Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102220\
Data File : VU040923.D
Acq On : 23 Oct 2020 01:20
Operator : SY/MD
Sample : VU1022WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBSD01

Manual Integrations APPROVED
MMDadoda
10/26/2020 4:15:45 PM

Quant Time: Oct 23 07:46:08 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	54703	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	18336	0.92	ug/l		0.00
Spiked Amount 1.000			Recovery = 92.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	19814	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	50917	1.996	ug/l		94
3) Chloromethane	1.53	50	54963	2.067	ug/l		99
4) Vinyl Chloride	1.61	62	50877	2.055	ug/l		98
5) Bromomethane	1.87	94	30181	2.074	ug/l		97
6) Chloroethane	1.94	64	30791	2.035	ug/l		99
7) Trichlorofluoromethane	2.15	101	65818	2.104	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	34449	1.980	ug/l		97
9) 1,1-Dichloroethene	2.59	96	31191	2.059	ug/l		98
10) Iodomethane	2.74	142	32315	2.078	ug/l		97
11) Allyl Chloride	2.94	41	63272	2.028	ug/l		100
12) Acrylonitrile	3.35	53	20690	3.874	ug/l	#	89
13) Acetone	2.66	43	50175m	11.224	ug/l		
14) Carbon Disulfide	2.81	76	116206	2.041	ug/l		100
15) Methylene Chloride	3.06	84	40633	2.065	ug/l		94
16) trans-1,2-Dichloroethene	3.37	96	35956	2.097	ug/l		95
17) 1,1-Dichloroethane	3.89	63	73071	2.084	ug/l		99
18) 2-Butanone	4.75	43	80272	11.101	ug/l		93
19) Cyclohexane	5.40	56	67368m	2.041	ug/l		
20) Methylcyclohexane	6.77	83	42570	1.724	ug/l		92
21) 2,2-Dichloropropane	4.68	77	54824	1.851	ug/l		99
22) cis-1,2-Dichloroethene	4.69	96	36310	1.985	ug/l		99
23) Diethyl Ether	2.39	59	31845	2.129	ug/l		98
24) tert-Butyl Alcohol	3.28	59	21880m	13.112	ug/l		
25) Methyl tert-Butyl Ether	3.38	73	96360	2.051	ug/l		97
26) Bromochloromethane	4.99	128	16200	2.037	ug/l		96
27) Chloroform	5.11	83	69384	2.070	ug/l		94
28) 1,1,1-Trichloroethane	5.33	97	58255	2.016	ug/l		98
29) 1,1-Dichloropropene	5.54	75	49850	1.969	ug/l		97
30) Carbon Tetrachloride	5.54	117	52737	2.016	ug/l		94
31) Isopropyl Ether	4.02	45	108525	2.001	ug/l		97
32) Ethyl-t-butyl ether	4.53	59	96605	2.023	ug/l		98
33) Tert-Amyl methyl ether	5.96	73	66315	1.864	ug/l		99
34) Propionitrile	4.84	54	23104m	11.637	ug/l		
35) Benzene	5.79	78	140409	2.001	ug/l		99
36) 1,2-Dichloroethane	5.81	62	54735	2.104	ug/l		98
37) Trichloroethene	6.55	130	33524	2.021	ug/l		96
38) 1,2-Dichloropropane	6.80	63	40081	2.013	ug/l		90
39) Methacrylonitrile	5.00	41	18726	2.012	ug/l	#	93
40) Methyl acrylate	4.87	55	26533	2.079	ug/l		97
41) Tetrahydrofuran	5.10	42	18915	3.951	ug/l	#	79
42) 1-Chlorobutane	5.47	56	79387	2.074	ug/l		99

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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)
43) Dibromomethane	6.93	93	22882	2.051 ug/l	96
44) Bromodichloromethane	7.12	83	54085	2.088 ug/l	95
45) 4-Methyl-2-Pentanone	7.81	43	139637	9.532 ug/l	95
46) t-1,4-Dichloro-2-butene	10.83	75	21054m	3.634 ug/l	
47) Methyl methacrylate	6.98	69	35479	3.808 ug/l	99
48) Ethyl methacrylate	8.34	69	27372	1.746 ug/l	94
49) Toluene	7.97	92	72082	1.868 ug/l	91
50) t-1,3-Dichloropropene	8.22	75	41297	1.844 ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	46775	1.906 ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	31076	2.203 ug/l	90
53) 1,3-Dichloropropane	8.58	76	50100	1.978 ug/l	99
54) 2-Hexanone	8.70	43	100328	9.803 ug/l	95
55) Dibromochloromethane	8.81	129	34333	2.030 ug/l	99
56) 1,2-Dibromoethane	8.93	107	27286	2.086 ug/l	100
58) Tetrachloroethene	8.56	164	29880	1.927 ug/l	94
59) Chlorobenzene	9.45	112	77095	1.887 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	32254	2.009 ug/l	98
61) Pentachloroethane	11.42	117	26742	2.062 ug/l	95
62) Hexachloroethane	12.47	117	27205	2.061 ug/l	97
63) Ethyl Benzene	9.57	91	116013	1.714 ug/l	98
64) m/p-Xylenes	9.69	106	90680	3.394 ug/l	100
65) o-Xylene	10.10	106	41639	1.752 ug/l	98
66) Styrene	10.11	104	75853	1.755 ug/l	99
67) Bromoform	10.29	173	18290	1.998 ug/l	98
69) Isopropylbenzene	10.48	105	110965	1.751 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	40418	2.106 ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	28399m	1.941 ug/l	
72) Bromobenzene	10.78	156	31671	1.917 ug/l	99
73) n-propylbenzene	10.91	120	31108	1.675 ug/l	93
74) 2-Chlorotoluene	10.98	126	30751	1.870 ug/l	96
75) 1,3,5-Trimethylbenzene	11.09	105	99586	1.710 ug/l	99
76) 4-Chlorotoluene	11.10	126	33693	1.977 ug/l	94
77) tert-Butylbenzene	11.42	119	99868	1.864 ug/l	95
78) 1,2,4-Trimethylbenzene	11.47	105	104723	1.735 ug/l	98
79) sec-Butylbenzene	11.64	105	135194	1.818 ug/l	98
80) Nitrobenzene	13.20	77	8435	9.291 ug/l	95
81) p-Isopropyltoluene	11.79	119	108817	1.749 ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	73099	2.028 ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	74351	2.040 ug/l	98
84) n-Butylbenzene	12.20	91	105392	1.693 ug/l	98
85) 1,2-Dichlorobenzene	12.21	146	70809	2.054 ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	7840	2.188 ug/l	88
87) 1,2,4-Trichlorobenzene	13.83	180	34452	1.705 ug/l	97
88) Hexachlorobutadiene	14.01	225	21843	1.925 ug/l	95
89) Naphthalene	14.08	128	63539	1.875 ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	34525	1.756 ug/l	96

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

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