Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
Data File : VU053466.D
Acq On : 29 Mar 2023 15:15
Operator : JC/MD
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 11:45:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 11:12:17 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	45054	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	17104	1.051	ug/l	0.00
Spiked Amount 1.000			Recovery = 105.000%			
68) 1,2-Dichlorobenzene-d4	12.188	152	16058	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	83166	5.106	ug/l	98
3) Chloromethane	1.520	50	79998	4.821	ug/l	99
4) Vinyl Chloride	1.604	62	87438	4.987	ug/l	99
5) Bromomethane	1.858	94	67085	5.092	ug/l	96
6) Chloroethane	1.932	64	55664	4.967	ug/l	98
7) Trichlorofluoromethane	2.137	101	124529	4.743	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	64882	4.986	ug/l	98
9) 1,1-Dichloroethene	2.578	96	56185	4.720	ug/l	96
10) Iodomethane	2.719	142	66364	4.824	ug/l	97
11) Allyl Chloride	2.922	41	68600	5.106	ug/l	91
12) Acrylonitrile	3.324	53	23012	9.953	ug/l	97
13) Acetone	2.642	43	111932	24.682	ug/l	98
14) Carbon Disulfide	2.790	76	175830	4.818	ug/l	97
15) Methylene Chloride	3.044	84	94973	5.203	ug/l	90
16) trans-1,2-Dichloroethene	3.350	96	62999	5.123	ug/l	93
17) 1,1-Dichloroethane	3.864	63	111466	4.966	ug/l	99
18) 2-Butanone	4.710	43	124190	26.907	ug/l	99
19) Cyclohexane	5.385	56	93857	5.078	ug/l	87
20) Methylcyclohexane	6.758	83	118561	5.135	ug/l	94
21) 2,2-Dichloropropane	4.658	77	99383	5.172	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	64903	4.856	ug/l	95
23) Diethyl Ether	2.375	59	46651	4.938	ug/l	93
24) tert-Butyl Alcohol	3.243	59	43183m	48.781	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	136848	5.187	ug/l	98
26) Bromochloromethane	4.970	128	28000	5.200	ug/l	97
27) Chloroform	5.083	83	121156	5.200	ug/l	97
28) 1,1,1-Trichloroethane	5.314	97	101875	5.071	ug/l	98
29) 1,1-Dichloropropene	5.523	75	86741	4.990	ug/l	99
30) Carbon Tetrachloride	5.520	117	83116	5.199	ug/l	97
31) Isopropyl Ether	3.986	45	161011	5.214	ug/l	93
32) Ethyl-t-butyl ether	4.497	59	161350	5.087	ug/l	98
33) Tert-Amyl methyl ether	5.935	73	145928	5.174	ug/l	98
34) Propionitrile	4.787	54	21085	24.388	ug/l #	13
35) Benzene	5.771	78	256661	5.047	ug/l	100
36) 1,2-Dichloroethane	5.790	62	72520	4.965	ug/l	96
37) Trichloroethene	6.539	130	64314	5.029	ug/l	95
38) 1,2-Dichloropropane	6.787	63	67159	5.154	ug/l	98
39) Methacrylonitrile	4.973	41	16034	5.049	ug/l	94
40) Methyl acrylate	4.848	55	29596	5.140	ug/l #	79
41) Tetrahydrofuran	5.054	42	18167m	10.972	ug/l	
42) 1-Chlorobutane	5.456	56	120433	5.209	ug/l	92
43) Dibromomethane	6.915	93	31353	5.051	ug/l	92
44) Bromodichloromethane	7.102	83	81945	5.279	ug/l #	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 30 11:12:17 2023
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Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	167316	25.986	ug/l		95
46) t-1,4-Dichloro-2-butene	10.825	75	36093m	10.171	ug/l		
47) Methyl methacrylate	6.957	69	58168	10.192	ug/l		95
48) Ethyl methacrylate	8.330	69	55921	5.053	ug/l		95
49) Toluene	7.964	92	160765	5.158	ug/l		98
50) t-1,3-Dichloropropene	8.205	75	76575	5.326	ug/l		97
51) cis-1,3-Dichloropropene	7.603	75	91172	5.120	ug/l		97
52) 1,1,2-Trichloroethane	8.394	97	47306	5.256	ug/l		97
53) 1,3-Dichloropropane	8.571	76	82041	5.284	ug/l		96
54) 2-Hexanone	8.681	43	184061	27.247	ug/l		95
55) Dibromochloromethane	8.806	129	47984	5.237	ug/l		98
56) 1,2-Dibromoethane	8.918	107	42068	5.073	ug/l		99
58) Tetrachloroethene	8.549	164	60966	5.098	ug/l		91
59) Chlorobenzene	9.443	112	176459	5.143	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.529	131	55255	5.298	ug/l		96
61) Pentachloroethane	11.423	117	38670	5.277	ug/l		94
62) Hexachloroethane	12.475	117	43188	4.691	ug/l	#	82
63) Ethyl Benzene	9.565	91	306982	5.101	ug/l		98
64) m/p-Xylenes	9.690	106	240792	10.466	ug/l		98
65) o-Xylene	10.095	106	115120	5.113	ug/l		97
66) Styrene	10.108	104	182225	5.264	ug/l		98
67) Bromoform	10.285	173	22255	4.713	ug/l	#	96
69) Isopropylbenzene	10.478	105	301338	5.111	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.777	83	55461	5.119	ug/l		99
71) 1,2,3-Trichloropropane	10.822	75	45258m	5.412	ug/l		
72) Bromobenzene	10.777	156	64193	5.197	ug/l		98
73) n-propylbenzene	10.902	120	83479	5.360	ug/l		100
74) 2-Chlorotoluene	10.983	126	69169	5.137	ug/l		97
75) 1,3,5-Trimethylbenzene	11.082	105	258351	5.219	ug/l		100
76) 4-Chlorotoluene	11.092	126	72376	5.176	ug/l		96
77) tert-Butylbenzene	11.417	119	238937	5.207	ug/l		97
78) 1,2,4-Trimethylbenzene	11.462	105	263470	5.226	ug/l		99
79) sec-Butylbenzene	11.639	105	343184	5.192	ug/l		99
80) Nitrobenzene	13.204	77	6251	22.963	ug/l	#	98
81) p-Isopropyltoluene	11.790	119	277781	5.350	ug/l		99
82) 1,3-Dichlorobenzene	11.742	146	135750	5.157	ug/l		99
83) 1,4-Dichlorobenzene	11.832	146	136534	5.126	ug/l		97
84) n-Butylbenzene	12.204	91	275598	5.373	ug/l		99
85) 1,2-Dichlorobenzene	12.208	146	128083	5.135	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	8585	5.217	ug/l		94
87) 1,2,4-Trichlorobenzene	13.835	180	73508	5.053	ug/l		96
88) Hexachlorobutadiene	14.018	225	37182	5.344	ug/l		98
89) Naphthalene	14.082	128	146919	5.075	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	66669	5.319	ug/l		99

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

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