Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102320\
Data File : VU040929.D
Acq On : 23 Oct 2020 11:33
Operator : SY/MD
Sample : L4214-09 0.4 ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Manual Integrations APPROVED
MMDadoda
10/26/2020 4:24:12 PM

Quant Time: Oct 24 06:42:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:07:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.12	96	51905	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	15185	0.80	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	16862	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	8787	0.363	ug/l		97
3) Chloromethane	1.53	50	9431	0.374	ug/l		99
4) Vinyl Chloride	1.61	62	8029	0.342	ug/l		99
5) Bromomethane	1.87	94	5722	0.414	ug/l		94
6) Chloroethane	1.94	64	6363	0.443	ug/l		96
7) Trichlorofluoromethane	2.15	101	11053	0.372	ug/l		93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6003	0.364	ug/l		97
9) 1,1-Dichloroethene	2.59	96	5374	0.374	ug/l		93
10) Iodomethane	2.74	142	3882	0.610	ug/l		94
11) Allyl Chloride	2.94	41	11224	0.379	ug/l		94
12) Acrylonitrile	3.34	53	4407	0.870	ug/l	#	55
13) Acetone	2.66	43	7960	1.877	ug/l		98
14) Carbon Disulfide	2.81	76	20656	0.382	ug/l		98
15) Methylene Chloride	3.06	84	8164	0.437	ug/l		91
16) trans-1,2-Dichloroethene	3.37	96	5740	0.353	ug/l		93
17) 1,1-Dichloroethane	3.89	63	12385	0.372	ug/l		100
18) 2-Butanone	4.76	43	12958	1.889	ug/l		85
19) Cyclohexane	5.40	56	11330m	0.362	ug/l		
20) Methylcyclohexane	6.77	83	6870	0.293	ug/l		92
21) 2,2-Dichloropropane	4.68	77	11297	0.402	ug/l	#	76
22) cis-1,2-Dichloroethene	4.69	96	6286	0.362	ug/l		95
23) Diethyl Ether	2.39	59	5171	0.364	ug/l		97
24) tert-Butyl Alcohol	3.20	59	1563	0.987	ug/l	#	72
25) Methyl tert-Butyl Ether	3.38	73	15343m	0.344	ug/l		
26) Bromochloromethane	4.99	128	3109	0.412	ug/l		90
27) Chloroform	5.11	83	12633	0.397	ug/l		94
28) 1,1,1-Trichloroethane	5.33	97	10781	0.393	ug/l		95
29) 1,1-Dichloropropene	5.54	75	8587	0.357	ug/l	#	92
30) Carbon Tetrachloride	5.54	117	8436	0.340	ug/l		98
31) Isopropyl Ether	4.02	45	18923	0.368	ug/l		99
32) Ethyl-t-butyl ether	4.54	59	15569	0.344	ug/l		91
33) Tert-Amyl methyl ether	5.96	73	8802	0.261	ug/l		96
34) Propionitrile	4.82	54	3864m	2.051	ug/l		
35) Benzene	5.78	78	22566	0.339	ug/l		94
36) 1,2-Dichloroethane	5.81	62	8896	0.360	ug/l	#	88
37) Trichloroethene	6.55	130	4534	0.288	ug/l		82
38) 1,2-Dichloropropane	6.80	63	6204	0.328	ug/l		94
39) Methacrylonitrile	5.01	41	2965	0.336	ug/l	#	83
40) Methyl acrylate	4.87	55	5081	0.420	ug/l	#	92
41) Tetrahydrofuran	5.11	42	3300	0.726	ug/l	#	85
42) 1-Chlorobutane	5.47	56	13390	0.369	ug/l		96

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	3129	0.296 ug/l		87
44) Bromodichloromethane	7.12	83	8275	0.337 ug/l		95
45) 4-Methyl-2-Pentanone	7.81	43	18020	1.296 ug/l		97
46) t-1,4-Dichloro-2-butene	10.83	75	3216m	0.585 ug/l		
47) Methyl methacrylate	6.98	69	4377	0.495 ug/l	#	91
48) Ethyl methacrylate	8.34	69	3875	0.261 ug/l		97
49) Toluene	7.98	92	9927	0.271 ug/l		98
50) t-1,3-Dichloropropene	8.21	75	5584	0.263 ug/l		90
51) cis-1,3-Dichloropropene	7.62	75	7159	0.307 ug/l		91
52) 1,1,2-Trichloroethane	8.41	97	4464	0.333 ug/l	#	92
53) 1,3-Dichloropropane	8.58	76	7261	0.302 ug/l	#	87
54) 2-Hexanone	8.70	43	13007	1.339 ug/l		91
55) Dibromochloromethane	8.82	129	4642	0.289 ug/l		95
56) 1,2-Dibromoethane	8.93	107	4099	0.330 ug/l		97
58) Tetrachloroethene	8.56	164	4608	0.313 ug/l		96
59) Chlorobenzene	9.45	112	11461	0.296 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.54	131	4951	0.325 ug/l		90
61) Pentachloroethane	11.42	117	3921	0.319 ug/l		96
62) Hexachloroethane	12.47	117	4030	0.322 ug/l		94
63) Ethyl Benzene	9.57	91	15343	0.239 ug/l		100
64) m/p-Xylenes	9.70	106	10713	0.802 ug/l		99
65) o-Xylene	10.10	106	5326	0.236 ug/l		93
66) Styrene	10.11	104	8903	0.448 ug/l		99
67) Bromoform	10.29	173	2632	0.303 ug/l	#	83
69) Isopropylbenzene	10.48	105	13097	0.218 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	6072	0.333 ug/l		93
71) 1,2,3-Trichloropropane	10.83	75	4628m	0.333 ug/l		
72) Bromobenzene	10.78	156	4126	0.263 ug/l		96
73) n-propylbenzene	10.90	120	3599	0.406 ug/l		86
74) 2-Chlorotoluene	10.98	126	3477	0.223 ug/l		90
75) 1,3,5-Trimethylbenzene	11.09	105	11098	0.409 ug/l		96
76) 4-Chlorotoluene	11.09	126	3347	0.207 ug/l		93
77) tert-Butylbenzene	11.41	119	12295	0.242 ug/l		90
78) 1,2,4-Trimethylbenzene	11.47	105	10485	0.399 ug/l		92
80) Nitrobenzene	13.20	77	1624	1.885 ug/l	#	61
81) p-Isopropyltoluene	11.79	119	11749	0.453 ug/l		96
82) 1,3-Dichlorobenzene	11.74	146	9295	0.272 ug/l		95
83) 1,4-Dichlorobenzene	11.83	146	8242	0.238 ug/l		94
84) n-Butylbenzene	12.20	91	13407	0.227 ug/l		99
85) 1,2-Dichlorobenzene	12.21	146	8344	0.255 ug/l		89
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1086	0.319 ug/l	#	59
87) 1,2,4-Trichlorobenzene	13.83	180	5453	0.284 ug/l		96
88) Hexachlorobutadiene	14.01	225	3742	0.348 ug/l		95
89) Naphthalene	14.08	128	8504	0.881 ug/l	#	93
90) 1,2,3-Trichlorobenzene	14.32	180	4878	0.261 ug/l		94

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

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