

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050373.D
 Acq On : 19 Aug 2022 13:13
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 14:07:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 14:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	38971	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	13352	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16124	1.063	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	80426	5.378	ug/l	99
3) Chloromethane	1.520	50	91413	4.995	ug/l	99
4) Vinyl Chloride	1.604	62	85893	5.349	ug/l	99
5) Bromomethane	1.855	94	34876	5.106	ug/l	100
6) Chloroethane	1.932	64	51091	5.113	ug/l	98
7) Trichlorofluoromethane	2.138	101	106524	5.655	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	58014	5.692	ug/l	96
9) 1,1-Dichloroethene	2.588	96	57970	5.416	ug/l	98
10) Iodomethane	2.732	142	51168	4.956	ug/l	99
11) Allyl Chloride	2.945	41	86353	4.929	ug/l	97
12) Acrylonitrile	3.346	53	35452m	10.103	ug/l	
13) Acetone	2.642	43	56902m	22.773	ug/l	
14) Carbon Disulfide	2.806	76	175461	4.839	ug/l	100
15) Methylene Chloride	3.067	84	69866	4.749	ug/l	93
16) trans-1,2-Dichloroethene	3.372	96	60235	5.165	ug/l	97
17) 1,1-Dichloroethane	3.890	63	122648	5.202	ug/l	100
18) 2-Butanone	4.755	43	101443m	26.026	ug/l	
19) Cyclohexane	5.369	56	88598m	6.328	ug/l	
20) Methylcyclohexane	6.797	83	70561	5.263	ug/l	97
21) 2,2-Dichloropropane	4.674	77	90801	5.192	ug/l	97
22) cis-1,2-Dichloroethene	4.678	96	66799	5.231	ug/l	96
23) Diethyl Ether	2.382	59	49075	5.094	ug/l	98
24) tert-Butyl Alcohol	3.231	59	60701m	44.484	ug/l	
25) Methyl tert-Butyl Ether	3.398	73	153079	5.064	ug/l	96
26) Bromochloromethane	4.980	128	26417	4.626	ug/l	92
27) Chloroform	5.092	83	119539	5.357	ug/l	97
28) 1,1,1-Trichloroethane	5.308	97	102024	5.718	ug/l	99
29) 1,1-Dichloropropene	5.510	75	81904	5.942	ug/l	97
30) Carbon Tetrachloride	5.510	117	83297	5.751	ug/l	97
31) Isopropyl Ether	4.035	45	187671	5.185	ug/l	96
32) Ethyl-t-butyl ether	4.539	59	151582	5.221	ug/l	98
33) Tert-Amyl methyl ether	5.964	73	101588	5.267	ug/l	97
34) Propionitrile	4.819	54	27734m	21.072	ug/l	
35) Benzene	5.768	78	241445	5.284	ug/l	99
36) 1,2-Dichloroethane	5.800	62	72940	5.098	ug/l	100
37) Trichloroethene	6.581	130	57556	5.187	ug/l	100
38) 1,2-Dichloropropane	6.832	63	66750	5.342	ug/l	100
39) Methacrylonitrile	5.002	41	21172	4.971	ug/l	92
40) Methyl acrylate	4.877	55	32317	4.333	ug/l	# 97
41) Tetrahydrofuran	5.092	42	24914m	10.763	ug/l	
42) 1-Chlorobutane	5.449	56	114997	5.846	ug/l	96
43) Dibromomethane	6.957	93	35708	5.181	ug/l	99
44) Bromodichloromethane	7.144	83	82830	5.157	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.832	43	185493	25.189	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	38600m	15.004	ug/l	
47) Methyl methacrylate	7.009	69	56419	10.172	ug/l	93
48) Ethyl methacrylate	8.359	69	48642	4.985	ug/l	94
49) Toluene	7.993	92	141459	5.581	ug/l	98
50) t-1,3-Dichloropropene	8.234	75	66766	5.065	ug/l	99
51) cis-1,3-Dichloropropene	7.639	75	74621	4.952	ug/l	93
52) 1,1,2-Trichloroethane	8.423	97	52745	5.136	ug/l	100
53) 1,3-Dichloropropane	8.597	76	84109	5.251	ug/l	100
54) 2-Hexanone	8.713	43	129934	25.463	ug/l	95
55) Dibromochloromethane	8.829	129	55875	5.076	ug/l	98
56) 1,2-Dibromoethane	8.941	107	47005	5.222	ug/l	100
58) Tetrachloroethene	8.571	164	55459	5.345	ug/l	97
59) Chlorobenzene	9.459	112	144532	5.270	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.546	131	58165	5.127	ug/l	97
61) Pentachloroethane	11.430	117	50268	5.361	ug/l	91
62) Hexachloroethane	12.478	117	40524	5.490	ug/l	100
63) Ethyl Benzene	9.581	91	233860	5.410	ug/l	99
64) m/p-Xylenes	9.706	106	194125	11.547	ug/l	100
65) o-Xylene	10.108	106	89395	5.500	ug/l	99
66) Styrene	10.124	104	156289	5.829	ug/l	97
67) Bromoform	10.298	173	33174	5.193	ug/l	99
69) Isopropylbenzene	10.491	105	233692	5.614	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.790	83	72066	5.147	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	52793m	5.255	ug/l	
72) Bromobenzene	10.790	156	64542	5.561	ug/l	94
73) n-propylbenzene	10.912	120	64845	5.921	ug/l	94
74) 2-Chlorotoluene	10.992	126	64704	6.033	ug/l	92
75) 1,3,5-Trimethylbenzene	11.092	105	216021	5.944	ug/l	99
76) 4-Chlorotoluene	11.102	126	66072	6.147	ug/l	86
77) tert-Butylbenzene	11.423	119	199689	5.601	ug/l	97
78) 1,2,4-Trimethylbenzene	11.472	105	225416	6.012	ug/l	98
79) sec-Butylbenzene	11.648	105	275039	5.841	ug/l	99
80) Nitrobenzene	13.211	77	18205	21.512	ug/l	92
81) p-Isopropyltoluene	11.796	119	217327	5.763	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	133676	5.659	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	133654	5.619	ug/l	98
84) n-Butylbenzene	12.211	91	196450	5.493	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	129171	5.471	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	11161	4.978	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	68917	5.008	ug/l	99
88) Hexachlorobutadiene	14.021	225	45268	5.560	ug/l	98
89) Naphthalene	14.089	128	138208	4.439	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	75987	5.364	ug/l	99

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

