Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101521\
Data File : VU045322.D
Acq On : 15 Oct 2021 15:17
Operator : SY/MD
Sample : M4068-09 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2021

Manual Integrations APPROVED
MMDadoda
10/22/2021 5:37:58 PM

Quant Time: Oct 16 01:10:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.118	96	39578	1.00	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.635	95	13377	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
68) 1,2-Dichlorobenzene-d4	12.198	152	12625	0.93	ug/l		0.00
Spiked Amount 1.000			Recovery = 93.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	12340	0.82	ug/l		98
3) Chloromethane	1.520	50	14452	0.92	ug/l		98
4) Vinyl Chloride	1.604	62	13588	0.83	ug/l		99
5) Bromomethane	1.858	94	7844	0.87	ug/l		99
6) Chloroethane	1.935	64	8779	0.83	ug/l		100
7) Trichlorofluoromethane	2.141	101	14763	0.78	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9281	0.84	ug/l		99
9) 1,1-Dichloroethene	2.581	96	8385	0.81	ug/l		98
10) Iodomethane	2.726	142	7788	0.72	ug/l		95
11) Allyl Chloride	2.928	41	12604	0.83	ug/l		97
12) Acrylonitrile	3.330	53	3724	1.42	ug/l	#	89
13) Acetone	2.645	43	14412	4.60	ug/l		91
14) Carbon Disulfide	2.797	76	24834	0.79	ug/l		98
15) Methylene Chloride	3.051	84	17328	1.39	ug/l		98
16) trans-1,2-Dichloroethene	3.356	96	8617	0.78	ug/l		95
17) 1,1-Dichloroethane	3.877	63	17140	0.83	ug/l		98
18) 2-Butanone	4.729	43	15977	4.01	ug/l		99
19) Cyclohexane	5.391	56	14340m	0.75	ug/l		
20) Methylcyclohexane	6.767	83	14246	0.75	ug/l		98
21) 2,2-Dichloropropane	4.671	77	14159	0.80	ug/l		100
22) cis-1,2-Dichloroethene	4.674	96	9627	0.79	ug/l		99
23) Diethyl Ether	2.382	59	7565	0.78	ug/l		95
24) tert-Butyl Alcohol	3.224	59	3919	5.13	ug/l	#	89
25) Methyl tert-Butyl Ether	3.375	73	21607	0.75	ug/l		99
26) Bromochloromethane	4.980	128	4344	0.84	ug/l		95
27) Chloroform	5.096	83	18140	0.85	ug/l		99
28) 1,1,1-Trichloroethane	5.321	97	13781	0.79	ug/l		100
29) 1,1-Dichloropropene	5.533	75	12643	0.79	ug/l		97
30) Carbon Tetrachloride	5.533	117	10727	0.80	ug/l		99
31) Isopropyl Ether	4.002	45	26235	0.80	ug/l		96
32) Ethyl-t-butyl ether	4.510	59	25380	0.77	ug/l		96
33) Tert-Amyl methyl ether	5.948	73	21046	0.72	ug/l		99
34) Propionitrile	4.796	54	3715	3.75	ug/l	#	84
35) Benzene	5.780	78	37009	0.80	ug/l		98
36) 1,2-Dichloroethane	5.800	62	11682	0.80	ug/l		96
37) Trichloroethene	6.546	130	9049	0.81	ug/l		97
38) 1,2-Dichloropropane	6.796	63	10136	0.85	ug/l		99
39) Methacrylonitrile	4.980	41	2886	0.74	ug/l	#	92
40) Methyl acrylate	4.861	55	4159	0.64	ug/l	#	94
41) Tetrahydrofuran	5.067	42	2770	1.23	ug/l		99
42) 1-Chlorobutane	5.465	56	18010	0.79	ug/l		94
43) Dibromomethane	6.925	93	4750	0.80	ug/l		96
44) Bromodichloromethane	7.108	83	11901	0.81	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	28533	3.53	ug/l		96
46) t-1,4-Dichloro-2-butene	10.838	75	3801m	1.34	ug/l		
47) Methyl methacrylate	6.967	69	8098	1.35	ug/l		99
48) Ethyl methacrylate	8.340	69	7982	0.67	ug/l		100
49) Toluene	7.973	92	21299	0.75	ug/l		98
50) t-1,3-Dichloropropene	8.214	75	10564	0.73	ug/l		100
51) cis-1,3-Dichloropropene	7.613	75	12607	0.75	ug/l		98
52) 1,1,2-Trichloroethane	8.404	97	6874	0.81	ug/l		96
53) 1,3-Dichloropropane	8.581	76	12308	0.77	ug/l		97
54) 2-Hexanone	8.693	43	22596	3.62	ug/l		94
55) Dibromochloromethane	8.812	129	6643	0.74	ug/l		99
56) 1,2-Dibromoethane	8.928	107	6043	0.75	ug/l		97
58) Tetrachloroethene	8.558	164	8166	0.81	ug/l		96
59) Chlorobenzene	9.452	112	22156	0.76	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.539	131	7942	0.81	ug/l		98
61) Pentachloroethane	11.430	117	5815	0.82	ug/l		92
62) Hexachloroethane	12.478	117	5567	0.75	ug/l		95
63) Ethyl Benzene	9.574	91	37312	0.71	ug/l		98
64) m/p-Xylenes	9.697	106	27534	1.38	ug/l		95
65) o-Xylene	10.105	106	14066	0.72	ug/l		99
66) Styrene	10.118	104	21856	0.68	ug/l		99
67) Bromoform	10.298	173	3474	0.74	ug/l		91
69) Isopropylbenzene	10.488	105	36238	0.71	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.787	83	8254	0.75	ug/l		98
71) 1,2,3-Trichloropropane	10.825	75	5217m	0.58	ug/l		
72) Bromobenzene	10.787	156	8604	0.76	ug/l		99
73) n-propylbenzene	10.909	120	9242	0.69	ug/l		98
74) 2-Chlorotoluene	10.989	126	8977	0.78	ug/l		95
75) 1,3,5-Trimethylbenzene	11.092	105	29835	0.70	ug/l		96
76) 4-Chlorotoluene	11.102	126	8509	0.72	ug/l		99
77) tert-Butylbenzene	11.423	119	29442	0.71	ug/l		99
78) 1,2,4-Trimethylbenzene	11.471	105	29461	0.67	ug/l		100
79) sec-Butylbenzene	11.648	105	40311	0.70	ug/l		98
80) Nitrobenzene	13.214	77	867	2.78	ug/l	#	73
81) p-Isopropyltoluene	11.796	119	30326	0.66	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	17555	0.78	ug/l		97
83) 1,4-Dichlorobenzene	11.841	146	16900	0.76	ug/l		99
84) n-Butylbenzene	12.214	91	28131	0.64	ug/l		97
85) 1,2-Dichlorobenzene	12.217	146	16120	0.75	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1276	0.70	ug/l		92
87) 1,2,4-Trichlorobenzene	13.844	180	8537	0.64	ug/l		97
88) Hexachlorobutadiene	14.028	225	4744	0.77	ug/l		96
89) Naphthalene	14.092	128	13546	0.52	ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	7388	0.60	ug/l		100

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

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