

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050390.D
 Acq On : 20 Aug 2022 01:32
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/30/2022
 Supervised By :Mahesh Dadoda 09/09/2022

Quant Time: Aug 25 20:18:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	38556	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	14330	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16245	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	154122	9.651	ug/l	99
3) Chloromethane	1.520	50	175188	9.019	ug/l	99
4) Vinyl Chloride	1.604	62	165283	9.958	ug/l	98
5) Bromomethane	1.855	94	58334	8.589	ug/l	100
6) Chloroethane	1.932	64	97385	9.701	ug/l	100
7) Trichlorofluoromethane	2.138	101	205043	9.900	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	108980	9.408	ug/l	99
9) 1,1-Dichloroethene	2.584	96	112139	9.876	ug/l	99
10) Iodomethane	2.729	142	73204	7.818	ug/l	98
11) Allyl Chloride	2.935	41	162344	9.276	ug/l	96
12) Acrylonitrile	3.337	53	71142m	20.889	ug/l	
13) Acetone	2.639	43	125733m	52.786	ug/l	
14) Carbon Disulfide	2.800	76	326338	9.278	ug/l	99
15) Methylene Chloride	3.060	84	158042	10.287	ug/l	93
16) trans-1,2-Dichloroethene	3.363	96	117971	10.053	ug/l	97
17) 1,1-Dichloroethane	3.877	63	238412	9.754	ug/l	99
18) 2-Butanone	4.742	43	206619m	55.152	ug/l	
19) Cyclohexane	5.363	56	173549m	9.784	ug/l	
20) Methylcyclohexane	6.780	83	147722	10.565	ug/l	99
21) 2,2-Dichloropropane	4.662	77	115432	6.213	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	128992	9.715	ug/l	99
23) Diethyl Ether	2.379	59	97143	9.959	ug/l	97
24) tert-Butyl Alcohol	3.224	59	94440m	76.497	ug/l	
25) Methyl tert-Butyl Ether	3.388	73	297851	9.874	ug/l	94
26) Bromochloromethane	4.967	128	51196	9.610	ug/l	92
27) Chloroform	5.083	83	232083	9.797	ug/l	97
28) 1,1,1-Trichloroethane	5.301	97	199545	9.872	ug/l	99
29) 1,1-Dichloropropene	5.507	75	156556	9.669	ug/l	97
30) Carbon Tetrachloride	5.504	117	160969	9.949	ug/l	97
31) Isopropyl Ether	4.019	45	362920	9.569	ug/l	96
32) Ethyl-t-butyl ether	4.527	59	304165	10.208	ug/l	98
33) Tert-Amyl methyl ether	5.961	73	213344	10.984	ug/l	98
34) Propionitrile	4.809	54	68001m	61.450	ug/l	
35) Benzene	5.764	78	467958	9.832	ug/l	99
36) 1,2-Dichloroethane	5.797	62	142979	9.839	ug/l	99
37) Trichloroethene	6.562	130	114444	10.030	ug/l	96
38) 1,2-Dichloropropane	6.819	63	131875	10.323	ug/l	100
39) Methacrylonitrile	4.993	41	39795	8.764	ug/l	95
40) Methyl acrylate	4.864	55	78562	11.359	ug/l	# 96
41) Tetrahydrofuran	5.083	42	38690	17.018	ug/l	98
42) 1-Chlorobutane	5.443	56	223919	9.712	ug/l	95
43) Dibromomethane	6.941	93	69679	10.118	ug/l	98
44) Bromodichloromethane	7.128	83	161961	9.967	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.822	43	392937	56.843	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	72164m	17.547	ug/l	
47) Methyl methacrylate	6.996	69	123993	19.248	ug/l	92
48) Ethyl methacrylate	8.353	69	108640	9.341	ug/l	93
49) Toluene	7.983	92	291012	11.380	ug/l	96
50) t-1,3-Dichloropropene	8.227	75	130890	10.344	ug/l	99
51) cis-1,3-Dichloropropene	7.626	75	142915	9.866	ug/l	95
52) 1,1,2-Trichloroethane	8.414	97	102189	10.097	ug/l	96
53) 1,3-Dichloropropane	8.587	76	169586	10.640	ug/l	100
54) 2-Hexanone	8.706	43	276043	57.341	ug/l	99
55) Dibromochloromethane	8.822	129	111538	10.018	ug/l	100
56) 1,2-Dibromoethane	8.935	107	94693	10.417	ug/l	100
58) Tetrachloroethene	8.562	164	108957	10.148	ug/l	98
59) Chlorobenzene	9.456	112	303563	11.001	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.542	131	119070	10.266	ug/l	97
61) Pentachloroethane	11.430	117	97274	10.078	ug/l	93
62) Hexachloroethane	12.475	117	86056	10.718	ug/l	99
63) Ethyl Benzene	9.578	91	522095	9.387	ug/l	99
64) m/p-Xylenes	9.700	106	429698	19.420	ug/l	99
65) o-Xylene	10.105	106	196974	9.568	ug/l	97
66) Styrene	10.118	104	357966	9.749	ug/l	97
67) Bromoform	10.298	173	63960	10.116	ug/l	99
69) Isopropylbenzene	10.488	105	521737	9.589	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	142065	10.199	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	72392m	6.911	ug/l	
72) Bromobenzene	10.787	156	133848	11.235	ug/l	94
73) n-propylbenzene	10.909	120	143393	9.448	ug/l	99
74) 2-Chlorotoluene	10.989	126	134075	9.732	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	481370	9.875	ug/l	100
76) 4-Chlorotoluene	11.099	126	138455	9.639	ug/l	87
77) tert-Butylbenzene	11.423	119	438362	9.567	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	495739	9.732	ug/l	98
79) sec-Butylbenzene	11.645	105	606302	9.664	ug/l	99
80) Nitrobenzene	13.211	77	36781	48.675	ug/l	95
81) p-Isopropyltoluene	11.796	119	491641	9.599	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	274187	11.177	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	279231	11.450	ug/l	98
84) n-Butylbenzene	12.211	91	443090	9.463	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	270088	11.200	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	22217	10.108	ug/l	95
87) 1,2,4-Trichlorobenzene	13.841	180	157767	11.466	ug/l	99
88) Hexachlorobutadiene	14.021	225	96102	10.732	ug/l	99
89) Naphthalene	14.089	128	325962	8.858	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	179496	10.093	ug/l	98

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

