Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
Data File : VU050438.D
Acq On : 25 Aug 2022 09:33
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Quant Time: Aug 26 06:32:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	41713	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	19748	1.390	ug/l	0.00
Spiked Amount 1.000			Recovery = 139.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	17010	1.013	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	148963	8.622	ug/l	100
3) Chloromethane	1.517	50	188396	8.965	ug/l	99
4) Vinyl Chloride	1.604	62	162160	9.030	ug/l	99
5) Bromomethane	1.851	94	67678	9.210	ug/l	97
6) Chloroethane	1.932	64	99135	9.128	ug/l	99
7) Trichlorofluoromethane	2.138	101	196727	8.780	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	112321	8.963	ug/l	96
9) 1,1-Dichloroethene	2.581	96	110602	9.003	ug/l	98
10) Iodomethane	2.720	142	109484	10.808	ug/l	96
11) Allyl Chloride	2.922	41	180671	9.541	ug/l	95
12) Acrylonitrile	3.318	53	77702	21.088	ug/l #	92
13) Acetone	2.630	43	116748	45.305	ug/l	93
14) Carbon Disulfide	2.790	76	319708	8.401	ug/l	99
15) Methylene Chloride	3.044	84	146303	8.802	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	121074	9.536	ug/l	96
17) 1,1-Dichloroethane	3.864	63	254533	9.625	ug/l	99
18) 2-Butanone	4.723	43	204059	50.346	ug/l	99
19) Cyclohexane	5.382	56	157698m	8.217	ug/l	
20) Methylcyclohexane	6.761	83	168760	11.156	ug/l	98
21) 2,2-Dichloropropane	4.662	77	171403	8.528	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	141370	9.842	ug/l	97
23) Diethyl Ether	2.379	59	105448	9.992	ug/l	98
24) tert-Butyl Alcohol	3.199	59	127837	95.712	ug/l	97
25) Methyl tert-Butyl Ether	3.369	73	330683	10.133	ug/l	95
26) Bromochloromethane	4.973	128	66706	11.574	ug/l	93
27) Chloroform	5.086	83	249813	9.748	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	192053	8.783	ug/l	98
29) 1,1-Dichloropropene	5.523	75	163653	9.342	ug/l	100
30) Carbon Tetrachloride	5.520	117	158073	9.030	ug/l	98
31) Isopropyl Ether	4.002	45	410504	10.005	ug/l	98
32) Ethyl-t-butyl ether	4.514	59	285440	8.855	ug/l	98
33) Tert-Amyl methyl ether	5.951	73	240759	11.457	ug/l	99
34) Propionitrile	4.790	54	67617	56.479	ug/l #	95
35) Benzene	5.771	78	528585	10.265	ug/l	99
36) 1,2-Dichloroethane	5.797	62	155705	9.904	ug/l	99
37) Trichloroethene	6.543	130	124680	10.101	ug/l	100
38) 1,2-Dichloropropane	6.793	63	146246	10.581	ug/l	100
39) Methacrylonitrile	4.983	41	44099	8.977	ug/l	92
40) Methyl acrylate	4.855	55	76783	10.261	ug/l	99
41) Tetrahydrofuran	5.073	42	48092	19.552	ug/l	95
42) 1-Chlorobutane	5.456	56	227643	9.126	ug/l	95
43) Dibromomethane	6.919	93	77240	10.367	ug/l	97
44) Bromodichloromethane	7.108	83	182565	10.384	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	457468	61.170	ug/l		98
46) t-1,4-Dichloro-2-butene	10.832	75	77883m	17.505	ug/l		
47) Methyl methacrylate	6.967	69	141546	20.253	ug/l		92
48) Ethyl methacrylate	8.337	69	126334	9.999	ug/l		93
49) Toluene	7.970	92	322004	11.639	ug/l		98
50) t-1,3-Dichloropropene	8.211	75	159920	11.682	ug/l		98
51) cis-1,3-Dichloropropene	7.610	75	184179	11.752	ug/l		94
52) 1,1,2-Trichloroethane	8.401	97	112964	10.316	ug/l		98
53) 1,3-Dichloropropane	8.578	76	189908	11.013	ug/l		100
54) 2-Hexanone	8.690	43	320751	61.585	ug/l		99
55) Dibromochloromethane	8.809	129	126282	10.484	ug/l		99
56) 1,2-Dibromoethane	8.925	107	103021	10.475	ug/l		100
58) Tetrachloroethene	8.552	164	111451	9.595	ug/l		97
59) Chlorobenzene	9.446	112	337192	11.295	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	126498	10.081	ug/l		97
61) Pentachloroethane	11.427	117	106543	10.203	ug/l		96
62) Hexachloroethane	12.475	117	94244	10.849	ug/l		100
63) Ethyl Benzene	9.571	91	582037	9.656	ug/l		100
64) m/p-Xylenes	9.694	106	462654	19.333	ug/l		99
65) o-Xylene	10.102	106	219699	9.849	ug/l		97
66) Styrene	10.115	104	386899	9.740	ug/l		97
67) Bromoform	10.292	173	73947	10.810	ug/l		99
69) Isopropylbenzene	10.485	105	567910	9.644	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.784	83	159027	10.553	ug/l		99
71) 1,2,3-Trichloropropane	10.825	75	108678m	9.590	ug/l		
72) Bromobenzene	10.784	156	142869	11.085	ug/l		97
73) n-propylbenzene	10.906	120	150735	9.197	ug/l		98
74) 2-Chlorotoluene	10.986	126	141870	9.527	ug/l		99
75) 1,3,5-Trimethylbenzene	11.089	105	515718	9.784	ug/l		99
76) 4-Chlorotoluene	11.099	126	141961	9.156	ug/l		89
77) tert-Butylbenzene	11.420	119	477835	9.635	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	528532	9.599	ug/l		98
79) sec-Butylbenzene	11.645	105	627683	9.271	ug/l		100
80) Nitrobenzene	13.211	77	42371	51.829	ug/l	#	99
81) p-Isopropyltoluene	11.793	119	513888	9.294	ug/l		99
82) 1,3-Dichlorobenzene	11.745	146	281317	10.600	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	290003	10.992	ug/l		98
84) n-Butylbenzene	12.208	91	433995	8.623	ug/l		97
85) 1,2-Dichlorobenzene	12.211	146	284231	10.894	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	25299	10.639	ug/l		95
87) 1,2,4-Trichlorobenzene	13.841	180	158849	10.671	ug/l		99
88) Hexachlorobutadiene	14.021	225	94004	9.703	ug/l		99
89) Naphthalene	14.089	128	351281	8.827	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	169666	8.880	ug/l		99

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

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