Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
Data File : VU051102.D
Acq On : 04 Oct 2022 11:32
Operator : JC/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 05 02:00:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 05 01:58:18 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Krupa Patel 10/05/2022
Supervised By :Mahesh Dadoda 10/05/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	60074	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18856	0.855	ug/l	0.00
Spiked Amount 1.000			Recovery = 85.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	20805	1.001	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	20187	0.906	ug/l	98
3) Chloromethane	1.523	50	28302	1.186	ug/l	96
4) Vinyl Chloride	1.604	62	26489	1.208	ug/l	99
5) Bromomethane	1.861	94	17025	1.447	ug/l	99
6) Chloroethane	1.935	64	16265	1.301	ug/l	92
7) Trichlorofluoromethane	2.141	101	30583	1.179	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	17195	1.240	ug/l	95
9) 1,1-Dichloroethene	2.581	96	18141	1.289	ug/l	94
10) Iodomethane	2.726	142	23797	1.276	ug/l	93
11) Allyl Chloride	2.925	41	28872	1.222	ug/l	97
12) Acrylonitrile	3.324	53	11335	2.941	ug/l #	93
13) Acetone	2.658	43	16610	5.702	ug/l #	79
14) Carbon Disulfide	2.793	76	67526	1.425	ug/l	99
15) Methylene Chloride	3.047	84	38608	2.136	ug/l	90
16) trans-1,2-Dichloroethene	3.353	96	21440	1.438	ug/l	94
17) 1,1-Dichloroethane	3.871	63	36837	1.227	ug/l	99
18) 2-Butanone	4.745	43	19380	3.982	ug/l	96
19) Cyclohexane	5.385	56	21206m	0.763	ug/l	
20) Methylcyclohexane	6.764	83	19776	0.720	ug/l	95
21) 2,2-Dichloropropane	4.662	77	24764	1.039	ug/l	99
22) cis-1,2-Dichloroethene	4.668	96	18979	1.067	ug/l	97
23) Diethyl Ether	2.379	59	16773	1.386	ug/l	98
24) tert-Butyl Alcohol	3.301	59	8474m	6.909	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	48218	1.237	ug/l	96
26) Bromochloromethane	4.977	128	9405	1.233	ug/l	96
27) Chloroform	5.089	83	36461	1.225	ug/l	97
28) 1,1,1-Trichloroethane	5.314	97	28388	1.104	ug/l	96
29) 1,1-Dichloropropene	5.526	75	21160	0.922	ug/l	98
30) Carbon Tetrachloride	5.523	117	24251	1.123	ug/l	97
31) Isopropyl Ether	3.996	45	46210	0.931	ug/l	83
32) Ethyl-t-butyl ether	4.504	59	38049	0.816	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	32380	0.789	ug/l	98
34) Propionitrile	4.819	54	6381m	4.549	ug/l	
35) Benzene	5.777	78	73325	1.105	ug/l	98
36) 1,2-Dichloroethane	5.797	62	23394	1.222	ug/l	99
37) Trichloroethene	6.542	130	18027	1.083	ug/l	93
38) 1,2-Dichloropropane	6.793	63	19982	1.127	ug/l	97
39) Methacrylonitrile	4.993	41	4826	0.813	ug/l #	89
40) Methyl acrylate	4.867	55	6834	0.734	ug/l #	92
41) Tetrahydrofuran	5.076	42	5443	1.550	ug/l	94
42) 1-Chlorobutane	5.459	56	29649	0.923	ug/l	95
43) Dibromomethane	6.922	93	10723	1.206	ug/l	97
44) Bromodichloromethane	7.105	83	25613	1.213	ug/l	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	51309	4.391 ug/l	94
46) t-1,4-Dichloro-2-butene	10.838	75	5809m	1.536 ug/l	
47) Methyl methacrylate	6.967	69	15199	1.732 ug/l	89
48) Ethyl methacrylate	8.337	69	12274	0.715 ug/l	98
49) Toluene	7.970	92	36181	0.898 ug/l	94
50) t-1,3-Dichloropropene	8.214	75	18696	0.937 ug/l	99
51) cis-1,3-Dichloropropene	7.607	75	23646	1.006 ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	16423	1.332 ug/l	95
53) 1,3-Dichloropropane	8.578	76	24187	1.105 ug/l	97
54) 2-Hexanone	8.694	43	33732	4.139 ug/l	94
55) Dibromochloromethane	8.809	129	16881	1.215 ug/l	97
56) 1,2-Dibromoethane	8.925	107	13711	1.154 ug/l	97
58) Tetrachloroethene	8.552	164	18239	1.268 ug/l	94
59) Chlorobenzene	9.449	112	42030	0.997 ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.536	131	17027	1.132 ug/l	98
61) Pentachloroethane	11.423	117	11840	1.048 ug/l	87
62) Hexachloroethane	12.472	117	14084	1.206 ug/l	95
63) Ethyl Benzene	9.568	91	56968	0.759 ug/l	99
64) m/p-Xylenes	9.693	106	41405	1.466 ug/l	99
65) o-Xylene	10.099	106	22173	0.804 ug/l	96
66) Styrene	10.115	104	34946	0.782 ug/l	96
67) Bromoform	10.292	173	9868	1.237 ug/l	97
69) Isopropylbenzene	10.484	105	53242	0.732 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.780	83	19675	1.223 ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	16435m	1.228 ug/l	
72) Bromobenzene	10.780	156	16706	1.000 ug/l	98
73) n-propylbenzene	10.902	120	13927	0.747 ug/l	97
74) 2-Chlorotoluene	10.983	126	14727	0.880 ug/l	91
75) 1,3,5-Trimethylbenzene	11.086	105	43529	0.704 ug/l	99
76) 4-Chlorotoluene	11.099	126	14259	0.839 ug/l	89
77) tert-Butylbenzene	11.417	119	44208	0.737 ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	44666	0.714 ug/l	98
79) sec-Butylbenzene	11.642	105	59560	0.749 ug/l	100
80) Nitrobenzene	13.214	77	4701	6.936 ug/l #	84
81) p-Isopropyltoluene	11.793	119	43566	0.676 ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	34562	1.058 ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	30640	0.924 ug/l	97
84) n-Butylbenzene	12.208	91	41637	0.701 ug/l	94
85) 1,2-Dichlorobenzene	12.211	146	33802	1.059 ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	3190	1.157 ug/l #	84
87) 1,2,4-Trichlorobenzene	13.841	180	16078	0.793 ug/l	97
88) Hexachlorobutadiene	14.018	225	11667	1.080 ug/l	98
89) Naphthalene	14.089	128	32771	0.779 ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	17142	0.867 ug/l	96

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

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