

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
 Data File : VU061176.D
 Acq On : 21 Oct 2024 16:55
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 22 01:23:16 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	26349	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	14332	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	14704	1.066	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	146364	10.086	ug/l	100
3) Chloromethane	1.515	50	139532	10.106	ug/l	99
4) Vinyl Chloride	1.599	62	145945	10.292	ug/l	100
5) Bromomethane	1.853	94	89088	9.999	ug/l	98
6) Chloroethane	1.930	64	96938	10.202	ug/l	99
7) Trichlorofluoromethane	2.133	101	205036	10.165	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	102378	10.208	ug/l	97
9) 1,1-Dichloroethene	2.573	96	107309	10.264	ug/l	97
10) Iodomethane	2.715	142	136228	9.253	ug/l	100
11) Allyl Chloride	2.917	41	134665	10.000	ug/l	98
12) Acrylonitrile	3.319	53	46030	21.892	ug/l	99
13) Acetone	2.647	43	130698	47.660	ug/l	99
14) Carbon Disulfide	2.785	76	355074	9.857	ug/l	100
15) Methylene Chloride	3.036	84	127069	9.392	ug/l	97
16) trans-1,2-Dichloroethene	3.345	96	125343	10.224	ug/l	97
17) 1,1-Dichloroethane	3.859	63	226581	10.423	ug/l	99
18) 2-Butanone	4.708	43	167243	49.809	ug/l	99
19) Cyclohexane	5.380	56	193750m	9.950	ug/l	
20) Methylcyclohexane	6.756	83	220529	10.158	ug/l	99
21) 2,2-Dichloropropane	4.653	77	194869	9.717	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	138322	10.356	ug/l	99
23) Diethyl Ether	2.371	59	83280	10.252	ug/l	99
24) tert-Butyl Alcohol	3.245	59	85704	101.113	ug/l #	85
25) Methyl tert-Butyl Ether	3.354	73	292141	10.431	ug/l	99
26) Bromochloromethane	4.962	128	59294	10.616	ug/l	96
27) Chloroform	5.078	83	234165	10.272	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	207014	10.300	ug/l	100
29) 1,1-Dichloropropene	5.518	75	182536	10.274	ug/l	99
30) Carbon Tetrachloride	5.515	117	182626	10.473	ug/l	99
31) Isopropyl Ether	3.981	45	318553	10.271	ug/l	99
32) Ethyl-t-butyl ether	4.493	59	329077	10.320	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	308510	10.749	ug/l	100
34) Propionitrile	4.792	54	44801	55.927	ug/l	98
35) Benzene	5.763	78	522594	10.449	ug/l	99
36) 1,2-Dichloroethane	5.785	62	148641	10.526	ug/l	99
37) Trichloroethene	6.534	130	138999	10.412	ug/l	98
38) 1,2-Dichloropropane	6.782	63	133775	10.560	ug/l	100
39) Methacrylonitrile	4.968	41	33958	11.771	ug/l	95
40) Methyl acrylate	4.843	55	65114	11.130	ug/l	99
41) Tetrahydrofuran	5.055	42	36443	21.033	ug/l	98
42) 1-Chlorobutane	5.448	56	233654	10.253	ug/l	98
43) Dibromomethane	6.911	93	70540	10.739	ug/l	98
44) Bromodichloromethane	7.097	83	168529	10.551	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	352189	53.412	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	58917m	22.409	ug/l	
47) Methyl methacrylate	6.952	69	127500	22.334	ug/l	98
48) Ethyl methacrylate	8.325	69	133520	10.969	ug/l	100
49) Toluene	7.962	92	333872	10.567	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	166289	10.798	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	199622	10.564	ug/l	99
52) 1,1,2-Trichloroethane	8.390	97	96163	10.855	ug/l	98
53) 1,3-Dichloropropane	8.566	76	168382	10.821	ug/l	98
54) 2-Hexanone	8.676	43	267435	49.371	ug/l	99
55) Dibromochloromethane	8.801	129	114530	10.951	ug/l	99
56) 1,2-Dibromoethane	8.917	107	91660	10.784	ug/l	99
58) Tetrachloroethene	8.544	164	118760	10.492	ug/l	98
59) Chlorobenzene	9.438	112	362386	10.647	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	125141	10.898	ug/l	99
61) Pentachloroethane	11.418	117	97201	11.062	ug/l	100
62) Hexachloroethane	12.467	117	101118	11.169	ug/l	97
63) Ethyl Benzene	9.560	91	639848	10.494	ug/l	99
64) m/p-Xylenes	9.685	106	495292	21.343	ug/l	100
65) o-Xylene	10.090	106	241659	10.573	ug/l	99
66) Styrene	10.107	104	389829	10.965	ug/l	99
67) Bromoform	10.280	173	62105	11.340	ug/l	98
69) Isopropylbenzene	10.476	105	580797	10.681	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	118689	11.030	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	85265m	9.730	ug/l	
72) Bromobenzene	10.772	156	138565	10.598	ug/l	99
73) n-propylbenzene	10.898	120	173690	10.947	ug/l	97
74) 2-Chlorotoluene	10.978	126	148168	10.797	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	526506	10.739	ug/l	100
76) 4-Chlorotoluene	11.087	126	151589	10.868	ug/l	99
77) tert-Butylbenzene	11.412	119	523350	10.800	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	534611	10.801	ug/l	99
79) sec-Butylbenzene	11.634	105	693524	10.989	ug/l	100
80) Nitrobenzene	13.206	77	15064m	49.004	ug/l	
81) p-Isopropyltoluene	11.785	119	566824	10.849	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	274139	10.928	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	273086	10.918	ug/l	100
84) n-Butylbenzene	12.200	91	530522	10.944	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	256477	10.936	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	19048	11.930	ug/l	97
87) 1,2,4-Trichlorobenzene	13.830	180	151942	11.328	ug/l	99
88) Hexachlorobutadiene	14.010	225	83101	10.957	ug/l	98
89) Naphthalene	14.077	128	267113	11.286	ug/l	100
90) 1,2,3-Trichlorobenzene	14.319	180	139363	11.565	ug/l	99

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

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