

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061153.D
 Acq On : 17 Oct 2024 19:56
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/21/2024
 Supervised By : Mahesh Dadoda 10/21/2024

Quant Time: Oct 18 04:11:00 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	28491	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	14940	0.987	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	15511	1.040	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	166261	10.595	ug/l	100
3) Chloromethane	1.515	50	155130	10.391	ug/l	100
4) Vinyl Chloride	1.599	62	165397	10.787	ug/l	100
5) Bromomethane	1.853	94	101502	10.535	ug/l	99
6) Chloroethane	1.930	64	110732	10.777	ug/l	100
7) Trichlorofluoromethane	2.133	101	233468	10.704	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	115145	10.618	ug/l	98
9) 1,1-Dichloroethene	2.573	96	121886	10.782	ug/l	98
10) Iodomethane	2.715	142	156976	9.809	ug/l	100
11) Allyl Chloride	2.917	41	153117	10.516	ug/l	98
12) Acrylonitrile	3.319	53	49406	21.731	ug/l	97
13) Acetone	2.647	43	109600	36.961	ug/l	99
14) Carbon Disulfide	2.785	76	409398	10.511	ug/l	100
15) Methylene Chloride	3.036	84	141111	9.646	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	141686	10.688	ug/l	99
17) 1,1-Dichloroethane	3.856	63	254757	10.838	ug/l	100
18) 2-Butanone	4.708	43	163089	44.920	ug/l	100
19) Cyclohexane	5.377	56	224664m	10.670	ug/l	
20) Methylcyclohexane	6.753	83	249800	10.641	ug/l	99
21) 2,2-Dichloropropane	4.654	77	211963	9.775	ug/l	99
22) cis-1,2-Dichloroethene	4.657	96	155882	10.793	ug/l	99
23) Diethyl Ether	2.371	59	93126	10.602	ug/l	97
24) tert-Butyl Alcohol	3.261	59	88856	96.950	ug/l #	81
25) Methyl tert-Butyl Ether	3.355	73	330396	10.910	ug/l	99
26) Bromochloromethane	4.962	128	64964	10.757	ug/l	99
27) Chloroform	5.075	83	265500	10.771	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	232769	10.711	ug/l	99
29) 1,1-Dichloropropene	5.515	75	206767	10.763	ug/l	99
30) Carbon Tetrachloride	5.515	117	204478	10.844	ug/l	100
31) Isopropyl Ether	3.978	45	367096	10.946	ug/l	100
32) Ethyl-t-butyl ether	4.490	59	377354	10.944	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	342991	11.052	ug/l	99
34) Propionitrile	4.792	54	49638	57.307	ug/l	98
35) Benzene	5.763	78	591856	10.944	ug/l	99
36) 1,2-Dichloroethane	5.782	62	167951	10.999	ug/l	100
37) Trichloroethene	6.534	130	154628	10.712	ug/l	100
38) 1,2-Dichloropropane	6.779	63	149736	10.931	ug/l	99
39) Methacrylonitrile	4.965	41	37139	11.906	ug/l	96
40) Methyl acrylate	4.843	55	69571	10.997	ug/l	98
41) Tetrahydrofuran	5.055	42	40166	21.438	ug/l	98
42) 1-Chlorobutane	5.448	56	268562	10.899	ug/l	99
43) Dibromomethane	6.911	93	77023	10.844	ug/l	98
44) Bromodichloromethane	7.094	83	189885	10.994	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	389916	54.688	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	63968m	22.501	ug/l	
47) Methyl methacrylate	6.952	69	141054	22.851	ug/l	99
48) Ethyl methacrylate	8.325	69	149778	11.379	ug/l	99
49) Toluene	7.959	92	374376	10.958	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	182390	10.953	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	224276	10.977	ug/l	99
52) 1,1,2-Trichloroethane	8.390	97	104200	10.878	ug/l	99
53) 1,3-Dichloropropane	8.567	76	184845	10.986	ug/l	99
54) 2-Hexanone	8.676	43	274068	46.792	ug/l	100
55) Dibromochloromethane	8.798	129	128340	11.349	ug/l	99
56) 1,2-Dibromoethane	8.914	107	100431	10.927	ug/l	97
58) Tetrachloroethene	8.544	164	130306	10.646	ug/l	98
59) Chlorobenzene	9.438	112	400371	10.879	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	138223	11.132	ug/l	99
61) Pentachloroethane	11.419	117	107597	11.324	ug/l	99
62) Hexachloroethane	12.467	117	112450	11.487	ug/l	100
63) Ethyl Benzene	9.560	91	718804	10.902	ug/l	100
64) m/p-Xylenes	9.685	106	549718	21.907	ug/l	100
65) o-Xylene	10.091	106	269352	10.898	ug/l	99
66) Styrene	10.107	104	435524	11.330	ug/l	99
67) Bromoform	10.280	173	67481	11.396	ug/l	97
69) Isopropylbenzene	10.476	105	639144	10.871	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	130454	11.212	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	106198m	11.208	ug/l	
72) Bromobenzene	10.772	156	153425	10.852	ug/l	99
73) n-propylbenzene	10.898	120	189256	11.031	ug/l	99
74) 2-Chlorotoluene	10.978	126	162817	10.972	ug/l	98
75) 1,3,5-Trimethylbenzene	11.078	105	588256	11.097	ug/l	99
76) 4-Chlorotoluene	11.087	126	166293	11.026	ug/l	100
77) tert-Butylbenzene	11.412	119	575465	10.982	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	589272	11.010	ug/l	99
79) sec-Butylbenzene	11.634	105	756876	11.091	ug/l	100
80) Nitrobenzene	13.203	77	14973m	45.413	ug/l	
81) p-Isopropyltoluene	11.785	119	621572	11.002	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	298945	11.021	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	298934	11.053	ug/l	99
84) n-Butylbenzene	12.200	91	576455	10.998	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	280825	11.074	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.988	75	21357	12.371	ug/l	98
87) 1,2,4-Trichlorobenzene	13.830	180	167234	11.531	ug/l	100
88) Hexachlorobutadiene	14.010	225	88639	10.809	ug/l	99
89) Naphthalene	14.078	128	303052	11.841	ug/l	99
90) 1,2,3-Trichlorobenzene	14.319	180	150378	11.541	ug/l	99

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

