Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070822\
Data File : VU049661.D
Acq On : 08 Jul 2022 17:32
Operator : SY/MD
Sample : N3214-09 0.8ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/11/2022
Supervised By :Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 04:56:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Jul 09 04:54:26 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	38065	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12841	0.921	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	12842	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	10626	0.729	ug/l	100
3) Chloromethane	1.530	50	11062	0.742	ug/l	90
4) Vinyl Chloride	1.604	62	9736	0.716	ug/l	97
5) Bromomethane	1.858	94	5817	0.820	ug/l	93
6) Chloroethane	1.935	64	5467	0.718	ug/l	98
7) Trichlorofluoromethane	2.141	101	12371	0.759	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	5920	0.691	ug/l	97
9) 1,1-Dichloroethene	2.578	96	5893	0.683	ug/l	98
10) Iodomethane	2.723	142	4820	0.440	ug/l	90
11) Allyl Chloride	2.922	41	10811	0.735	ug/l	92
12) Acrylonitrile	3.327	53	3523m	1.527	ug/l	
13) Acetone	2.642	43	8390	4.608	ug/l	96
14) Carbon Disulfide	2.793	76	19246	0.677	ug/l	100
15) Methylene Chloride	3.044	84	11051	1.022	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	6264	0.691	ug/l	92
17) 1,1-Dichloroethane	3.867	63	13589	0.725	ug/l	95
18) 2-Butanone	4.735	43	12366	3.985	ug/l	99
19) Cyclohexane	5.378	56	11054m	0.617	ug/l	
20) Methylcyclohexane	6.761	83	9143	0.518	ug/l	91
21) 2,2-Dichloropropane	4.661	77	10217	0.666	ug/l	95
22) cis-1,2-Dichloroethene	4.668	96	7949	0.711	ug/l	98
23) Diethyl Ether	2.379	59	5525	0.751	ug/l	93
24) tert-Butyl Alcohol	3.237	59	7608	9.070	ug/l #	91
25) Methyl tert-Butyl Ether	3.369	73	18011	0.746	ug/l #	83
26) Bromochloromethane	4.977	128	3638	0.773	ug/l	96
27) Chloroform	5.092	83	13538	0.734	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	11879	0.730	ug/l	99
29) 1,1-Dichloropropene	5.523	75	9750	0.671	ug/l	97
30) Carbon Tetrachloride	5.520	117	9779	0.714	ug/l	96
31) Isopropyl Ether	4.005	45	22220	0.691	ug/l	92
32) Ethyl-t-butyl ether	4.510	59	20154	0.662	ug/l	96
33) Tert-Amyl methyl ether	5.948	73	16160	0.611	ug/l	99
34) Propionitrile	4.806	54	3112	3.497	ug/l #	93
35) Benzene	5.771	78	27462	0.664	ug/l	99
36) 1,2-Dichloroethane	5.796	62	9174	0.780	ug/l	98
37) Trichloroethene	6.539	130	7045	0.673	ug/l	92
38) 1,2-Dichloropropane	6.793	63	7872	0.718	ug/l	93
39) Methacrylonitrile	4.989	41	2628	0.689	ug/l #	93
40) Methyl acrylate	4.864	55	4287	0.718	ug/l #	81
41) Tetrahydrofuran	5.070	42	3508	1.556	ug/l #	87
42) 1-Chlorobutane	5.456	56	13450	0.660	ug/l	96
43) Dibromomethane	6.919	93	3834	0.702	ug/l	98
44) Bromodichloromethane	7.108	83	9171	0.701	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	7.803	43	25753	3.475	ug/l		95
46) t-1,4-Dichloro-2-butene	10.835	75	3233m	1.341	ug/l		
47) Methyl methacrylate	6.967	69	6832	1.241	ug/l		92
48) Ethyl methacrylate	8.340	69	6885	0.623	ug/l		98
49) Toluene	7.970	92	15984	0.632	ug/l		98
50) t-1,3-Dichloropropene	8.211	75	7977	0.631	ug/l		99
51) cis-1,3-Dichloropropene	7.610	75	9695	0.647	ug/l	#	87
52) 1,1,2-Trichloroethane	8.404	97	5788	0.768	ug/l		92
53) 1,3-Dichloropropane	8.578	76	9718	0.719	ug/l		98
54) 2-Hexanone	8.693	43	17288	3.359	ug/l		94
55) Dibromochloromethane	8.812	129	6058	0.704	ug/l		92
56) 1,2-Dibromoethane	8.925	107	5061	0.694	ug/l		95
58) Tetrachloroethene	8.555	164	6082	0.699	ug/l		93
59) Chlorobenzene	9.449	112	16653	0.630	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	6635	0.705	ug/l		93
61) Pentachloroethane	11.426	117	5365	0.743	ug/l		97
62) Hexachloroethane	12.475	117	4663	0.645	ug/l		93
63) Ethyl Benzene	9.571	91	27977	0.588	ug/l		99
64) m/p-Xylenes	9.693	106	20971	1.191	ug/l		97
65) o-Xylene	10.102	106	10156	0.587	ug/l		96
66) Styrene	10.115	104	15925	0.573	ug/l		97
67) Bromoform	10.291	173	3267	0.665	ug/l		96
69) Isopropylbenzene	10.484	105	26204	0.567	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.783	83	7187	0.734	ug/l		92
71) 1,2,3-Trichloropropane	10.822	75	6277m	0.775	ug/l		
72) Bromobenzene	10.783	156	7314	0.702	ug/l		99
73) n-propylbenzene	10.906	120	6493	0.557	ug/l		89
74) 2-Chlorotoluene	10.989	126	6485	0.624	ug/l		97
75) 1,3,5-Trimethylbenzene	11.089	105	20853	0.540	ug/l		99
76) 4-Chlorotoluene	11.098	126	6567	0.630	ug/l		79
77) tert-Butylbenzene	11.420	119	21774	0.572	ug/l		98
78) 1,2,4-Trimethylbenzene	11.468	105	21184	0.546	ug/l		97
79) sec-Butylbenzene	11.642	105	28473	0.571	ug/l		99
80) Nitrobenzene	13.217	77	1914	4.779	ug/l	#	61
81) p-Isopropyltoluene	11.793	119	21517	0.532	ug/l		97
82) 1,3-Dichlorobenzene	11.748	146	13267	0.659	ug/l		96
83) 1,4-Dichlorobenzene	11.838	146	13537m	0.666	ug/l		
84) n-Butylbenzene	12.208	91	20239	0.537	ug/l		99
85) 1,2-Dichlorobenzene	12.211	146	13688	0.701	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1268	0.743	ug/l	#	81
87) 1,2,4-Trichlorobenzene	13.841	180	8668	0.658	ug/l		97
88) Hexachlorobutadiene	14.021	225	4431	0.660	ug/l		94
89) Naphthalene	14.092	128	18134	0.657	ug/l		97
90) 1,2,3-Trichlorobenzene	14.333	180	8712	0.693	ug/l		97

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

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