

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061151.D
 Acq On : 17 Oct 2024 19:07
 Operator : MD/SY
 Sample : P4368-07 0.6PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Quant Time: Oct 18 04:26:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 04:25:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.110	96	27739	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13057	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	12932	0.890	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4494	0.294	ug/l	99
3) Chloromethane	1.515	50	4968	0.342	ug/l	94
4) Vinyl Chloride	1.599	62	4678	0.313	ug/l	94
5) Bromomethane	1.853	94	2782	0.297	ug/l	93
6) Chloroethane	1.930	64	3152	0.315	ug/l	96
7) Trichlorofluoromethane	2.132	101	6417	0.302	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	3274	0.310	ug/l	99
9) 1,1-Dichloroethene	2.576	96	3545	0.322	ug/l	95
10) Iodomethane	2.714	142	3870	0.295	ug/l	91
11) Allyl Chloride	2.920	41	4300	0.303	ug/l	92
12) Acrylonitrile	3.358	53	1297m	0.586	ug/l	
13) Acetone	2.666	43	4021	1.393	ug/l	# 77
14) Carbon Disulfide	2.788	76	12062	0.318	ug/l	98
15) Methylene Chloride	3.039	84	5258	0.369	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	3890	0.301	ug/l	91
17) 1,1-Dichloroethane	3.862	63	7114	0.311	ug/l	96
18) 2-Butanone	4.785	43	5223m	1.478	ug/l	
19) Cyclohexane	5.380	56	6227m	0.304	ug/l	
20) Methylcyclohexane	6.753	83	6213	0.272	ug/l	94
21) 2,2-Dichloropropane	4.657	77	6345	0.301	ug/l	95
22) cis-1,2-Dichloroethene	4.669	96	4393	0.312	ug/l	98
23) Diethyl Ether	2.374	59	2411	0.282	ug/l	# 76
24) tert-Butyl Alcohol	3.280	59	2621m	2.937	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	9305	0.316	ug/l	93
26) Bromochloromethane	4.968	128	1746	0.297	ug/l	94
27) Chloroform	5.081	83	8010	0.334	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	6792	0.321	ug/l	95
29) 1,1-Dichloropropene	5.525	75	5656	0.302	ug/l	99
30) Carbon Tetrachloride	5.515	117	5255	0.286	ug/l	97
31) Isopropyl Ether	3.988	45	9965	0.305	ug/l	100
32) Ethyl-t-butyl ether	4.493	59	10377	0.309	ug/l	97
33) Tert-Amyl methyl ether	5.933	73	9667	0.320	ug/l	# 91
34) Propionitrile	4.849	54	901m	1.068	ug/l	
35) Benzene	5.772	78	16164	0.307	ug/l	97
36) 1,2-Dichloroethane	5.795	62	4743	0.319	ug/l	# 85
37) Trichloroethene	6.537	130	4577	0.326	ug/l	91
38) 1,2-Dichloropropane	6.782	63	3758	0.282	ug/l	91
39) Methacrylonitrile	5.001	41	781	0.257	ug/l	# 48
40) Methyl acrylate	4.943	55	1709m	0.277	ug/l	
41) Tetrahydrofuran	5.074	42	1172	0.643	ug/l	# 61
42) 1-Chlorobutane	5.457	56	7410	0.309	ug/l	98
43) Dibromomethane	6.917	93	2298	0.332	ug/l	# 81
44) Bromodichloromethane	7.100	83	5204	0.309	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	10353	1.491	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	1898m	0.686	ug/l	
47) Methyl methacrylate	6.975	69	3273	0.545	ug/l #	90
48) Ethyl methacrylate	8.338	69	3556	0.277	ug/l	93
49) Toluene	7.965	92	10552	0.317	ug/l	94
50) t-1,3-Dichloropropene	8.213	75	4716	0.291	ug/l	97
51) cis-1,3-Dichloropropene	7.608	75	5665	0.285	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	2875	0.308	ug/l	94
53) 1,3-Dichloropropane	8.570	76	5263	0.321	ug/l	98
54) 2-Hexanone	8.695	43	7177	1.259	ug/l	86
55) Dibromochloromethane	8.804	129	3190	0.290	ug/l	99
56) 1,2-Dibromoethane	8.920	107	2655	0.297	ug/l	92
58) Tetrachloroethene	8.547	164	3606	0.303	ug/l	96
59) Chlorobenzene	9.444	112	11348	0.317	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	3806	0.315	ug/l	95
61) Pentachloroethane	11.418	117	2496	0.270	ug/l	99
62) Hexachloroethane	12.470	117	2448	0.257	ug/l	99
63) Ethyl Benzene	9.566	91	19028	0.296	ug/l	98
64) m/p-Xylenes	9.688	106	14007	0.573	ug/l	94
65) o-Xylene	10.097	106	7289	0.303	ug/l	99
66) Styrene	10.116	104	11115	0.297	ug/l	96
67) Bromoform	10.283	173	1722	0.299	ug/l #	87
69) Isopropylbenzene	10.479	105	16976	0.297	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	3446	0.304	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	2725m	0.295	ug/l	
72) Bromobenzene	10.782	156	4002	0.291	ug/l	84
73) n-propylbenzene	10.901	120	4731	0.283	ug/l	99
74) 2-Chlorotoluene	10.981	126	4106	0.284	ug/l	86
75) 1,3,5-Trimethylbenzene	11.081	105	14188	0.275	ug/l	98
76) 4-Chlorotoluene	11.097	126	4078	0.278	ug/l	86
77) tert-Butylbenzene	11.412	119	14854	0.291	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	14424	0.277	ug/l	97
79) sec-Butylbenzene	11.637	105	18059	0.272	ug/l	99
81) p-Isopropyltoluene	11.788	119	13997	0.254	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	7627	0.289	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	8186	0.311	ug/l	97
84) n-Butylbenzene	12.206	91	12592	0.247	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	7461	0.302	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	493	0.293	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.843	180	3557	0.252	ug/l	95
88) Hexachlorobutadiene	14.010	225	2120	0.266	ug/l	97
89) Naphthalene	14.100	128	7429	0.298	ug/l #	87
90) 1,2,3-Trichlorobenzene	14.328	180	3545	0.279	ug/l	97

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

