Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
Data File : VU051422.D
Acq On : 14 Oct 2022 13:24
Operator : JC/MD
Sample : VU1014WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 06:08:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 05 02:45:21 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU1014WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	53689	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	16684	0.946	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	19671	1.003	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	39804	2.256	ug/l	97
3) Chloromethane	1.533	50	52322	2.210	ug/l	100
4) Vinyl Chloride	1.604	62	51033	2.271	ug/l	100
5) Bromomethane	1.851	94	30441	2.128	ug/l	100
6) Chloroethane	1.932	64	29005	2.057	ug/l	98
7) Trichlorofluoromethane	2.137	101	56203	2.206	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	31032	2.117	ug/l	93
9) 1,1-Dichloroethene	2.578	96	31812	2.060	ug/l	97
10) Iodomethane	2.719	142	43042	1.911	ug/l	96
11) Allyl Chloride	2.919	41	45420	1.880	ug/l	92
12) Acrylonitrile	3.314	53	16773	3.474	ug/l	95
13) Acetone	2.626	43	28733	10.070	ug/l	94
14) Carbon Disulfide	2.787	76	115533	1.975	ug/l	100
15) Methylene Chloride	3.041	84	52350	2.148	ug/l	96
16) trans-1,2-Dichloroethene	3.346	96	36183	2.074	ug/l	97
17) 1,1-Dichloroethane	3.864	63	67201	2.210	ug/l	98
18) 2-Butanone	4.719	43	33489	8.280	ug/l	97
19) Cyclohexane	5.378	56	33531m	1.644	ug/l	
20) Methylcyclohexane	6.761	83	32068	1.571	ug/l	90
21) 2,2-Dichloropropane	4.661	77	45190	2.179	ug/l	97
22) cis-1,2-Dichloroethene	4.665	96	33501	2.000	ug/l	99
23) Diethyl Ether	2.375	59	26071	1.894	ug/l	95
24) tert-Butyl Alcohol	3.189	59	41996	64.642	ug/l #	88
25) Methyl tert-Butyl Ether	3.369	73	79464	1.936	ug/l	98
26) Bromochloromethane	4.973	128	15971	1.984	ug/l	96
27) Chloroform	5.086	83	66377	2.144	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	51995	2.122	ug/l	97
29) 1,1-Dichloropropene	5.523	75	34931	1.793	ug/l	98
30) Carbon Tetrachloride	5.520	117	44000	2.118	ug/l	94
31) Isopropyl Ether	3.999	45	70203	1.758	ug/l	74
32) Ethyl-t-butyl ether	4.507	59	60244	1.718	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	51262	1.636	ug/l	96
34) Propionitrile	4.784	54	13459	10.453	ug/l #	90
35) Benzene	5.774	78	128515	1.980	ug/l	93
36) 1,2-Dichloroethane	5.796	62	40821	2.004	ug/l	98
37) Trichloroethene	6.542	130	29504	1.868	ug/l	99
38) 1,2-Dichloropropane	6.790	63	36709	2.072	ug/l	99
39) Methacrylonitrile	4.986	41	7899	1.697	ug/l #	92
40) Methyl acrylate	4.858	55	11750	1.460	ug/l #	79
41) Tetrahydrofuran	5.067	42	7971	3.232	ug/l	94
42) 1-Chlorobutane	5.456	56	47693	1.754	ug/l	96
43) Dibromomethane	6.919	93	19369	2.036	ug/l	95
44) Bromodichloromethane	7.105	83	45489	2.048	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	75274	7.528	ug/l	96
46) t-1,4-Dichloro-2-butene	10.835	75	12477m	3.783	ug/l	
47) Methyl methacrylate	6.964	69	22750	2.989	ug/l	95
48) Ethyl methacrylate	8.333	69	19078	1.495	ug/l	99
49) Toluene	7.970	92	60666	1.722	ug/l	95
50) t-1,3-Dichloropropene	8.211	75	32775	1.835	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	39336	1.890	ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	26767	1.939	ug/l	99
53) 1,3-Dichloropropane	8.574	76	41539	1.895	ug/l	99
54) 2-Hexanone	8.687	43	51288	7.247	ug/l	92
55) Dibromochloromethane	8.809	129	29666	1.973	ug/l	99
56) 1,2-Dibromoethane	8.925	107	22576	1.827	ug/l	100
58) Tetrachloroethene	8.552	164	28101	1.760	ug/l	96
59) Chlorobenzene	9.446	112	68667	1.767	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.533	131	30810	2.021	ug/l	95
61) Pentachloroethane	11.426	117	24195	2.294	ug/l	91
62) Hexachloroethane	12.475	117	25638	2.106	ug/l	93
63) Ethyl Benzene	9.568	91	91694	1.537	ug/l	96
64) m/p-Xylenes	9.693	106	70961	3.238	ug/l	96
65) o-Xylene	10.099	106	36884	1.613	ug/l	96
66) Styrene	10.115	104	57402	1.660	ug/l	98
67) Bromoform	10.291	173	15165	1.747	ug/l	97
69) Isopropylbenzene	10.484	105	88362	1.692	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	35252	2.000	ug/l	98
71) 1,2,3-Trichloropropane	10.825	75	28795m	2.013	ug/l	
72) Bromobenzene	10.780	156	27138	1.752	ug/l	98
73) n-propylbenzene	10.906	120	24573	1.739	ug/l	97
74) 2-Chlorotoluene	10.986	126	25785	1.719	ug/l	91
75) 1,3,5-Trimethylbenzene	11.086	105	78220	1.664	ug/l	99
76) 4-Chlorotoluene	11.098	126	25164	1.722	ug/l	89
77) tert-Butylbenzene	11.420	119	80225	1.713	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	81875	1.684	ug/l	100
79) sec-Butylbenzene	11.642	105	105172	1.713	ug/l	99
80) Nitrobenzene	13.214	77	6874m	8.202	ug/l	
81) p-Isopropyltoluene	11.793	119	79831	1.707	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	59523	1.824	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	58694	1.824	ug/l	98
84) n-Butylbenzene	12.208	91	73556	1.747	ug/l	93
85) 1,2-Dichlorobenzene	12.211	146	56898	1.770	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	4745	1.746	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	24440	1.661	ug/l	98
88) Hexachlorobutadiene	14.018	225	20291	1.816	ug/l	98
89) Naphthalene	14.089	128	38981	1.250	ug/l	96
90) 1,2,3-Trichlorobenzene	14.330	180	24516	1.588	ug/l	98

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

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