Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060321\
Data File : VU044039.D
Acq On : 03 Jun 2021 15:07
Operator : SY/MD
Sample : M2262-07 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-SOIL-01-QT2-202

Manual Integrations APPROVED
MMDadoda
6/7/2021 1:07:35 PM

Quant Time: Jun 04 06:45:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jun 04 06:43:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	16017	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	4912	0.882	ug/l		0.00
Spiked Amount 1.000			Recovery =	88.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	5643	0.950	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.391	85	6170	0.915	ug/l		96
3) Chloromethane	1.527	50	6735	0.926	ug/l		97
4) Vinyl Chloride	1.610	62	6089	0.887	ug/l		100
5) Bromomethane	1.864	94	3695	0.904	ug/l		94
6) Chloroethane	1.941	64	3493	0.835	ug/l		96
7) Trichlorofluoromethane	2.147	101	7241	0.940	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	4101	0.923	ug/l		97
9) 1,1-Dichloroethene	2.591	96	3670	0.875	ug/l		93
10) Iodomethane	2.732	142	4535	0.840	ug/l		100
11) Allyl Chloride	2.935	41	6000	0.887	ug/l		97
12) Acrylonitrile	3.330	53	1423	1.663	ug/l		97
13) Acetone	2.642	43	2319	4.301	ug/l		89
14) Carbon Disulfide	2.803	76	12553	0.868	ug/l		99
15) Methylene Chloride	3.057	84	5773	0.916	ug/l		99
16) trans-1,2-Dichloroethene	3.362	96	3917	0.845	ug/l		93
17) 1,1-Dichloroethane	3.883	63	8085	0.907	ug/l		99
18) 2-Butanone	4.739	43	5091	4.735	ug/l		99
19) Cyclohexane	5.391	56	7436m	0.879	ug/l		
20) Methylcyclohexane	6.767	83	4780	0.707	ug/l		91
21) 2,2-Dichloropropane	4.674	77	6836	0.967	ug/l		97
22) cis-1,2-Dichloroethene	4.678	96	4317	0.872	ug/l		93
23) Diethyl Ether	2.388	59	3023	0.881	ug/l		97
24) tert-Butyl Alcohol	3.205	59	2777	6.945	ug/l	#	75
25) Methyl tert-Butyl Ether	3.382	73	9178	0.870	ug/l	#	91
26) Bromochloromethane	4.986	128	1803	0.900	ug/l		95
27) Chloroform	5.099	83	7771	0.894	ug/l		96
28) 1,1,1-Trichloroethane	5.324	97	6581	0.896	ug/l		98
29) 1,1-Dichloropropene	5.530	75	5978	0.870	ug/l		98
30) Carbon Tetrachloride	5.526	117	5632	0.880	ug/l		98
31) Isopropyl Ether	4.018	45	12388	0.876	ug/l		96
32) Ethyl-t-butyl ether	4.526	59	11154	0.878	ug/l		99
33) Tert-Amyl methyl ether	5.964	73	7251	0.737	ug/l		98
34) Propionitrile	4.800	54	1047	3.657	ug/l	#	69
35) Benzene	5.784	78	17084	0.856	ug/l		98
36) 1,2-Dichloroethane	5.809	62	5226	0.895	ug/l	#	95
37) Trichloroethene	6.552	130	3916	0.848	ug/l		97
38) 1,2-Dichloropropane	6.803	63	4358	0.827	ug/l		90
39) Methacrylonitrile	4.999	41	1275	0.801	ug/l		90
40) Methyl acrylate	4.867	55	2151	0.842	ug/l	#	88
41) Tetrahydrofuran	5.089	42	1322	1.658	ug/l	#	74
42) 1-Chlorobutane	5.465	56	8504	0.859	ug/l		97
43) Dibromomethane	6.931	93	2291	0.884	ug/l		96
44) Bromodichloromethane	7.118	83	5678	0.879	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.812	43	10462	3.649	ug/l		91
46) t-1,4-Dichloro-2-butene	10.841	75	1984m	1.556	ug/l		
47) Methyl methacrylate	6.980	69	2993	1.362	ug/l		93
48) Ethyl methacrylate	8.353	69	2681	0.671	ug/l		98
49) Toluene	7.980	92	7666	0.695	ug/l		95
50) t-1,3-Dichloropropene	8.224	75	4157	0.743	ug/l	#	88
51) cis-1,3-Dichloropropene	7.616	75	4936	0.785	ug/l		95
52) 1,1,2-Trichloroethane	8.410	97	3309	0.887	ug/l		97
53) 1,3-Dichloropropane	8.587	76	5334	0.815	ug/l		100
54) 2-Hexanone	8.706	43	6993	3.525	ug/l		87
55) Dibromochloromethane	8.819	129	3427	0.840	ug/l		94
56) 1,2-Dibromoethane	8.935	107	2830	0.856	ug/l		96
58) Tetrachloroethene	8.562	164	3540	0.825	ug/l		96
59) Chlorobenzene	9.455	112	8706	0.752	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.542	131	3785	0.862	ug/l		100
61) Pentachloroethane	11.436	117	3013	0.848	ug/l		97
62) Hexachloroethane	12.484	117	2910	0.825	ug/l		99
63) Ethyl Benzene	9.578	91	12411	0.649	ug/l		98
64) m/p-Xylenes	9.700	106	9422	1.243	ug/l		99
65) o-Xylene	10.108	106	4620	0.656	ug/l		100
66) Styrene	10.124	104	7484	0.602	ug/l		99
67) Bromoform	10.298	173	1836	0.821	ug/l	#	93
69) Isopropylbenzene	10.491	105	11996	0.642	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.790	83	4118	0.841	ug/l	#	92
71) 1,2,3-Trichloropropane	10.835	75	3112m	0.842	ug/l		
72) Bromobenzene	10.790	156	3591	0.762	ug/l		99
73) n-propylbenzene	10.912	120	3242	0.620	ug/l		91
74) 2-Chlorotoluene	10.992	126	3192	0.680	ug/l		98
75) 1,3,5-Trimethylbenzene	11.095	105	10032	0.598	ug/l		99
76) 4-Chlorotoluene	11.105	126	3354	0.661	ug/l		100
77) tert-Butylbenzene	11.430	119	10743	0.670	ug/l		97
78) 1,2,4-Trimethylbenzene	11.475	105	10241	0.595	ug/l		97
79) sec-Butylbenzene	11.652	105	14767	0.656	ug/l		99
80) Nitrobenzene	13.214	77	466	3.181	ug/l	#	61
81) p-Isopropyltoluene	11.799	119	11299	0.619	ug/l		97
82) 1,3-Dichlorobenzene	11.754	146	8038	0.781	ug/l		98
83) 1,4-Dichlorobenzene	11.844	146	7885	0.769	ug/l		99
84) n-Butylbenzene	12.217	91	11718	0.647	ug/l		94
85) 1,2-Dichlorobenzene	12.221	146	7563	0.771	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	579	0.779	ug/l		93
87) 1,2,4-Trichlorobenzene	13.848	180	4027	0.697	ug/l		99
88) Hexachlorobutadiene	14.031	225	3100	0.826	ug/l		96
89) Naphthalene	14.095	128	5747	0.576	ug/l		97
90) 1,2,3-Trichlorobenzene	14.339	180	3679	0.661	ug/l		99

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

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