

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054905.D
 Acq On : 28 Jul 2023 10:05
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:06:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	27581	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	10696	1.279	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10067	1.065	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	50581	9.631	ug/l	98
3) Chloromethane	1.515	50	55337	9.379	ug/l	97
4) Vinyl Chloride	1.599	62	74364	9.438	ug/l	98
5) Bromomethane	1.853	94	55770	8.922	ug/l	98
6) Chloroethane	1.930	64	72853	8.946	ug/l	95
7) Trichlorofluoromethane	2.132	101	151923	8.207	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	57046	9.509	ug/l	98
9) 1,1-Dichloroethene	2.573	96	43972	9.234	ug/l	94
10) Iodomethane	2.718	142	71856	9.666	ug/l	97
11) Allyl Chloride	2.917	41	54622	9.598	ug/l	99
12) Acrylonitrile	3.319	53	22910	19.171	ug/l	99
13) Acetone	2.640	43	70711	56.612	ug/l	98
14) Carbon Disulfide	2.788	76	71363	8.651	ug/l	98
15) Methylene Chloride	3.039	84	61291	10.087	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	51043	9.847	ug/l	92
17) 1,1-Dichloroethane	3.862	63	113489	9.789	ug/l	98
18) 2-Butanone	4.708	43	88434	56.125	ug/l	99
19) Cyclohexane	5.383	56	67952m	10.416	ug/l	
20) Methylcyclohexane	6.759	83	83150	9.532	ug/l	97
21) 2,2-Dichloropropane	4.660	77	101707	9.464	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	70100	10.175	ug/l	97
23) Diethyl Ether	2.374	59	62833	8.944	ug/l	94
24) tert-Butyl Alcohol	3.206	59	62655m	95.867	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	143469	9.737	ug/l	100
26) Bromochloromethane	4.968	128	27128	9.602	ug/l	97
27) Chloroform	5.084	83	125341	10.067	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	103120	9.589	ug/l	98
29) 1,1-Dichloropropene	5.521	75	74217	9.355	ug/l	98
30) Carbon Tetrachloride	5.518	117	88585	9.869	ug/l	98
31) Isopropyl Ether	3.984	45	168065	9.821	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	169390	9.613	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	160121	9.611	ug/l	99
34) Propionitrile	4.782	54	24123	55.532	ug/l	# 90
35) Benzene	5.769	78	241505	9.722	ug/l	99
36) 1,2-Dichloroethane	5.791	62	70249	9.940	ug/l	99
37) Trichloroethene	6.541	130	65133	9.749	ug/l	94
38) 1,2-Dichloropropane	6.788	63	70715	10.070	ug/l	96
39) Methacrylonitrile	4.975	41	17796	10.219	ug/l	# 89
40) Methyl acrylate	4.846	55	30482m	11.008	ug/l	
41) Tetrahydrofuran	5.062	42	18285	18.362	ug/l	97
42) 1-Chlorobutane	5.454	56	99000	9.531	ug/l	98
43) Dibromomethane	6.917	93	33553	10.172	ug/l	98
44) Bromodichloromethane	7.100	83	94414	10.274	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	194872	50.633	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	35287m	22.787	ug/l	
47) Methyl methacrylate	6.959	69	63105	20.927	ug/l	98
48) Ethyl methacrylate	8.332	69	63597	10.427	ug/l	96
49) Toluene	7.965	92	157735	9.968	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	83654	10.253	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	96723	9.644	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	51513	9.851	ug/l	94
53) 1,3-Dichloropropane	8.573	76	86178	10.188	ug/l	97
54) 2-Hexanone	8.682	43	145291	53.127	ug/l	99
55) Dibromochloromethane	8.807	129	60147	10.039	ug/l	96
56) 1,2-Dibromoethane	8.920	107	45667	10.305	ug/l	98
58) Tetrachloroethene	8.550	164	59450	10.194	ug/l	94
59) Chlorobenzene	9.444	112	187876	9.783	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	67729	9.989	ug/l	95
61) Pentachloroethane	11.425	117	52492	9.910	ug/l	98
62) Hexachloroethane	12.473	117	57947	10.638	ug/l	99
63) Ethyl Benzene	9.566	91	325237	10.093	ug/l	99
64) m/p-Xylenes	9.688	106	247513	20.530	ug/l	100
65) o-Xylene	10.097	106	124544	10.057	ug/l	97
66) Styrene	10.110	104	203417	10.274	ug/l	99
67) Bromoform	10.286	173	34801	11.201	ug/l	99
69) Isopropylbenzene	10.483	105	337702	10.158	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	66489	10.273	ug/l	98
71) 1,2,3-Trichloropropane	10.823	75	44667m	9.689	ug/l	
72) Bromobenzene	10.778	156	76298	10.308	ug/l	98
73) n-propylbenzene	10.904	120	92003	10.341	ug/l	98
74) 2-Chlorotoluene	10.981	126	79559	10.329	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	280810	10.430	ug/l	99
76) 4-Chlorotoluene	11.093	126	82930	10.364	ug/l	98
77) tert-Butylbenzene	11.418	119	286159	10.221	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	287163	10.419	ug/l	100
79) sec-Butylbenzene	11.640	105	382209	10.501	ug/l	99
80) Nitrobenzene	13.206	77	9213	54.177	ug/l #	93
81) p-Isopropyltoluene	11.788	119	308104	10.726	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	158700	10.071	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	161124	10.257	ug/l	98
84) n-Butylbenzene	12.206	91	271618	10.527	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	149295	9.884	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	8925	10.372	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	94874	9.848	ug/l	99
88) Hexachlorobutadiene	14.016	225	52900	10.295	ug/l	99
89) Naphthalene	14.084	128	135244	9.065	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	82048	9.598	ug/l	99

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

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