Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
Data File : VU051429.D
Acq On : 17 Oct 2022 15:07
Operator : JC/MD
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 04:22:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:21:12 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/18/2022
Supervised By :Mahesh Dadoda 10/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	50787	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	15287	0.909	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	18085	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	13161	0.773	ug/l	100
3) Chloromethane	1.539	50	29466	1.275	ug/l	99
4) Vinyl Chloride	1.604	62	22938	1.058	ug/l #	50
5) Bromomethane	1.855	94	13435	0.982	ug/l	91
6) Chloroethane	1.932	64	12022	0.894	ug/l	94
7) Trichlorofluoromethane	2.141	101	24528	0.993	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	13295	0.946	ug/l	97
9) 1,1-Dichloroethene	2.578	96	15018	1.018	ug/l	89
10) Iodomethane	2.723	142	18700	0.892	ug/l	98
11) Allyl Chloride	2.922	41	22522	0.981	ug/l	96
12) Acrylonitrile	3.314	53	9300	2.004	ug/l	90
13) Acetone	2.626	43	15417	4.969	ug/l	94
14) Carbon Disulfide	2.790	76	52786	0.947	ug/l	98
15) Methylene Chloride	3.041	84	24137	0.950	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	17983	1.075	ug/l	98
17) 1,1-Dichloroethane	3.867	63	31171	1.064	ug/l	99
18) 2-Butanone	4.719	43	17826	4.400	ug/l	99
19) Cyclohexane	5.385	56	15688m	0.804	ug/l	
20) Methylcyclohexane	6.758	83	14800	0.753	ug/l	96
21) 2,2-Dichloropropane	4.661	77	20241	1.014	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	14962	0.931	ug/l	95
23) Diethyl Ether	2.379	59	12965	0.982	ug/l	99
24) tert-Butyl Alcohol	3.189	59	13372	17.527	ug/l	96
25) Methyl tert-Butyl Ether	3.369	73	37642	0.954	ug/l	97
26) Bromochloromethane	4.977	128	7474	0.966	ug/l	93
27) Chloroform	5.089	83	31445	1.056	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	24378	1.033	ug/l	99
29) 1,1-Dichloropropene	5.526	75	15834	0.844	ug/l	97
30) Carbon Tetrachloride	5.523	117	20251	1.010	ug/l	98
31) Isopropyl Ether	3.999	45	33421	0.882	ug/l	90
32) Ethyl-t-butyl ether	4.510	59	29682	0.882	ug/l	100
33) Tert-Amyl methyl ether	5.944	73	24592	0.818	ug/l	96
34) Propionitrile	4.787	54	5572	4.387	ug/l #	82
35) Benzene	5.774	78	59198	0.950	ug/l	99
36) 1,2-Dichloroethane	5.796	62	20406	1.044	ug/l	99
37) Trichloroethene	6.542	130	14285	0.946	ug/l	95
38) 1,2-Dichloropropane	6.790	63	16158	0.952	ug/l	97
39) Methacrylonitrile	4.983	41	3640	0.811	ug/l #	96
40) Methyl acrylate	4.861	55	6227	0.807	ug/l #	84
41) Tetrahydrofuran	5.073	42	3920	1.655	ug/l #	90
42) 1-Chlorobutane	5.456	56	22252	0.853	ug/l	96
43) Dibromomethane	6.919	93	9193	1.008	ug/l	93
44) Bromodichloromethane	7.105	83	21206	0.993	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	33586	3.481	ug/l		93
46) t-1,4-Dichloro-2-butene	10.828	75	8773m	2.575	ug/l		
47) Methyl methacrylate	6.964	69	10424	1.419	ug/l		94
48) Ethyl methacrylate	8.337	69	8724	0.708	ug/l		89
49) Toluene	7.970	92	28827	0.847	ug/l		98
50) t-1,3-Dichloropropene	8.211	75	15479	0.898	ug/l		96
51) cis-1,3-Dichloropropene	7.607	75	18305	0.911	ug/l		96
52) 1,1,2-Trichloroethane	8.401	97	12553	0.946	ug/l		97
53) 1,3-Dichloropropane	8.575	76	18914	0.894	ug/l		100
54) 2-Hexanone	8.687	43	22232	3.256	ug/l		91
55) Dibromochloromethane	8.809	129	13390	0.926	ug/l		100
56) 1,2-Dibromoethane	8.925	107	10708	0.905	ug/l		97
58) Tetrachloroethene	8.552	164	12170	0.817	ug/l		98
59) Chlorobenzene	9.446	112	34346	0.915	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	13922	0.953	ug/l		98
61) Pentachloroethane	11.426	117	12601	1.180	ug/l		98
62) Hexachloroethane	12.475	117	12513	1.061	ug/l		98
63) Ethyl Benzene	9.568	91	44739	0.776	ug/l		99
64) m/p-Xylenes	9.690	106	33062	1.450	ug/l		99
65) o-Xylene	10.099	106	16447	0.741	ug/l		96
66) Styrene	10.115	104	26347	0.720	ug/l		97
67) Bromoform	10.288	173	7642	0.917	ug/l		97
69) Isopropylbenzene	10.484	105	39970	0.726	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.783	83	16633	0.968	ug/l		96
71) 1,2,3-Trichloropropane	10.822	75	13421m	0.983	ug/l		
72) Bromobenzene	10.780	156	13357	0.895	ug/l		97
73) n-propylbenzene	10.902	120	10743	0.718	ug/l		89
74) 2-Chlorotoluene	10.983	126	11505	0.790	ug/l		90
75) 1,3,5-Trimethylbenzene	11.086	105	33778	0.690	ug/l		95
76) 4-Chlorotoluene	11.095	126	11195	0.776	ug/l		89
77) tert-Butylbenzene	11.420	119	38056	0.832	ug/l		95
78) 1,2,4-Trimethylbenzene	11.468	105	33576	0.665	ug/l		97
79) sec-Butylbenzene	11.642	105	46120	0.735	ug/l		98
80) Nitrobenzene	13.211	77	4238	4.462	ug/l	#	96
81) p-Isopropyltoluene	11.790	119	35815	0.721	ug/l		98
82) 1,3-Dichlorobenzene	11.745	146	27871	0.882	ug/l		97
83) 1,4-Dichlorobenzene	11.835	146	26578	0.851	ug/l		99
84) n-Butylbenzene	12.208	91	36909	0.791	ug/l		96
85) 1,2-Dichlorobenzene	12.211	146	28089	0.901	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2401	0.832	ug/l		95
87) 1,2,4-Trichlorobenzene	13.841	180	15719	0.930	ug/l		94
88) Hexachlorobutadiene	14.018	225	10082	0.926	ug/l		94
89) Naphthalene	14.086	128	29804	0.944	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	17096	0.944	ug/l		96

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

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