

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060332.D
 Acq On : 07 Aug 2024 13:16
 Operator : MD/SY
 Sample : VU0807WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0807WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

Quant Time: Aug 08 05:55:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	32363	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	12068	1.094	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13053	1.090	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	22716	1.825	ug/l	99
3) Chloromethane	1.518	50	25504	1.792	ug/l	99
4) Vinyl Chloride	1.602	62	26448	1.859	ug/l	97
5) Bromomethane	1.856	94	18414	2.106	ug/l	99
6) Chloroethane	1.933	64	16414	1.906	ug/l	98
7) Trichlorofluoromethane	2.136	101	32464	1.891	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	18301	1.959	ug/l	97
9) 1,1-Dichloroethene	2.576	96	19173	1.982	ug/l	86
10) Iodomethane	2.718	142	26907	1.876	ug/l	99
11) Allyl Chloride	2.920	41	21766	1.641	ug/l	99
12) Acrylonitrile	3.338	53	8020m	3.173	ug/l	
13) Acetone	2.650	43	31721	10.331	ug/l	89
14) Carbon Disulfide	2.788	76	60466	1.843	ug/l	99
15) Methylene Chloride	3.042	84	23909	1.974	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	20441	1.972	ug/l	90
17) 1,1-Dichloroethane	3.862	63	37247	1.869	ug/l	99
18) 2-Butanone	4.730	43	33954m	9.572	ug/l	
19) Cyclohexane	5.383	56	26782m	1.559	ug/l	
20) Methylcyclohexane	6.756	83	26703	1.958	ug/l	99
21) 2,2-Dichloropropane	4.657	77	28598	1.842	ug/l	98
22) cis-1,2-Dichloroethene	4.660	96	20607	1.856	ug/l	95
23) Diethyl Ether	2.374	59	14159	1.801	ug/l	97
24) tert-Butyl Alcohol	3.248	59	25718m	26.185	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	38926	1.639	ug/l	96
26) Bromochloromethane	4.968	128	9399	1.999	ug/l	91
27) Chloroform	5.084	83	39151	2.007	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	31491	1.944	ug/l	98
29) 1,1-Dichloropropene	5.525	75	25195	1.941	ug/l	99
30) Carbon Tetrachloride	5.518	117	27123	2.054	ug/l	99
31) Isopropyl Ether	3.985	45	42259	1.450	ug/l	90
32) Ethyl-t-butyl ether	4.493	59	40990	1.456	ug/l	96
33) Tert-Amyl methyl ether	5.933	73	39205	1.961	ug/l	97
34) Propionitrile	4.817	54	8391m	8.277	ug/l	
35) Benzene	5.769	78	83365	2.084	ug/l	96
36) 1,2-Dichloroethane	5.792	62	21673	1.950	ug/l	# 84
37) Trichloroethene	6.541	130	21388	2.160	ug/l	94
38) 1,2-Dichloropropane	6.785	63	21691	2.005	ug/l	97
39) Methacrylonitrile	4.988	41	4545m	1.239	ug/l	
40) Methyl acrylate	4.869	55	7435m	1.157	ug/l	
41) Tetrahydrofuran	5.068	42	5158m	2.582	ug/l	
42) 1-Chlorobutane	5.454	56	32935	1.840	ug/l	97
43) Dibromomethane	6.914	93	10699	1.954	ug/l	96
44) Bromodichloromethane	7.100	83	26820	2.041	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	45780	8.907	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	10949m	3.801	ug/l	
47) Methyl methacrylate	6.962	69	16699	3.759	ug/l	94
48) Ethyl methacrylate	8.332	69	14804	1.963	ug/l	95
49) Toluene	7.965	92	45565	2.054	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	22427	2.067	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	27212	2.085	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	15651	1.948	ug/l	95
53) 1,3-Dichloropropane	8.570	76	25507	1.989	ug/l	97
54) 2-Hexanone	8.682	43	42882	10.764	ug/l	97
55) Dibromochloromethane	8.804	129	17603	1.997	ug/l	94
56) 1,2-Dibromoethane	8.920	107	14265	1.980	ug/l	97
58) Tetrachloroethene	8.547	164	19617	2.217	ug/l	97
59) Chlorobenzene	9.444	112	52675	2.193	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	19707	2.083	ug/l	96
61) Pentachloroethane	11.422	117	16342	2.022	ug/l	98
62) Hexachloroethane	12.470	117	15921	2.038	ug/l	98
63) Ethyl Benzene	9.566	91	77532	2.090	ug/l	96
64) m/p-Xylenes	9.688	106	63129	4.144	ug/l	95
65) o-Xylene	10.097	106	30923	2.128	ug/l	96
66) Styrene	10.113	104	48616	2.009	ug/l	98
67) Bromoform	10.287	173	10393	2.013	ug/l	96
69) Isopropylbenzene	10.479	105	76239	2.079	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	19548	1.828	ug/l	94
71) 1,2,3-Trichloropropane	10.820	75	15133m	1.911	ug/l	
72) Bromobenzene	10.778	156	21524	2.183	ug/l	83
73) n-propylbenzene	10.901	120	21942	2.094	ug/l	98
74) 2-Chlorotoluene	10.981	126	21416	2.122	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	67565	2.053	ug/l	99
76) 4-Chlorotoluene	11.094	126	22282	2.124	ug/l	94
77) tert-Butylbenzene	11.415	119	66420	2.108	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	69023	2.054	ug/l	100
79) sec-Butylbenzene	11.637	105	90538	2.105	ug/l	98
80) Nitrobenzene	13.222	77	3748m	7.982	ug/l	
81) p-Isopropyltoluene	11.788	119	72035	2.090	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	46474	2.259	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	46223	2.263	ug/l	99
84) n-Butylbenzene	12.203	91	71554	2.127	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	43874	2.205	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	2574	1.660	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	24762	2.176	ug/l	98
88) Hexachlorobutadiene	14.013	225	16631	2.260	ug/l	99
89) Naphthalene	14.084	128	32871	1.632	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	21213	1.909	ug/l	97

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

