

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053794.D
 Acq On : 19 Apr 2023 21:44
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 21 10:13:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	30073	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12684	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	14232	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	85045	9.328	ug/l	99
3) Chloromethane	1.517	50	77990	9.500	ug/l	100
4) Vinyl Chloride	1.604	62	93259	9.825	ug/l	99
5) Bromomethane	1.845	94	62016	8.683	ug/l	100
6) Chloroethane	1.925	64	57700	9.494	ug/l	98
7) Trichlorofluoromethane	2.134	101	154898	9.715	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	100403	9.673	ug/l	95
9) 1,1-Dichloroethene	2.575	96	80425	9.465	ug/l	87
10) Iodomethane	2.720	142	104216	11.261	ug/l	97
11) Allyl Chloride	2.919	41	96765	9.589	ug/l	99
12) Acrylonitrile	3.311	53	41682	19.632	ug/l	98
13) Acetone	2.626	43	157129	52.943	ug/l	95
14) Carbon Disulfide	2.787	76	129154	9.255	ug/l	100
15) Methylene Chloride	3.041	84	122063	9.805	ug/l	89
16) trans-1,2-Dichloroethene	3.347	96	86913	9.459	ug/l	91
17) 1,1-Dichloroethane	3.861	63	164637	8.688	ug/l	99
18) 2-Butanone	4.710	43	166507	43.279	ug/l	99
19) Cyclohexane	5.379	56	96408m	7.353	ug/l	
20) Methylcyclohexane	6.758	83	115915	9.854	ug/l	92
21) 2,2-Dichloropropane	4.658	77	132619	7.700	ug/l	100
22) cis-1,2-Dichloroethene	4.658	96	94659	8.235	ug/l	94
23) Diethyl Ether	2.376	59	62105	9.913	ug/l	91
24) tert-Butyl Alcohol	3.192	59	99986	117.216	ug/l #	1
25) Methyl tert-Butyl Ether	3.366	73	235403	9.930	ug/l	93
26) Bromochloromethane	4.964	128	42681	8.394	ug/l	86
27) Chloroform	5.083	83	176090	8.604	ug/l	96
28) 1,1,1-Trichloroethane	5.308	97	149831	8.834	ug/l	97
29) 1,1-Dichloropropene	5.520	75	103146	9.554	ug/l	99
30) Carbon Tetrachloride	5.517	117	123595	10.182	ug/l	98
31) Isopropyl Ether	3.996	45	217860	7.949	ug/l	96
32) Ethyl-t-butyl ether	4.504	59	220890	7.967	ug/l	94
33) Tert-Amyl methyl ether	5.941	73	208729	10.303	ug/l	98
34) Propionitrile	4.777	54	32415	37.681	ug/l #	17
35) Benzene	5.768	78	337852	10.161	ug/l	98
36) 1,2-Dichloroethane	5.790	62	101677	9.734	ug/l	100
37) Trichloroethene	6.536	130	95902	10.157	ug/l	91
38) 1,2-Dichloropropane	6.787	63	98010	10.355	ug/l	98
39) Methacrylonitrile	4.973	41	23032	6.709	ug/l	88
40) Methyl acrylate	4.848	55	40644	7.170	ug/l #	95
41) Tetrahydrofuran	5.064	42	22514	13.232	ug/l #	87
42) 1-Chlorobutane	5.453	56	136555	9.267	ug/l	96
43) Dibromomethane	6.916	93	48330	10.067	ug/l	99
44) Bromodichloromethane	7.102	83	123344	10.193	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	250407	51.286	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	43009m	21.216	ug/l	
47) Methyl methacrylate	6.961	69	87362	20.719	ug/l	92
48) Ethyl methacrylate	8.330	69	82830	10.022	ug/l	90
49) Toluene	7.964	92	216185	10.318	ug/l	97
50) t-1,3-Dichloropropene	8.208	75	112419	10.340	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	131809	10.154	ug/l	94
52) 1,1,2-Trichloroethane	8.398	97	73294	9.622	ug/l	97
53) 1,3-Dichloropropane	8.571	76	121509	10.188	ug/l	98
54) 2-Hexanone	8.684	43	249195	54.423	ug/l	96
55) Dibromochloromethane	8.806	129	84398	10.536	ug/l	100
56) 1,2-Dibromoethane	8.919	107	66960	10.193	ug/l	98
58) Tetrachloroethene	8.549	164	102969	11.278	ug/l	98
59) Chlorobenzene	9.443	112	260588	9.996	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	98228	10.449	ug/l	97
61) Pentachloroethane	11.423	117	57545	7.938	ug/l	95
62) Hexachloroethane	12.472	117	75485	10.667	ug/l	96
63) Ethyl Benzene	9.565	91	437675	10.633	ug/l	97
64) m/p-Xylenes	9.690	106	348969	21.518	ug/l	95
65) o-Xylene	10.095	106	175682	10.744	ug/l	96
66) Styrene	10.112	104	282759	10.875	ug/l	99
67) Bromoform	10.288	173	42171	10.131	ug/l	99
69) Isopropylbenzene	10.481	105	459977	10.763	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.777	83	94963	9.682	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	47736m	6.744	ug/l	
72) Bromobenzene	10.777	156	110596	10.088	ug/l	89
73) n-propylbenzene	10.902	120	133636	11.271	ug/l	85
74) 2-Chlorotoluene	10.983	126	115847	10.337	ug/l	91
75) 1,3,5-Trimethylbenzene	11.083	105	413193	11.083	ug/l	99
76) 4-Chlorotoluene	11.092	126	120214	10.523	ug/l	91
77) tert-Butylbenzene	11.417	119	387093	10.318	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	418556	11.002	ug/l	95
79) sec-Butylbenzene	11.639	105	543359	10.775	ug/l	96
80) Nitrobenzene	13.205	77	14648	47.149	ug/l #	97
81) p-Isopropyltoluene	11.790	119	458447	11.097	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	238723	10.186	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	241391	10.331	ug/l	99
84) n-Butylbenzene	12.205	91	415353	9.212	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	232907	10.162	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.992	75	14461	10.472	ug/l	87
87) 1,2,4-Trichlorobenzene	13.835	180	145987	9.637	ug/l	99
88) Hexachlorobutadiene	14.018	225	76725	9.495	ug/l	99
89) Naphthalene	14.082	128	267902	10.092	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	139066	9.655	ug/l	100

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

