Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
Data File : VU050404.D
Acq On : 22 Aug 2022 18:29
Operator : SY/MD
Sample : N3980-07 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/27/2022
Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 23 09:09:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.125	96	32545	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	8394	0.758	ug/l		0.00
Spiked Amount 1.000			Recovery =	76.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	10512	0.803	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	3695	0.274	ug/l		91
3) Chloromethane	1.520	50	6378	0.389	ug/l		98
4) Vinyl Chloride	1.604	62	4360	0.311	ug/l		96
5) Bromomethane	1.855	94	1020	0.178	ug/l		90
6) Chloroethane	1.935	64	3006	0.355	ug/l		96
7) Trichlorofluoromethane	2.141	101	5039	0.288	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.597	101	2821	0.289	ug/l	#	92
9) 1,1-Dichloroethene	2.594	96	3001	0.313	ug/l		89
10) Iodomethane	2.745	142	657	0.083	ug/l		90
11) Allyl Chloride	2.951	41	4913	0.333	ug/l		98
12) Acrylonitrile	3.363	53	1408	0.490	ug/l	#	90
13) Acetone	2.658	43	3388	1.685	ug/l		99
14) Carbon Disulfide	2.816	76	9457	0.319	ug/l		99
15) Methylene Chloride	3.076	84	6240	0.481	ug/l		95
16) trans-1,2-Dichloroethene	3.385	96	3125	0.315	ug/l		89
17) 1,1-Dichloroethane	3.890	63	7073	0.343	ug/l		98
18) 2-Butanone	4.761	43	5822m	1.841	ug/l		
19) Cyclohexane	5.375	56	4591	0.307	ug/l	#	94
20) Methylcyclohexane	6.800	83	2287	0.194	ug/l		93
21) 2,2-Dichloropropane	4.678	77	4847	0.309	ug/l	#	75
22) cis-1,2-Dichloroethene	4.681	96	3698	0.330	ug/l		95
23) Diethyl Ether	2.385	59	2607	0.317	ug/l	#	88
24) tert-Butyl Alcohol	3.231	59	2927m	3.361	ug/l		
25) Methyl tert-Butyl Ether	3.411	73	7943	0.312	ug/l	#	84
26) Bromochloromethane	4.983	128	1383	0.308	ug/l		84
27) Chloroform	5.099	83	7006	0.350	ug/l		100
28) 1,1,1-Trichloroethane	5.311	97	5510	0.323	ug/l		91
29) 1,1-Dichloropropene	5.517	75	4399	0.322	ug/l		89
30) Carbon Tetrachloride	5.510	117	4132	0.303	ug/l		94
31) Isopropyl Ether	4.041	45	12648	0.395	ug/l		89
32) Ethyl-t-butyl ether	4.539	59	7382	0.294	ug/l		96
33) Tert-Amyl methyl ether	5.967	73	4128	0.252	ug/l	#	92
34) Propionitrile	4.832	54	1436m	1.537	ug/l		
35) Benzene	5.771	78	12657	0.315	ug/l		92
36) 1,2-Dichloroethane	5.806	62	3845	0.313	ug/l	#	82
37) Trichloroethene	6.584	130	2547	0.264	ug/l		92
38) 1,2-Dichloropropane	6.835	63	2891	0.268	ug/l		99
39) Methacrylonitrile	5.002	41	1738m	0.453	ug/l		
40) Methyl acrylate	4.877	55	2429	0.416	ug/l	#	71
41) Tetrahydrofuran	5.102	42	1814m	0.945	ug/l		
42) 1-Chlorobutane	5.453	56	6237	0.320	ug/l		88
43) Dibromomethane	6.961	93	1753	0.302	ug/l		94
44) Bromodichloromethane	7.147	83	4178	0.305	ug/l	#	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.835	43	6746	1.156 ug/l		93
46) t-1,4-Dichloro-2-butene	10.832	75	1597m	0.542 ug/l		
47) Methyl methacrylate	7.015	69	1911	0.439 ug/l	#	88
48) Ethyl methacrylate	8.366	69	1594	0.201 ug/l		97
49) Toluene	7.993	92	5035	0.233 ug/l		98
50) t-1,3-Dichloropropene	8.237	75	2502	0.234 ug/l		97
51) cis-1,3-Dichloropropene	7.642	75	2999	0.245 ug/l	#	92
52) 1,1,2-Trichloroethane	8.427	97	2709	0.317 ug/l	#	75
53) 1,3-Dichloropropane	8.600	76	3509	0.261 ug/l		93
54) 2-Hexanone	8.716	43	4336	1.067 ug/l		86
55) Dibromochloromethane	8.825	129	2703	0.288 ug/l		91
56) 1,2-Dibromoethane	8.948	107	1985	0.259 ug/l		95
58) Tetrachloroethene	8.568	164	2441	0.269 ug/l		94
59) Chlorobenzene	9.462	112	5834	0.250 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.549	131	2832	0.289 ug/l		97
61) Pentachloroethane	11.430	117	2255	0.277 ug/l		94
62) Hexachloroethane	12.481	117	1844	0.272 ug/l		94
63) Ethyl Benzene	9.581	91	7726	0.208 ug/l		95
64) m/p-Xylenes	9.703	106	5202	0.360 ug/l		93
65) o-Xylene	10.112	106	2898	0.210 ug/l		93
66) Styrene	10.128	104	4143	0.177 ug/l		97
67) Bromoform	10.301	173	1499	0.281 ug/l	#	97
69) Isopropylbenzene	10.494	105	7082	0.198 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.790	83	3300	0.281 ug/l	#	98
71) 1,2,3-Trichloropropane	10.829	75	2481m	0.281 ug/l		
72) Bromobenzene	10.793	156	2144	0.213 ug/l		94
73) n-propylbenzene	10.909	120	2380	0.244 ug/l		89
74) 2-Chlorotoluene	10.993	126	1688	0.178 ug/l		70
75) 1,3,5-Trimethylbenzene	11.092	105	5349	0.169 ug/l		96
76) 4-Chlorotoluene	11.108	126	1632	0.168 ug/l		90
77) tert-Butylbenzene	11.427	119	6210	0.199 ug/l		96
78) 1,2,4-Trimethylbenzene	11.472	105	5418	0.166 ug/l		100
79) sec-Butylbenzene	11.648	105	6870	0.168 ug/l		100
80) Nitrobenzene	13.227	77	799	1.253 ug/l	#	78
81) p-Isopropyltoluene	11.796	119	5267	0.161 ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	4381	0.212 ug/l		96
83) 1,4-Dichlorobenzene	11.841	146	4527	0.220 ug/l		91
84) n-Butylbenzene	12.214	91	5116	0.166 ug/l		97
85) 1,2-Dichlorobenzene	12.214	146	4575	0.225 ug/l		94
86) 1,2-Dibromo-3-Chloropr...	13.002	75	474	0.255 ug/l	#	77
87) 1,2,4-Trichlorobenzene	13.848	180	2680	0.231 ug/l	#	93
88) Hexachlorobutadiene	14.025	225	1771	0.234 ug/l		87
89) Naphthalene	14.092	128	5783	0.226 ug/l	#	96
90) 1,2,3-Trichlorobenzene	14.333	180	2853	0.233 ug/l		96

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

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