

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
 Data File : VU061158.D
 Acq On : 18 Oct 2024 12:12
 Operator : MD/SY
 Sample : VU1018WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
 Supervised By :Semsettin Yesilyurt 10/25/2024

Quant Time: Oct 18 23:58:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 02:52:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	28433	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14535	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14435	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	30498	1.948	ug/l	100
3) Chloromethane	1.515	50	29151	1.957	ug/l	98
4) Vinyl Chloride	1.602	62	29747	1.944	ug/l	97
5) Bromomethane	1.856	94	19234	2.000	ug/l	99
6) Chloroethane	1.930	64	19576	1.909	ug/l	96
7) Trichlorofluoromethane	2.132	101	41679	1.915	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	21740	2.009	ug/l	97
9) 1,1-Dichloroethene	2.576	96	22488	1.993	ug/l	98
10) Iodomethane	2.718	142	25026	2.222	ug/l	100
11) Allyl Chloride	2.917	41	28504	1.962	ug/l	99
12) Acrylonitrile	3.335	53	9504m	4.189	ug/l	
13) Acetone	2.653	43	30685	10.369	ug/l	98
14) Carbon Disulfide	2.788	76	75797	1.950	ug/l	98
15) Methylene Chloride	3.039	84	27180	1.862	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	26247	1.984	ug/l	100
17) 1,1-Dichloroethane	3.859	63	46200	1.969	ug/l	99
18) 2-Butanone	4.721	43	33812	9.332	ug/l	98
19) Cyclohexane	5.380	56	41238m	1.962	ug/l	
20) Methylcyclohexane	6.756	83	46454	1.983	ug/l	99
21) 2,2-Dichloropropane	4.653	77	40332	1.864	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	28526	1.979	ug/l	98
23) Diethyl Ether	2.374	59	16740	1.910	ug/l	96
24) tert-Butyl Alcohol	3.255	59	20247m	22.136	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	58779	1.945	ug/l	97
26) Bromochloromethane	4.968	128	11483	1.905	ug/l	97
27) Chloroform	5.081	83	48196	1.959	ug/l	96
28) 1,1,1-Trichloroethane	5.309	97	42260	1.949	ug/l	99
29) 1,1-Dichloropropene	5.518	75	38010	1.983	ug/l	99
30) Carbon Tetrachloride	5.518	117	37737	2.005	ug/l	98
31) Isopropyl Ether	3.981	45	66050	1.974	ug/l	98
32) Ethyl-t-butyl ether	4.492	59	65089	1.892	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	57652	1.861	ug/l	98
34) Propionitrile	4.814	54	8271	9.568	ug/l #	90
35) Benzene	5.766	78	106479	1.973	ug/l	99
36) 1,2-Dichloroethane	5.788	62	29950	1.965	ug/l	99
37) Trichloroethene	6.537	130	28005	1.944	ug/l	98
38) 1,2-Dichloropropane	6.785	63	26717	1.954	ug/l	98
39) Methacrylonitrile	4.981	41	6290	2.021	ug/l #	90
40) Methyl acrylate	4.862	55	13199m	2.091	ug/l	
41) Tetrahydrofuran	5.065	42	7325	3.918	ug/l	96
42) 1-Chlorobutane	5.451	56	47333	1.925	ug/l	96
43) Dibromomethane	6.914	93	13827	1.951	ug/l	97
44) Bromodichloromethane	7.097	83	33128	1.922	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	68917	9.686	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	10352m	3.649	ug/l	
47) Methyl methacrylate	6.959	69	23238	3.772	ug/l	97
48) Ethyl methacrylate	8.332	69	25634	1.951	ug/l	98
49) Toluene	7.962	92	66822	1.960	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	30701	1.847	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	39623	1.943	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	18601	1.946	ug/l	98
53) 1,3-Dichloropropane	8.569	76	32995	1.965	ug/l	99
54) 2-Hexanone	8.682	43	54328	9.294	ug/l	97
55) Dibromochloromethane	8.804	129	21818	1.933	ug/l	97
56) 1,2-Dibromoethane	8.917	107	17523	1.910	ug/l	92
58) Tetrachloroethene	8.547	164	23881	1.955	ug/l	96
59) Chlorobenzene	9.441	112	71955	1.959	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	24024	1.939	ug/l	100
61) Pentachloroethane	11.418	117	18095	1.908	ug/l	98
62) Hexachloroethane	12.466	117	18176	1.860	ug/l	98
63) Ethyl Benzene	9.563	91	127530	1.938	ug/l	99
64) m/p-Xylenes	9.688	106	97740	3.903	ug/l	100
65) o-Xylene	10.094	106	47459	1.924	ug/l	96
66) Styrene	10.110	104	72396	1.887	ug/l	99
67) Bromoform	10.283	173	10878	1.841	ug/l	98
69) Isopropylbenzene	10.476	105	113892	1.941	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	22779	1.962	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	18865m	1.995	ug/l	
72) Bromobenzene	10.775	156	26839	1.902	ug/l	85
73) n-propylbenzene	10.901	120	32544	1.901	ug/l	100
74) 2-Chlorotoluene	10.981	126	28315	1.912	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	103368	1.954	ug/l	99
76) 4-Chlorotoluene	11.090	126	29360	1.951	ug/l	99
77) tert-Butylbenzene	11.412	119	101035	1.932	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	101411	1.899	ug/l	100
79) sec-Butylbenzene	11.637	105	132770	1.950	ug/l	99
80) Nitrobenzene	13.219	77	1685m	9.146	ug/l	
81) p-Isopropyltoluene	11.785	119	105427	1.870	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	52451	1.938	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	51628	1.913	ug/l	98
84) n-Butylbenzene	12.203	91	99322	1.899	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	47882	1.892	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3360	1.950	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	25504	1.762	ug/l	99
88) Hexachlorobutadiene	14.013	225	15855	1.937	ug/l	97
89) Naphthalene	14.084	128	41746	1.634	ug/l	98
90) 1,2,3-Trichlorobenzene	14.322	180	22822	1.755	ug/l	99

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

