

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070822\
 Data File : VU049657.D
 Acq On : 08 Jul 2022 14:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/11/2022
 Supervised By :Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 04:37:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	40344	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14346	0.971	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13986	1.028	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	158322	10.247	ug/l	99
3) Chloromethane	1.533	50	155618	9.847	ug/l	100
4) Vinyl Chloride	1.604	62	146368	10.158	ug/l	99
5) Bromomethane	1.858	94	70091	9.327	ug/l	100
6) Chloroethane	1.932	64	75168	9.315	ug/l	97
7) Trichlorofluoromethane	2.137	101	185760	10.757	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	92706	10.216	ug/l	98
9) 1,1-Dichloroethene	2.581	96	88179	9.640	ug/l	91
10) Iodomethane	2.723	142	118459	10.209	ug/l	93
11) Allyl Chloride	2.922	41	156024	10.002	ug/l	94
12) Acrylonitrile	3.324	53	50647	20.709	ug/l	99
13) Acetone	2.642	43	109145	64.595	ug/l	100
14) Carbon Disulfide	2.790	76	287339	9.540	ug/l	99
15) Methylene Chloride	3.044	84	110577	9.653	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	93133	9.695	ug/l	96
17) 1,1-Dichloroethane	3.867	63	196639	9.899	ug/l	98
18) 2-Butanone	4.723	43	173592	55.135	ug/l	100
19) Cyclohexane	5.385	56	171275m	9.022	ug/l	
20) Methylcyclohexane	6.761	83	172790	9.233	ug/l	99
21) 2,2-Dichloropropane	4.665	77	165498	10.181	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	114065	9.628	ug/l	97
23) Diethyl Ether	2.379	59	79874	10.250	ug/l	95
24) tert-Butyl Alcohol	3.231	59	109112	122.727	ug/l	# 86
25) Methyl tert-Butyl Ether	3.369	73	261219	10.212	ug/l	95
26) Bromochloromethane	4.973	128	51755	10.377	ug/l	99
27) Chloroform	5.089	83	200095	10.236	ug/l	95
28) 1,1,1-Trichloroethane	5.314	97	177641	10.305	ug/l	100
29) 1,1-Dichloropropene	5.526	75	148222	9.628	ug/l	99
30) Carbon Tetrachloride	5.523	117	150553	10.372	ug/l	98
31) Isopropyl Ether	4.002	45	326842	9.594	ug/l	95
32) Ethyl-t-butyl ether	4.510	59	310072	9.616	ug/l	100
33) Tert-Amyl methyl ether	5.948	73	271338	9.678	ug/l	98
34) Propionitrile	4.796	54	52911	56.098	ug/l	96
35) Benzene	5.774	78	432926	9.869	ug/l	100
36) 1,2-Dichloroethane	5.796	62	133766	10.724	ug/l	98
37) Trichloroethene	6.542	130	107723	9.716	ug/l	98
38) 1,2-Dichloropropane	6.793	63	116553	10.036	ug/l	98
39) Methacrylonitrile	4.980	41	40946	10.133	ug/l	97
40) Methyl acrylate	4.854	55	64761	10.233	ug/l	99
41) Tetrahydrofuran	5.070	42	43782	20.676	ug/l	99
42) 1-Chlorobutane	5.459	56	214314	9.927	ug/l	100
43) Dibromomethane	6.919	93	59430	10.270	ug/l	97
44) Bromodichloromethane	7.108	83	146898	10.591	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	416705	53.057	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	58133m	22.745	ug/l	
47) Methyl methacrylate	6.964	69	122268	20.954	ug/l	97
48) Ethyl methacrylate	8.337	69	119901	10.243	ug/l	99
49) Toluene	7.970	92	261069	9.745	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	141473	10.560	ug/l	97
51) cis-1,3-Dichloropropene	7.610	75	162675	10.246	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	83170	10.414	ug/l	98
53) 1,3-Dichloropropane	8.578	76	146239	10.202	ug/l	99
54) 2-Hexanone	8.687	43	296084	54.282	ug/l	99
55) Dibromochloromethane	8.812	129	98050	10.748	ug/l	99
56) 1,2-Dibromoethane	8.925	107	80336	10.388	ug/l	99
58) Tetrachloroethene	8.552	164	93050	10.094	ug/l	98
59) Chlorobenzene	9.446	112	273668	9.765	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	101610	10.193	ug/l	100
61) Pentachloroethane	11.430	117	80824	10.560	ug/l	100
62) Hexachloroethane	12.475	117	81247	10.598	ug/l	99
63) Ethyl Benzene	9.571	91	506236	10.036	ug/l	100
64) m/p-Xylenes	9.693	106	376636	20.185	ug/l	98
65) o-Xylene	10.102	106	181596	9.902	ug/l	99
66) Styrene	10.115	104	311148	10.560	ug/l	99
67) Bromoform	10.291	173	57300	11.007	ug/l	98
69) Isopropylbenzene	10.484	105	492875	10.062	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	107943	10.404	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	94274m	10.975	ug/l	
72) Bromobenzene	10.783	156	115060	10.424	ug/l	99
73) n-propylbenzene	10.906	120	130433	10.552	ug/l	100
74) 2-Chlorotoluene	10.986	126	112878	10.242	ug/l	99
75) 1,3,5-Trimethylbenzene	11.089	105	422823	10.326	ug/l	99
76) 4-Chlorotoluene	11.098	126	121621	11.003	ug/l	86
77) tert-Butylbenzene	11.420	119	404369	10.029	ug/l	99
78) 1,2,4-Trimethylbenzene	11.468	105	433292	10.540	ug/l	100
79) sec-Butylbenzene	11.645	105	542949	10.266	ug/l	100
80) Nitrobenzene	13.208	77	24118	56.822	ug/l #	94
81) p-Isopropyltoluene	11.793	119	450566	10.503	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	225203	10.547	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	223948	10.394	ug/l	100
84) n-Butylbenzene	12.208	91	442547	11.077	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	212032	10.250	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.996	75	21453	11.856	ug/l	90
87) 1,2,4-Trichlorobenzene	13.841	180	155828	11.167	ug/l	99
88) Hexachlorobutadiene	14.021	225	82549	11.607	ug/l	99
89) Naphthalene	14.086	128	328298	11.220	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	148498	11.144	ug/l	100

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

