Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060321\
Data File : VU044040.D
Acq On : 03 Jun 2021 15:37
Operator : SY/MD
Sample : M2262-08 0.5PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2021

Manual Integrations APPROVED
MMDadoda
6/7/2021 1:07:48 PM

Quant Time: Jun 04 06:45:54 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	6.125	96	15014	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	4182	0.801	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
68) 1,2-Dichlorobenzene-d4	12.202	152	5121	0.920	ug/l		0.00
Spiked Amount 1.000			Recovery =	92.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.392	85	3510	0.555	ug/l		94
3) Chloromethane	1.527	50	3944	0.578	ug/l		98
4) Vinyl Chloride	1.610	62	3467	0.539	ug/l		98
5) Bromomethane	1.864	94	2075	0.541	ug/l		99
6) Chloroethane	1.942	64	1971	0.502	ug/l		97
7) Trichlorofluoromethane	2.147	101	3853	0.533	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	2283	0.548	ug/l		97
9) 1,1-Dichloroethene	2.591	96	2051	0.521	ug/l		99
10) Iodomethane	2.733	142	2462	0.486	ug/l		97
11) Allyl Chloride	2.935	41	3357	0.530	ug/l		96
12) Acrylonitrile	3.334	53	920	1.147	ug/l	#	89
13) Acetone	2.643	43	1595	3.156	ug/l		92
14) Carbon Disulfide	2.803	76	7181	0.530	ug/l		97
15) Methylene Chloride	3.057	84	4076	0.690	ug/l		96
16) trans-1,2-Dichloroethene	3.363	96	2296	0.528	ug/l		92
17) 1,1-Dichloroethane	3.880	63	4650	0.557	ug/l	#	93
18) 2-Butanone	4.742	43	2737	2.715	ug/l		76
19) Cyclohexane	5.388	56	4150m	0.523	ug/l		
20) Methylcyclohexane	6.768	83	2701	0.426	ug/l		92
21) 2,2-Dichloropropane	4.675	77	4016	0.606	ug/l		94
22) cis-1,2-Dichloroethene	4.681	96	2480	0.535	ug/l		93
23) Diethyl Ether	2.389	59	1637	0.509	ug/l		92
24) tert-Butyl Alcohol	3.202	59	2233	5.958	ug/l	#	75
25) Methyl tert-Butyl Ether	3.382	73	5407	0.547	ug/l		95
26) Bromochloromethane	4.983	128	950	0.506	ug/l		89
27) Chloroform	5.099	83	4406	0.541	ug/l		95
28) 1,1,1-Trichloroethane	5.324	97	3709	0.539	ug/l		97
29) 1,1-Dichloropropene	5.530	75	3336	0.518	ug/l		94
30) Carbon Tetrachloride	5.530	117	3184	0.531	ug/l		95
31) Isopropyl Ether	4.015	45	6999	0.528	ug/l		97
32) Ethyl-t-butyl ether	4.530	59	6231	0.523	ug/l		100
33) Tert-Amyl methyl ether	5.964	73	4154	0.451	ug/l		93
34) Propionitrile	4.806	54	792	2.951	ug/l	#	64
35) Benzene	5.784	78	9766	0.522	ug/l		99
36) 1,2-Dichloroethane	5.810	62	3003	0.549	ug/l	#	91
37) Trichloroethene	6.552	130	2093	0.483	ug/l		89
38) 1,2-Dichloropropane	6.803	63	2383	0.482	ug/l		95
39) Methacrylonitrile	5.003	41	885	0.593	ug/l	#	79
40) Methyl acrylate	4.867	55	1454	0.607	ug/l	#	70
41) Tetrahydrofuran	5.089	42	680m	0.910	ug/l		
42) 1-Chlorobutane	5.466	56	4834	0.521	ug/l		98
43) Dibromomethane	6.935	93	1234	0.508	ug/l		96
44) Bromodichloromethane	7.118	83	2971	0.491	ug/l		96

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	5738	2.135 ug/l	#	89
46) t-1,4-Dichloro-2-butene	10.838	75	1164m	0.974 ug/l		
47) Methyl methacrylate	6.983	69	1594	0.774 ug/l		93
48) Ethyl methacrylate	8.350	69	1429	0.381 ug/l		96
49) Toluene	7.977	92	4093	0.396 ug/l		97
50) t-1,3-Dichloropropene	8.221	75	2413	0.460 ug/l		94
51) cis-1,3-Dichloropropene	7.620	75	2749	0.466 ug/l		99
52) 1,1,2-Trichloroethane	8.414	97	1788	0.511 ug/l		94
53) 1,3-Dichloropropane	8.588	76	2917	0.476 ug/l		98
54) 2-Hexanone	8.703	43	3877	2.085 ug/l		85
55) Dibromochloromethane	8.822	129	1963	0.513 ug/l		93
56) 1,2-Dibromoethane	8.938	107	1507	0.486 ug/l		95
58) Tetrachloroethene	8.559	164	2000	0.497 ug/l		97
59) Chlorobenzene	9.456	112	4815	0.444 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.543	131	2023	0.492 ug/l		94
61) Pentachloroethane	11.433	117	1684	0.506 ug/l		90
62) Hexachloroethane	12.481	117	1482	0.448 ug/l		91
63) Ethyl Benzene	9.578	91	6605	0.368 ug/l		100
64) m/p-Xylenes	9.703	106	4882	0.687 ug/l		96
65) o-Xylene	10.108	106	2310	0.350 ug/l		95
66) Styrene	10.125	104	3858	0.331 ug/l		99
67) Bromoform	10.298	173	993	0.474 ug/l	#	91
69) Isopropylbenzene	10.491	105	6038	0.345 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.793	83	2247	0.490 ug/l	#	96
71) 1,2,3-Trichloropropane	10.832	75	1800m	0.520 ug/l		
72) Bromobenzene	10.790	156	1918	0.434 ug/l		92
73) n-propylbenzene	10.912	120	1637	0.334 ug/l		89
74) 2-Chlorotoluene	10.996	126	1576	0.358 ug/l		85
75) 1,3,5-Trimethylbenzene	11.096	105	5070	0.323 ug/l		99
76) 4-Chlorotoluene	11.105	126	1581	0.332 ug/l		93
77) tert-Butylbenzene	11.427	119	5639	0.375 ug/l		95
78) 1,2,4-Trimethylbenzene	11.475	105	4979	0.308 ug/l		100
79) sec-Butylbenzene	11.652	105	6966	0.330 ug/l		100
80) Nitrobenzene	13.221	77	170	1.238 ug/l	#	43
81) p-Isopropyltoluene	11.803	119	5317	0.311 ug/l		95
82) 1,3-Dichlorobenzene	11.755	146	4100	0.425 ug/l		96
83) 1,4-Dichlorobenzene	11.845	146	3949	0.411 ug/l		97
84) n-Butylbenzene	12.218	91	5822	0.343 ug/l		96
85) 1,2-Dichlorobenzene	12.224	146	3931	0.428 ug/l		96
86) 1,2-Dibromo-3-Chloropr...	13.009	75	293	0.421 ug/l		83
87) 1,2,4-Trichlorobenzene	13.848	180	2152	0.397 ug/l		97
88) Hexachlorobutadiene	14.028	225	1683	0.478 ug/l		99
89) Naphthalene	14.099	128	3404	0.364 ug/l	#	96
90) 1,2,3-Trichlorobenzene	14.340	180	1959	0.375 ug/l		98

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

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