Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
Data File : VU061143.D
Acq On : 17 Oct 2024 12:37
Operator : MD/SY
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 18 02:35:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 18 02:32:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

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	28752	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15552	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
68) 1,2-Dichlorobenzene-d4	12.184	152	15382	1.022	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	81401	5.140	ug/l	99
3) Chloromethane	1.515	50	76422	5.073	ug/l	98
4) Vinyl Chloride	1.602	62	80939	5.231	ug/l	99
5) Bromomethane	1.853	94	49884	5.131	ug/l	95
6) Chloroethane	1.930	64	52564	5.069	ug/l	98
7) Trichlorofluoromethane	2.133	101	109979	4.997	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	56471	5.160	ug/l	98
9) 1,1-Dichloroethene	2.573	96	58976	5.170	ug/l	97
10) Iodomethane	2.715	142	68382	4.677	ug/l	99
11) Allyl Chloride	2.917	41	74966	5.102	ug/l	98
12) Acrylonitrile	3.322	53	24328	10.599	ug/l	98
13) Acetone	2.647	43	70746	23.642	ug/l	99
14) Carbon Disulfide	2.789	76	199696	5.080	ug/l	99
15) Methylene Chloride	3.039	84	72011	4.878	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	68876	5.148	ug/l	100
17) 1,1-Dichloroethane	3.859	63	123136	5.191	ug/l	100
18) 2-Butanone	4.708	43	89461	25.119	ug/l	100
19) Cyclohexane	5.377	56	109550m	5.156	ug/l	
20) Methylcyclohexane	6.753	83	124273	5.246	ug/l	99
21) 2,2-Dichloropropane	4.653	77	110151	5.034	ug/l	99
22) cis-1,2-Dichloroethene	4.657	96	76193	5.228	ug/l	98
23) Diethyl Ether	2.371	59	44590	5.030	ug/l	99
24) tert-Butyl Alcohol	3.245	59	46628m	50.524	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	157581	5.156	ug/l	99
26) Bromochloromethane	4.965	128	31650	5.193	ug/l	98
27) Chloroform	5.078	83	127147	5.112	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	111810	5.098	ug/l	99
29) 1,1-Dichloropropene	5.518	75	101163	5.218	ug/l	99
30) Carbon Tetrachloride	5.515	117	98369	5.170	ug/l	99
31) Isopropyl Ether	3.981	45	172909	5.109	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	182858	5.255	ug/l	100
33) Tert-Amyl methyl ether	5.930	73	165363	5.280	ug/l	99
34) Propionitrile	4.792	54	23701	26.896	ug/l	98
35) Benzene	5.766	78	281789	5.163	ug/l	99
36) 1,2-Dichloroethane	5.785	62	80840	5.246	ug/l	99
37) Trichloroethene	6.534	130	75108	5.156	ug/l	97
38) 1,2-Dichloropropane	6.782	63	71978	5.207	ug/l	96
39) Methacrylonitrile	4.972	41	17601	5.591	ug/l	98
40) Methyl acrylate	4.846	55	34632m	5.474	ug/l	
41) Tetrahydrofuran	5.059	42	19213	10.270	ug/l	96
42) 1-Chlorobutane	5.448	56	131738	5.298	ug/l	97
43) Dibromomethane	6.911	93	37950	5.295	ug/l	96
44) Bromodichloromethane	7.097	83	89810	5.153	ug/l	100

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	186260	25.887	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	29939m	10.057	ug/l	
47) Methyl methacrylate	6.952	69	64898	10.418	ug/l	98
48) Ethyl methacrylate	8.325	69	70921	5.339	ug/l	100
49) Toluene	7.959	92	179100	5.195	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	86276	5.134	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	108044	5.240	ug/l	100
52) 1,1,2-Trichloroethane	8.390	97	51011	5.277	ug/l	98
53) 1,3-Dichloropropane	8.566	76	87476	5.152	ug/l	99
54) 2-Hexanone	8.679	43	146991	24.868	ug/l	98
55) Dibromochloromethane	8.801	129	60121	5.268	ug/l	100
56) 1,2-Dibromoethane	8.914	107	48604	5.240	ug/l	99
58) Tetrachloroethene	8.544	164	64579	5.228	ug/l	99
59) Chlorobenzene	9.438	112	190693	5.135	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.525	131	65276	5.210	ug/l	99
61) Pentachloroethane	11.418	117	49741	5.188	ug/l	99
62) Hexachloroethane	12.467	117	50636	5.125	ug/l	100
63) Ethyl Benzene	9.560	91	345967	5.200	ug/l	100
64) m/p-Xylenes	9.685	106	262209	10.355	ug/l	99
65) o-Xylene	10.090	106	128969	5.171	ug/l	98
66) Styrene	10.107	104	204583	5.274	ug/l	99
67) Bromoform	10.280	173	31268	5.232	ug/l	98
69) Isopropylbenzene	10.476	105	308196	5.194	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	61066	5.201	ug/l	100
71) 1,2,3-Trichloropropane	10.814	75	43697m	4.531	ug/l	
72) Bromobenzene	10.772	156	73543	5.155	ug/l	99
73) n-propylbenzene	10.898	120	89885	5.191	ug/l	99
74) 2-Chlorotoluene	10.978	126	78487	5.241	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	279445	5.224	ug/l	99
76) 4-Chlorotoluene	11.087	126	78299	5.145	ug/l	97
77) tert-Butylbenzene	11.409	119	272278	5.149	ug/l	99
78) 1,2,4-Trimethylbenzene	11.457	105	278894	5.164	ug/l	99
79) sec-Butylbenzene	11.634	105	358818	5.210	ug/l	99
80) Nitrobenzene	13.209	77	6880m	22.786	ug/l	
81) p-Isopropyltoluene	11.785	119	295906	5.190	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	141359	5.164	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	141976	5.202	ug/l	100
84) n-Butylbenzene	12.200	91	275302	5.205	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	130443	5.097	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	9351	5.367	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	77540	5.298	ug/l	98
88) Hexachlorobutadiene	14.010	225	42899	5.184	ug/l	98
89) Naphthalene	14.081	128	132828	5.143	ug/l	100
90) 1,2,3-Trichlorobenzene	14.319	180	67578	5.139	ug/l	98

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

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