Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044332.D
Acq On : 08 Jul 2021 20:04
Operator : SY/MD
Sample : M2940-07 0.8 PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2021

Manual Integrations APPROVED
MMDadoda
7/13/2021 4:04:34 PM

Quant Time: Jul 09 06:06:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 09 06:04:31 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	24591	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	10108	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	9970	0.918	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.389	85	6689	0.785	ug/l	98
3) Chloromethane	1.527	50	7202	0.878	ug/l	99
4) Vinyl Chloride	1.610	62	7172	0.832	ug/l	97
5) Bromomethane	1.864	94	4837	0.942	ug/l	95
6) Chloroethane	1.942	64	4944	0.859	ug/l	100
7) Trichlorofluoromethane	2.147	101	10517	0.805	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	6134	0.815	ug/l	97
9) 1,1-Dichloroethene	2.591	96	5796	0.881	ug/l	93
10) Iodomethane	2.733	142	6032	0.871	ug/l	99
11) Allyl Chloride	2.932	41	9654	0.826	ug/l	98
12) Acrylonitrile	3.327	53	2528	1.717	ug/l	96
13) Acetone	2.643	43	3654	3.741	ug/l	96
14) Carbon Disulfide	2.800	76	14109	0.793	ug/l	97
15) Methylene Chloride	3.054	84	9299	0.778	ug/l	95
16) trans-1,2-Dichloroethene	3.363	96	6087	0.836	ug/l	93
17) 1,1-Dichloroethane	3.880	63	12731	0.867	ug/l	98
18) 2-Butanone	4.742	43	8404	4.384	ug/l	90
19) Cyclohexane	5.388	56	10171	0.865	ug/l	97
20) Methylcyclohexane	6.771	83	9168	0.759	ug/l	98
21) 2,2-Dichloropropane	4.675	77	11902	0.832	ug/l	96
22) cis-1,2-Dichloroethene	4.675	96	6820	0.795	ug/l	94
23) Diethyl Ether	2.385	59	4663	0.850	ug/l	90
24) tert-Butyl Alcohol	3.199	59	5003	11.861	ug/l #	80
25) Methyl tert-Butyl Ether	3.382	73	16354	0.810	ug/l	98
26) Bromochloromethane	4.986	128	3094	0.824	ug/l	97
27) Chloroform	5.099	83	13103	0.843	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	11109	0.810	ug/l	97
29) 1,1-Dichloropropene	5.530	75	8025	0.801	ug/l	99
30) Carbon Tetrachloride	5.527	117	8582	0.813	ug/l	95
31) Isopropyl Ether	4.012	45	21027	0.836	ug/l	98
32) Ethyl-t-butyl ether	4.527	59	19548	0.806	ug/l	92
33) Tert-Amyl methyl ether	5.961	73	14948	0.763	ug/l	99
34) Propionitrile	4.797	54	2203m	4.534	ug/l	
35) Benzene	5.781	78	22537	0.814	ug/l	100
36) 1,2-Dichloroethane	5.810	62	7268	0.804	ug/l	98
37) Trichloroethene	6.549	130	6200	0.803	ug/l	99
38) 1,2-Dichloropropane	6.803	63	5887	0.764	ug/l	96
39) Methacrylonitrile	4.993	41	2244	0.743	ug/l #	94
40) Methyl acrylate	4.864	55	3485	0.828	ug/l #	87
41) Tetrahydrofuran	5.086	42	1988	1.579	ug/l	94
42) 1-Chlorobutane	5.466	56	11338	0.819	ug/l	95
43) Dibromomethane	6.929	93	3135	0.772	ug/l	94
44) Bromodichloromethane	7.115	83	7935	0.770	ug/l	97

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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	7.813	43	22797	3.921	ug/l		99
46) t-1,4-Dichloro-2-butene	10.838	75	3625m	1.592	ug/l		
47) Methyl methacrylate	6.977	69	6428	1.545	ug/l		95
48) Ethyl methacrylate	8.346	69	6660	0.748	ug/l		93
49) Toluene	7.977	92	14184	0.779	ug/l		96
50) t-1,3-Dichloropropene	8.221	75	7614	0.726	ug/l		98
51) cis-1,3-Dichloropropene	7.617	75	8936	0.750	ug/l		97
52) 1,1,2-Trichloroethane	8.411	97	4536	0.804	ug/l		97
53) 1,3-Dichloropropane	8.588	76	8411	0.812	ug/l		100
54) 2-Hexanone	8.703	43	16044	3.793	ug/l		98
55) Dibromochloromethane	8.819	129	5240	0.722	ug/l		97
56) 1,2-Dibromoethane	8.935	107	4382	0.778	ug/l		98
58) Tetrachloroethene	8.559	164	5618	0.788	ug/l		92
59) Chlorobenzene	9.453	112	16273	0.791	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.543	131	5895	0.765	ug/l		98
61) Pentachloroethane	11.436	117	4348	0.746	ug/l		98
62) Hexachloroethane	12.481	117	4379	0.663	ug/l		96
63) Ethyl Benzene	9.578	91	28400	0.780	ug/l		99
64) m/p-Xylenes	9.700	106	21517	1.521	ug/l		100
65) o-Xylene	10.108	106	10562	0.764	ug/l		99
66) Styrene	10.121	104	18126	0.764	ug/l		98
67) Bromoform	10.298	173	3073	0.733	ug/l	#	97
69) Isopropylbenzene	10.491	105	29016	0.767	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	5891	0.778	ug/l		98
71) 1,2,3-Trichloropropane	10.835	75	5362m	0.898	ug/l		
72) Bromobenzene	10.790	156	6607	0.749	ug/l		91
73) n-propylbenzene	10.912	120	7897	0.762	ug/l		96
74) 2-Chlorotoluene	10.993	126	6730	0.753	ug/l		100
75) 1,3,5-Trimethylbenzene	11.096	105	23954	0.740	ug/l		99
76) 4-Chlorotoluene	11.105	126	6788	0.722	ug/l		97
77) tert-Butylbenzene	11.427	119	24659	0.758	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	23798	0.727	ug/l		100
79) sec-Butylbenzene	11.649	105	32416	0.752	ug/l		98
80) Nitrobenzene	13.224	77	613	1.975	ug/l	#	45
81) p-Isopropyltoluene	11.800	119	26555	0.728	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	13752	0.765	ug/l		99
83) 1,4-Dichlorobenzene	11.842	146	14007	0.784	ug/l		97
84) n-Butylbenzene	12.214	91	24272	0.695	ug/l		99
85) 1,2-Dichlorobenzene	12.218	146	13553	0.795	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1038	0.720	ug/l		93
87) 1,2,4-Trichlorobenzene	13.848	180	8650	0.708	ug/l		98
88) Hexachlorobutadiene	14.028	225	4900	0.781	ug/l		95
89) Naphthalene	14.095	128	15815	0.676	ug/l		98
90) 1,2,3-Trichlorobenzene	14.337	180	7921	0.734	ug/l		97

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

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