

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
 Data File : VU061171.D
 Acq On : 21 Oct 2024 14:53
 Operator : MD/SY
 Sample : P4368-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2024

Quant Time: Oct 22 01:36:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 22 01:35:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.110	96	26745	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14143	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13892	0.992	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	7659	0.520	ug/l	97
3) Chloromethane	1.518	50	8781	0.627	ug/l	97
4) Vinyl Chloride	1.599	62	7531	0.523	ug/l	94
5) Bromomethane	1.853	94	5421	0.599	ug/l	98
6) Chloroethane	1.927	64	6344	0.658	ug/l	91
7) Trichlorofluoromethane	2.126	101	12080	0.590	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	5543	0.545	ug/l	99
9) 1,1-Dichloroethene	2.570	96	5539	0.522	ug/l	92
10) Iodomethane	2.711	142	9768	0.774	ug/l	99
11) Allyl Chloride	2.917	41	6701	0.490	ug/l	96
12) Acrylonitrile	3.341	53	2269m	1.063	ug/l	
13) Acetone	2.650	43	7341	2.637	ug/l	97
14) Carbon Disulfide	2.782	76	18846	0.515	ug/l	97
15) Methylene Chloride	3.036	84	7202	0.524	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	6380	0.513	ug/l	96
17) 1,1-Dichloroethane	3.859	63	11267	0.511	ug/l	96
18) 2-Butanone	4.740	43	7659	2.247	ug/l	97
19) Cyclohexane	5.380	56	10256m	0.519	ug/l	
20) Methylcyclohexane	6.756	83	10994	0.499	ug/l	97
21) 2,2-Dichloropropane	4.653	77	10112	0.497	ug/l	# 79
22) cis-1,2-Dichloroethene	4.666	96	7272	0.536	ug/l	96
23) Diethyl Ether	2.370	59	4288	0.520	ug/l	# 89
24) tert-Butyl Alcohol	3.271	59	4372m	5.082	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	14788	0.520	ug/l	96
26) Bromochloromethane	4.968	128	2885	0.509	ug/l	95
27) Chloroform	5.081	83	12244	0.529	ug/l	94
28) 1,1,1-Trichloroethane	5.309	97	10326	0.506	ug/l	99
29) 1,1-Dichloropropene	5.521	75	9234	0.512	ug/l	100
30) Carbon Tetrachloride	5.518	117	8959	0.506	ug/l	97
31) Isopropyl Ether	3.984	45	16187	0.514	ug/l	96
32) Ethyl-t-butyl ether	4.492	59	15767	0.487	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	15086	0.518	ug/l	98
34) Propionitrile	4.824	54	2186m	2.688	ug/l	
35) Benzene	5.769	78	26164	0.515	ug/l	98
36) 1,2-Dichloroethane	5.795	62	7501	0.523	ug/l	96
37) Trichloroethene	6.537	130	6831	0.504	ug/l	93
38) 1,2-Dichloropropane	6.785	63	6559	0.510	ug/l	96
39) Methacrylonitrile	4.997	41	1534m	0.524	ug/l	
40) Methyl acrylate	4.894	55	3332m	0.561	ug/l	
41) Tetrahydrofuran	5.071	42	1803m	1.025	ug/l	
42) 1-Chlorobutane	5.454	56	10875	0.470	ug/l	94
43) Dibromomethane	6.917	93	3384	0.508	ug/l	93
44) Bromodichloromethane	7.100	83	8092	0.499	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	17464	2.609	ug/l	97
46) t-1,4-Dichloro-2-butene	10.839	75	2844m	1.066	ug/l	
47) Methyl methacrylate	6.965	69	5375	0.928	ug/l	90
48) Ethyl methacrylate	8.335	69	5841	0.473	ug/l	96
49) Toluene	7.965	92	17162	0.535	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	7387	0.473	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	9748	0.508	ug/l #	91
52) 1,1,2-Trichloroethane	8.393	97	4690	0.522	ug/l	95
53) 1,3-Dichloropropane	8.569	76	8102	0.513	ug/l	95
54) 2-Hexanone	8.695	43	13369	2.432	ug/l	97
55) Dibromochloromethane	8.804	129	5242	0.494	ug/l	99
56) 1,2-Dibromoethane	8.920	107	4423	0.513	ug/l	97
58) Tetrachloroethene	8.547	164	6156	0.536	ug/l	95
59) Chlorobenzene	9.444	112	17877	0.517	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	5758	0.494	ug/l	96
61) Pentachloroethane	11.421	117	4131	0.463	ug/l	93
62) Hexachloroethane	12.466	117	4348	0.473	ug/l	96
63) Ethyl Benzene	9.566	91	31724	0.513	ug/l	98
64) m/p-Xylenes	9.688	106	23144	0.983	ug/l	100
65) o-Xylene	10.097	106	12180	0.525	ug/l	99
66) Styrene	10.116	104	16984	0.471	ug/l	100
67) Bromoform	10.290	173	2498	0.449	ug/l #	96
69) Isopropylbenzene	10.479	105	26493	0.480	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	5630	0.515	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	4272m	0.480	ug/l	
72) Bromobenzene	10.782	156	6434	0.485	ug/l	82
73) n-propylbenzene	10.901	120	7724	0.480	ug/l	100
74) 2-Chlorotoluene	10.984	126	6883	0.494	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	24559	0.494	ug/l	100
76) 4-Chlorotoluene	11.097	126	6930	0.489	ug/l	97
77) tert-Butylbenzene	11.412	119	24386	0.496	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	24431	0.486	ug/l	98
79) sec-Butylbenzene	11.637	105	31393	0.490	ug/l	98
80) Nitrobenzene	13.235	77	615m	2.573	ug/l	
81) p-Isopropyltoluene	11.788	119	25852	0.487	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	12662	0.497	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	13104	0.516	ug/l	98
84) n-Butylbenzene	12.203	91	24897	0.506	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	13218	0.555	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.000	75	756	0.466	ug/l	91
87) 1,2,4-Trichlorobenzene	13.843	180	7830	0.575	ug/l	99
88) Hexachlorobutadiene	14.016	225	4125	0.536	ug/l	97
89) Naphthalene	14.093	128	15019	0.625	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	7756	0.634	ug/l	98

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

