

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060316.D
 Acq On : 06 Aug 2024 12:13
 Operator : MD/SY
 Sample : VU0806WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 07 06:57:59 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	6.113	96	34776	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	11517	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13063	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	24297	1.817	ug/l	98
3) Chloromethane	1.518	50	27720	1.813	ug/l	96
4) Vinyl Chloride	1.599	62	28077	1.836	ug/l	98
5) Bromomethane	1.853	94	17709	1.885	ug/l	97
6) Chloroethane	1.927	64	17968	1.942	ug/l	95
7) Trichlorofluoromethane	2.133	101	34096	1.848	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	18963	1.889	ug/l	98
9) 1,1-Dichloroethene	2.573	96	18818	1.810	ug/l	92
10) Iodomethane	2.715	142	28368	1.840	ug/l	96
11) Allyl Chloride	2.917	41	22379	1.570	ug/l	98
12) Acrylonitrile	3.335	53	7578	2.790	ug/l	# 88
13) Acetone	2.653	43	27092m	8.211	ug/l	
14) Carbon Disulfide	2.785	76	63910	1.813	ug/l	97
15) Methylene Chloride	3.039	84	23632	1.816	ug/l	97
16) trans-1,2-Dichloroethene	3.351	96	20310	1.823	ug/l	91
17) 1,1-Dichloroethane	3.862	63	38009	1.775	ug/l	97
18) 2-Butanone	4.724	43	30860m	8.096	ug/l	
19) Cyclohexane	5.383	56	26342m	1.427	ug/l	
20) Methylcyclohexane	6.759	83	25395	1.733	ug/l	96
21) 2,2-Dichloropropane	4.657	77	28025	1.680	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	21031	1.762	ug/l	97
23) Diethyl Ether	2.371	59	16002	1.894	ug/l	98
24) tert-Butyl Alcohol	3.268	59	13597m	12.883	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	39223	1.537	ug/l	97
26) Bromochloromethane	4.968	128	9838	1.947	ug/l	92
27) Chloroform	5.081	83	38881	1.855	ug/l	92
28) 1,1,1-Trichloroethane	5.309	97	31926	1.834	ug/l	99
29) 1,1-Dichloropropene	5.522	75	25423	1.823	ug/l	97
30) Carbon Tetrachloride	5.518	117	27436	1.934	ug/l	97
31) Isopropyl Ether	3.988	45	42472	1.357	ug/l	90
32) Ethyl-t-butyl ether	4.496	59	41917	1.385	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	39253	1.827	ug/l	99
34) Propionitrile	4.811	54	8720m	8.004	ug/l	
35) Benzene	5.769	78	83885	1.952	ug/l	97
36) 1,2-Dichloroethane	5.792	62	23699	1.984	ug/l	96
37) Trichloroethene	6.538	130	21300	2.002	ug/l	98
38) 1,2-Dichloropropane	6.785	63	22460	1.932	ug/l	98
39) Methacrylonitrile	4.988	41	4723	1.198	ug/l	# 88
40) Methyl acrylate	4.862	55	7433m	1.077	ug/l	
41) Tetrahydrofuran	5.071	42	5665	2.639	ug/l	99
42) 1-Chlorobutane	5.454	56	33928	1.764	ug/l	100
43) Dibromomethane	6.917	93	11025	1.874	ug/l	96
44) Bromodichloromethane	7.100	83	27775	1.967	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	50365	9.119	ug/l	98
46) t-1,4-Dichloro-2-butene	10.827	75	12105m	3.911	ug/l	
47) Methyl methacrylate	6.962	69	17263	3.617	ug/l	97
48) Ethyl methacrylate	8.332	69	14542	1.794	ug/l	96
49) Toluene	7.965	92	45702	1.918	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	21912	1.879	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	27000	1.925	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	17109	1.981	ug/l	96
53) 1,3-Dichloropropane	8.573	76	27073	1.965	ug/l	96
54) 2-Hexanone	8.685	43	39896	9.320	ug/l	92
55) Dibromochloromethane	8.804	129	18326	1.935	ug/l	99
56) 1,2-Dibromoethane	8.920	107	14481	1.870	ug/l	93
58) Tetrachloroethene	8.547	164	19096	2.008	ug/l	97
59) Chlorobenzene	9.444	112	50659	1.963	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	19331	1.901	ug/l	97
61) Pentachloroethane	11.422	117	16410	1.890	ug/l	98
62) Hexachloroethane	12.470	117	15418	1.837	ug/l	100
63) Ethyl Benzene	9.566	91	74059	1.913	ug/l	98
64) m/p-Xylenes	9.692	106	57086	3.629	ug/l	100
65) o-Xylene	10.097	106	29889	1.959	ug/l	96
66) Styrene	10.113	104	45647	1.815	ug/l	97
67) Bromoform	10.287	173	10568	1.905	ug/l	100
69) Isopropylbenzene	10.480	105	72355	1.892	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	22464	1.955	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	16421m	1.929	ug/l	
72) Bromobenzene	10.779	156	20897	1.972	ug/l	81
73) n-propylbenzene	10.901	120	20308	1.871	ug/l	100
74) 2-Chlorotoluene	10.984	126	19955	1.882	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	62980	1.842	ug/l	99
76) 4-Chlorotoluene	11.094	126	20384	1.858	ug/l	96
77) tert-Butylbenzene	11.415	119	62774	1.908	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	63659	1.833	ug/l	99
79) sec-Butylbenzene	11.637	105	85003	1.896	ug/l	100
80) Nitrobenzene	13.219	77	3477m	6.891	ug/l	
81) p-Isopropyltoluene	11.788	119	64586	1.830	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	42399	1.918	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	42146	1.920	ug/l	99
84) n-Butylbenzene	12.206	91	59608	1.764	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	40611	1.899	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2909	1.746	ug/l	90
87) 1,2,4-Trichlorobenzene	13.840	180	21367	1.747	ug/l	99
88) Hexachlorobutadiene	14.016	225	14955	1.891	ug/l	98
89) Naphthalene	14.087	128	30922	1.429	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	20100	1.683	ug/l	98

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

