

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050375.D
 Acq On : 19 Aug 2022 14:25
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 14:58:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 14:27:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.105	96	40867	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	15765	1.112	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	17447	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	255610	16.300	ug/l	99
3) Chloromethane	1.520	50	294851	15.365	ug/l	100
4) Vinyl Chloride	1.604	62	269083	15.979	ug/l	100
5) Bromomethane	1.851	94	102495	14.309	ug/l	98
6) Chloroethane	1.928	64	158115	15.088	ug/l	99
7) Trichlorofluoromethane	2.137	101	329138	16.662	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	180359	16.875	ug/l	98
9) 1,1-Dichloroethene	2.578	96	180507	16.083	ug/l	98
10) Iodomethane	2.719	142	160180	14.794	ug/l	96
11) Allyl Chloride	2.922	41	275188	14.978	ug/l	97
12) Acrylonitrile	3.321	53	107055	29.092	ug/l	97
13) Acetone	2.629	43	181884	69.416	ug/l	96
14) Carbon Disulfide	2.790	76	541086	14.231	ug/l	100
15) Methylene Chloride	3.041	84	212035	13.744	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	188981	15.453	ug/l	96
17) 1,1-Dichloroethane	3.874	63	385325	15.586	ug/l	99
18) 2-Butanone	4.729	43	304678	74.540	ug/l	100
19) Cyclohexane	5.362	56	283132m	19.283	ug/l	
20) Methylcyclohexane	6.767	83	274428	19.520	ug/l	100
21) 2,2-Dichloropropane	4.661	77	284963	15.539	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	208948	15.604	ug/l	95
23) Diethyl Ether	2.379	59	156861	15.525	ug/l	99
24) tert-Butyl Alcohol	3.205	59	212558	148.542	ug/l	99
25) Methyl tert-Butyl Ether	3.372	73	490019	15.458	ug/l	95
26) Bromochloromethane	4.967	128	83559	13.953	ug/l	93
27) Chloroform	5.079	83	370237	15.822	ug/l	98
28) 1,1,1-Trichloroethane	5.298	97	315838	16.880	ug/l	99
29) 1,1-Dichloropropene	5.504	75	248007	17.157	ug/l	99
30) Carbon Tetrachloride	5.501	117	242056	15.937	ug/l	98
31) Isopropyl Ether	4.012	45	602841	15.881	ug/l	98
32) Ethyl-t-butyl ether	4.520	59	502359	16.499	ug/l	99
33) Tert-Amyl methyl ether	5.954	73	340997	16.860	ug/l	98
34) Propionitrile	4.796	54	97668	70.765	ug/l	97
35) Benzene	5.758	78	762631	15.916	ug/l	97
36) 1,2-Dichloroethane	5.790	62	226711	15.111	ug/l	99
37) Trichloroethene	6.542	130	182973	15.726	ug/l	99
38) 1,2-Dichloropropane	6.806	63	212480	16.217	ug/l	99
39) Methacrylonitrile	4.983	41	72586	16.253	ug/l	94
40) Methyl acrylate	4.858	55	125865	16.091	ug/l	99
41) Tetrahydrofuran	5.073	42	75572	31.132	ug/l	98
42) 1-Chlorobutane	5.439	56	369493	17.913	ug/l	96
43) Dibromomethane	6.931	93	111955	15.489	ug/l	99
44) Bromodichloromethane	7.118	83	265811	15.782	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	654750	84.788	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	128762m	47.728	ug/l	
47) Methyl methacrylate	6.983	69	210291	36.154	ug/l	92
48) Ethyl methacrylate	8.346	69	191849	18.750	ug/l	93
49) Toluene	7.976	92	484724	18.238	ug/l	97
50) t-1,3-Dichloropropene	8.221	75	238042	17.221	ug/l	99
51) cis-1,3-Dichloropropene	7.619	75	266486	16.864	ug/l	94
52) 1,1,2-Trichloroethane	8.410	97	162080	15.051	ug/l	99
53) 1,3-Dichloropropane	8.584	76	272171	16.204	ug/l	99
54) 2-Hexanone	8.700	43	455221	85.070	ug/l	98
55) Dibromochloromethane	8.816	129	183221	15.873	ug/l	100
56) 1,2-Dibromoethane	8.931	107	151560	16.055	ug/l	100
58) Tetrachloroethene	8.558	164	171857	15.795	ug/l	99
59) Chlorobenzene	9.452	112	499898	17.383	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.539	131	192418	16.174	ug/l	98
61) Pentachloroethane	11.430	117	159559	16.226	ug/l	98
62) Hexachloroethane	12.478	117	147229	19.020	ug/l	99
63) Ethyl Benzene	9.574	91	914588	20.176	ug/l	99
64) m/p-Xylenes	9.697	106	715930	40.610	ug/l	99
65) o-Xylene	10.105	106	334356	19.617	ug/l	99
66) Styrene	10.118	104	598005	21.270	ug/l	98
67) Bromoform	10.295	173	105642	15.769	ug/l	99
69) Isopropylbenzene	10.488	105	893361	20.467	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	227605	15.501	ug/l	97
71) 1,2,3-Trichloropropane	10.828	75	179370m	17.025	ug/l	
72) Bromobenzene	10.783	156	215283	17.688	ug/l	97
73) n-propylbenzene	10.909	120	247487	21.551	ug/l	98
74) 2-Chlorotoluene	10.989	126	220039	19.565	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	782932	20.542	ug/l	100
76) 4-Chlorotoluene	11.098	126	226887	20.129	ug/l	86
77) tert-Butylbenzene	11.423	119	744812	19.923	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	827581	21.049	ug/l	99
79) sec-Butylbenzene	11.645	105	1023018	20.718	ug/l	100
80) Nitrobenzene	13.208	77	63252	71.274	ug/l	95
81) p-Isopropyltoluene	11.796	119	837504	21.179	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	446471	18.024	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	451626	18.106	ug/l	98
84) n-Butylbenzene	12.211	91	772644	20.602	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	434729	17.557	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	37830	16.089	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	275765	19.111	ug/l	99
88) Hexachlorobutadiene	14.021	225	156930	18.381	ug/l	99
89) Naphthalene	14.089	128	636178	19.484	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	290500	19.554	ug/l	99

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

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