) Tetrachloroethene	8.555	164	13273	0.808	ug/l	93
59) Chlorobenzene	9.449	112	39373	0.862	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	13685	0.843	ug/l	99
61) Pentachloroethane	11.430	117	10972	0.817	ug/l	93
62) Hexachloroethane	12.475	117	10951	0.884	ug/l	99
63) Ethyl Benzene	9.571	91	71374	0.995	ug/l	99
64) m/p-Xylenes	9.697	106	52571	1.868	ug/l	100
65) o-Xylene	10.102	106	25115	0.930	ug/l	98
66) Styrene	10.115	104	40358	0.893	ug/l	100
67) Bromoform	10.291	173	6902	0.707	ug/l	97
69) Isopropylbenzene	10.484	105	68437	0.965	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	14256	0.844	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	11332m	0.871	ug/l	
72) Bromobenzene	10.783	156	15637	0.758	ug/l	97
73) n-propylbenzene	10.906	120	17301	0.872	ug/l	98
74) 2-Chlorotoluene	10.986	126	15687	0.839	ug/l	97
75) 1,3,5-Trimethylbenzene	11.089	105	56952	0.950	ug/l	99
76) 4-Chlorotoluene	11.098	126	15442	0.791	ug/l	90
77) tert-Butylbenzene	11.420	119	56953	0.941	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	55938	0.913	ug/l	99
79) sec-Butylbenzene	11.645	105	73841	0.931	ug/l	99
80) Nitrobenzene	13.214	77	2684	4.144	ug/l #	97
81) p-Isopropyltoluene	11.793	119	59576	0.905	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	30323	0.734	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	31606	0.768	ug/l	96
84) n-Butylbenzene	12.208	91	54594	0.864	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	29623	0.759	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	2457	0.901	ug/l	89
87) 1,2,4-Trichlorobenzene	13.844	180	18809	0.666	ug/l	99
88) Hexachlorobutadiene	14.021	225	10398	0.631	ug/l	100
89) Naphthalene	14.089	128	39050	0.862	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	17759	0.678	ug/l	98

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

