

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050394.D
 Acq On : 22 Aug 2022 11:54
 Operator : SY/MD
 Sample : VU0822WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0822WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/27/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 23 08:24:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	32544	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	10321	0.931	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13315	1.017	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	26219	1.945	ug/l	97
3) Chloromethane	1.520	50	32482	1.981	ug/l	98
4) Vinyl Chloride	1.604	62	28062	2.003	ug/l	98
5) Bromomethane	1.858	94	9738	1.699	ug/l	100
6) Chloroethane	1.932	64	17302	2.042	ug/l	96
7) Trichlorofluoromethane	2.138	101	33907	1.940	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	18791	1.922	ug/l	99
9) 1,1-Dichloroethene	2.578	96	19297	2.013	ug/l	98
10) Iodomethane	2.723	142	6054	0.766	ug/l	98
11) Allyl Chloride	2.928	41	29219	1.978	ug/l	99
12) Acrylonitrile	3.337	53	12497m	4.347	ug/l	
13) Acetone	2.636	43	23688m	11.782	ug/l	
14) Carbon Disulfide	2.793	76	58655	1.976	ug/l	98
15) Methylene Chloride	3.054	84	24984	1.927	ug/l	97
16) trans-1,2-Dichloroethene	3.366	96	20125	2.032	ug/l	99
17) 1,1-Dichloroethane	3.877	63	42571	2.063	ug/l	99
18) 2-Butanone	4.742	43	36479m	11.536	ug/l	
19) Cyclohexane	5.362	56	32078m	2.142	ug/l	
20) Methylcyclohexane	6.777	83	20611	1.746	ug/l	97
21) 2,2-Dichloropropane	4.665	77	30703	1.958	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	22667	2.023	ug/l	95
23) Diethyl Ether	2.379	59	16399	1.992	ug/l	97
24) tert-Butyl Alcohol	3.224	59	14332m	16.457	ug/l	
25) Methyl tert-Butyl Ether	3.388	73	48487	1.904	ug/l	93
26) Bromochloromethane	4.970	128	9091	2.022	ug/l	91
27) Chloroform	5.083	83	40718	2.036	ug/l	96
28) 1,1,1-Trichloroethane	5.298	97	33004	1.934	ug/l	96
29) 1,1-Dichloropropene	5.507	75	29194	2.136	ug/l	95
30) Carbon Tetrachloride	5.501	117	27873	2.041	ug/l	98
31) Isopropyl Ether	4.022	45	62343	1.947	ug/l	97
32) Ethyl-t-butyl ether	4.523	59	46420	1.846	ug/l	99
33) Tert-Amyl methyl ether	5.957	73	26984	1.646	ug/l	97
34) Propionitrile	4.806	54	12123m	12.979	ug/l	
35) Benzene	5.761	78	76624	1.907	ug/l	98
36) 1,2-Dichloroethane	5.793	62	24386	1.988	ug/l	99
37) Trichloroethene	6.549	130	17555	1.823	ug/l	97
38) 1,2-Dichloropropane	6.813	63	20586	1.909	ug/l	96
39) Methacrylonitrile	4.989	41	8061	2.103	ug/l	94
40) Methyl acrylate	4.867	55	13006m	2.228	ug/l	
41) Tetrahydrofuran	5.083	42	7747	4.037	ug/l	96
42) 1-Chlorobutane	5.443	56	39010	2.005	ug/l	97
43) Dibromomethane	6.941	93	11193	1.926	ug/l	98
44) Bromodichloromethane	7.124	83	27457	2.002	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.822	43	48761	8.357	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	11119m	3.631	ug/l	
47) Methyl methacrylate	6.996	69	14442	3.531	ug/l	95
48) Ethyl methacrylate	8.353	69	12360	1.737	ug/l	97
49) Toluene	7.983	92	37925	1.757	ug/l	98
50) t-1,3-Dichloropropene	8.224	75	19940	1.867	ug/l	99
51) cis-1,3-Dichloropropene	7.626	75	22645	1.852	ug/l	94
52) 1,1,2-Trichloroethane	8.414	97	17119	2.004	ug/l	97
53) 1,3-Dichloropropane	8.587	76	25311	1.881	ug/l	98
54) 2-Hexanone	8.706	43	34224	8.422	ug/l	89
55) Dibromochloromethane	8.819	129	18710	1.991	ug/l	100
56) 1,2-Dibromoethane	8.935	107	14029	1.828	ug/l	98
58) Tetrachloroethene	8.562	164	16644	1.837	ug/l	97
59) Chlorobenzene	9.456	112	43026	1.847	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.542	131	19298	1.971	ug/l	98
61) Pentachloroethane	11.430	117	16952	2.081	ug/l	85
62) Hexachloroethane	12.478	117	14306	2.111	ug/l	96
63) Ethyl Benzene	9.578	91	61051	1.792	ug/l	98
64) m/p-Xylenes	9.700	106	46398	3.430	ug/l	95
65) o-Xylene	10.105	106	23456	1.789	ug/l	97
66) Styrene	10.121	104	36861	1.717	ug/l	97
67) Bromoform	10.298	173	10974	2.056	ug/l	96
69) Isopropylbenzene	10.488	105	59984	1.798	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.787	83	22710	1.932	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	16082m	1.819	ug/l	
72) Bromobenzene	10.787	156	18627	1.852	ug/l	95
73) n-propylbenzene	10.909	120	14844	1.678	ug/l	95
74) 2-Chlorotoluene	10.989	126	17029	1.795	ug/l	89
75) 1,3,5-Trimethylbenzene	11.089	105	50162	1.678	ug/l	100
76) 4-Chlorotoluene	11.102	126	16697	1.721	ug/l	96
77) tert-Butylbenzene	11.423	119	54195	1.823	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	53282	1.733	ug/l	95
79) sec-Butylbenzene	11.645	105	69583	1.788	ug/l	98
80) Nitrobenzene	13.214	77	6823	10.697	ug/l #	97
81) p-Isopropyltoluene	11.796	119	55111	1.799	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	39846	1.924	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	39453	1.917	ug/l	99
84) n-Butylbenzene	12.211	91	53197	1.849	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	37657	1.850	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	3565	1.922	ug/l	90
87) 1,2,4-Trichlorobenzene	13.841	180	20251	1.744	ug/l	98
88) Hexachlorobutadiene	14.024	225	13896	1.838	ug/l	100
89) Naphthalene	14.089	128	38993	2.080	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	20054	1.763	ug/l	97

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

