Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
Data File : VU044322.D
Acq On : 07 Jul 2021 18:57
Operator : SY/MD
Sample : M2940-07 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations APPROVED
MMDadoda
7/9/2021 6:26:54 PM

Quant Time: Jul 08 08:51:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 08:49:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	25174	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	10675	0.957	ug/l		0.00
Spiked Amount 1.000			Recovery =	96.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	10991	0.989	ug/l		0.00
Spiked Amount 1.000			Recovery =	99.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	2939	0.337	ug/l		89
3) Chloromethane	1.523	50	3241	0.386	ug/l		100
4) Vinyl Chloride	1.610	62	3175	0.360	ug/l	#	87
5) Bromomethane	1.864	94	2348	0.447	ug/l		96
6) Chloroethane	1.941	64	2372	0.403	ug/l		94
7) Trichlorofluoromethane	2.147	101	4723	0.353	ug/l		92
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2690	0.349	ug/l		95
9) 1,1-Dichloroethene	2.588	96	2573	0.382	ug/l		91
10) Iodomethane	2.729	142	1704	0.254	ug/l		100
11) Allyl Chloride	2.935	41	4455	0.372	ug/l		94
12) Acrylonitrile	3.330	53	1273	0.845	ug/l	#	86
13) Acetone	2.639	43	2883	2.883	ug/l		90
14) Carbon Disulfide	2.800	76	6804	0.374	ug/l		95
15) Methylene Chloride	3.054	84	5584	0.456	ug/l		93
16) trans-1,2-Dichloroethene	3.363	96	2669	0.358	ug/l		95
17) 1,1-Dichloroethane	3.880	63	5404	0.359	ug/l	#	96
18) 2-Butanone	4.732	43	6944m	3.538	ug/l		
19) Cyclohexane	5.388	56	4773	0.396	ug/l		97
20) Methylcyclohexane	6.768	83	4029	0.326	ug/l		95
21) 2,2-Dichloropropane	4.674	77	6380	0.436	ug/l		91
22) cis-1,2-Dichloroethene	4.678	96	3156	0.359	ug/l		96
23) Diethyl Ether	2.388	59	1836	0.327	ug/l	#	79
24) tert-Butyl Alcohol	3.208	59	3741	8.547	ug/l	#	86
25) Methyl tert-Butyl Ether	3.382	73	7448	0.360	ug/l		91
26) Bromochloromethane	4.983	128	1467	0.382	ug/l		89
27) Chloroform	5.099	83	7117	0.447	ug/l		94
28) 1,1,1-Trichloroethane	5.321	97	5358	0.382	ug/l		96
29) 1,1-Dichloropropene	5.530	75	3738	0.365	ug/l		98
30) Carbon Tetrachloride	5.526	117	3969	0.367	ug/l		88
31) Isopropyl Ether	4.015	45	9026	0.351	ug/l		100
32) Ethyl-t-butyl ether	4.527	59	9328	0.376	ug/l		98
33) Tert-Amyl methyl ether	5.964	73	7040	0.351	ug/l		98
34) Propionitrile	4.809	54	1498m	3.011	ug/l		
35) Benzene	5.781	78	10235	0.361	ug/l		94
36) 1,2-Dichloroethane	5.809	62	3101	0.335	ug/l	#	89
37) Trichloroethene	6.549	130	2939	0.372	ug/l		88
38) 1,2-Dichloropropane	6.800	63	2779	0.352	ug/l		94
39) Methacrylonitrile	4.996	41	1671	0.540	ug/l	#	61
40) Methyl acrylate	4.867	55	1696	0.394	ug/l	#	87
41) Tetrahydrofuran	5.083	42	1317	1.022	ug/l	#	62
42) 1-Chlorobutane	5.469	56	5353	0.378	ug/l		91
43) Dibromomethane	6.928	93	1362	0.327	ug/l		97
44) Bromodichloromethane	7.118	83	3733	0.354	ug/l	#	95

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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	10110	1.699	ug/l		98
46) t-1,4-Dichloro-2-butene	10.848	75	1415m	0.607	ug/l		
47) Methyl methacrylate	6.980	69	2810	0.660	ug/l		91
48) Ethyl methacrylate	8.350	69	3159	0.347	ug/l		96
49) Toluene	7.977	92	6609	0.355	ug/l		98
50) t-1,3-Dichloropropene	8.221	75	3322	0.309	ug/l		97
51) cis-1,3-Dichloropropene	7.616	75	4309	0.353	ug/l		96
52) 1,1,2-Trichloroethane	8.407	97	1950	0.338	ug/l		94
53) 1,3-Dichloropropane	8.587	76	3749	0.353	ug/l		100
54) 2-Hexanone	8.703	43	7071	1.633	ug/l		98
55) Dibromochloromethane	8.819	129	2494	0.336	ug/l		96
56) 1,2-Dibromoethane	8.935	107	1963	0.340	ug/l		95
58) Tetrachloroethene	8.559	164	2538	0.348	ug/l		88
59) Chlorobenzene	9.456	112	7385	0.350	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.542	131	2392	0.303	ug/l		94
61) Pentachloroethane	11.433	117	1977	0.331	ug/l		92
62) Hexachloroethane	12.481	117	1962	0.290	ug/l		92
63) Ethyl Benzene	9.578	91	12623	0.339	ug/l		93
64) m/p-Xylenes	9.700	106	9717	0.671	ug/l		96
65) o-Xylene	10.108	106	4775	0.337	ug/l		95
66) Styrene	10.121	104	7807	0.321	ug/l		99
67) Bromoform	10.298	173	1335	0.311	ug/l	#	96
69) Isopropylbenzene	10.491	105	12995	0.336	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.793	83	2579	0.333	ug/l		95
71) 1,2,3-Trichloropropane	10.832	75	1892m	0.309	ug/l		
72) Bromobenzene	10.787	156	3074	0.340	ug/l		95
73) n-propylbenzene	10.912	120	3278	0.309	ug/l		88
74) 2-Chlorotoluene	10.993	126	2976	0.325	ug/l		91
75) 1,3,5-Trimethylbenzene	11.095	105	11099	0.335	ug/l		98
76) 4-Chlorotoluene	11.105	126	2990	0.311	ug/l		83
77) tert-Butylbenzene	11.427	119	11136	0.334	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	11114	0.332	ug/l		98
79) sec-Butylbenzene	11.648	105	14733	0.334	ug/l		97
80) Nitrobenzene	13.217	77	368	1.158	ug/l	#	41
81) p-Isopropyltoluene	11.800	119	12043	0.322	ug/l		98
82) 1,3-Dichlorobenzene	11.755	146	6547	0.356	ug/l		98
83) 1,4-Dichlorobenzene	11.841	146	6676	0.365	ug/l		98
84) n-Butylbenzene	12.214	91	11481	0.321	ug/l		98
85) 1,2-Dichlorobenzene	12.221	146	5900	0.338	ug/l		93
86) 1,2-Dibromo-3-Chloropr...	13.002	75	435	0.295	ug/l	#	83
87) 1,2,4-Trichlorobenzene	13.848	180	4595	0.367	ug/l		93
88) Hexachlorobutadiene	14.028	225	1953	0.304	ug/l		94
89) Naphthalene	14.095	128	8562	0.363	ug/l		97
90) 1,2,3-Trichlorobenzene	14.340	180	4003	0.362	ug/l		97

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

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