Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102220\
Data File : VU040917.D
Acq On : 22 Oct 2020 21:57
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU102220

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

Quant Time: Oct 23 07:20:56 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	59674	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	24864	1.14	ug/l		0.00
Spiked Amount 1.000			Recovery = 114.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	22446	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	109300	3.927	ug/l		100
3) Chloromethane	1.53	50	163655	5.642	ug/l		99
4) Vinyl Chloride	1.61	62	168658	6.243	ug/l		100
5) Bromomethane	1.87	94	106972	6.738	ug/l		97
6) Chloroethane	1.94	64	109659	6.642	ug/l		100
7) Trichlorofluoromethane	2.15	101	250549	7.341	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	137663	7.255	ug/l		99
9) 1,1-Dichloroethene	2.59	96	126299	7.643	ug/l		98
10) Iodomethane	2.74	142	146984	7.403	ug/l		99
11) Allyl Chloride	2.94	41	282604	8.305	ug/l		94
12) Acrylonitrile	3.34	53	220854	37.907	ug/l		96
13) Acetone	2.66	43	198203	40.646	ug/l		99
14) Carbon Disulfide	2.81	76	374785	6.035	ug/l		100
15) Methylene Chloride	3.06	84	164196	7.649	ug/l		98
16) trans-1,2-Dichloroethene	3.37	96	148403	7.934	ug/l		99
17) 1,1-Dichloroethane	3.89	63	315903	8.257	ug/l		99
18) 2-Butanone	4.75	43	337396	42.773	ug/l		99
19) Cyclohexane	5.40	56	232794m	6.466	ug/l		
20) Methylcyclohexane	6.77	83	196852	7.309	ug/l		97
21) 2,2-Dichloropropane	4.68	77	255408	7.907	ug/l		99
22) cis-1,2-Dichloroethene	4.69	96	172434	8.640	ug/l		95
23) Diethyl Ether	2.39	59	126211	7.735	ug/l		99
24) tert-Butyl Alcohol	3.26	59	58831	32.320	ug/l	#	86
25) Methyl tert-Butyl Ether	3.39	73	393722	7.680	ug/l		100
26) Bromochloromethane	4.99	128	79308	9.143	ug/l		95
27) Chloroform	5.11	83	316406	8.654	ug/l		100
28) 1,1,1-Trichloroethane	5.33	97	259975	8.247	ug/l		99
29) 1,1-Dichloropropene	5.54	75	223298	8.085	ug/l		99
30) Carbon Tetrachloride	5.54	117	234787	8.229	ug/l		97
31) Isopropyl Ether	4.02	45	536994	9.077	ug/l	#	1
34) Propionitrile	4.83	54	172154	79.487	ug/l	#	35
35) Benzene	5.79	78	659966	8.620	ug/l		99
36) 1,2-Dichloroethane	5.81	62	241452	8.508	ug/l		99
37) Trichloroethene	6.55	130	151014	8.345	ug/l		93
38) 1,2-Dichloropropane	6.80	63	190851	8.787	ug/l		96
39) Methacrylonitrile	5.00	41	88104	8.677	ug/l		99
40) Methyl acrylate	4.87	55	150931	10.841	ug/l	#	93
41) Tetrahydrofuran	5.09	42	195868	37.502	ug/l		99
42) 1-Chlorobutane	5.47	56	307788	7.372	ug/l		99
43) Dibromomethane	6.93	93	102511	8.422	ug/l		99
44) Bromodichloromethane	7.12	83	257188	9.100	ug/l		98

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.81	43	783238	49.011 ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	68834m	10.893 ug/l	
47) Methyl methacrylate	6.98	69	94235	9.272 ug/l	98
48) Ethyl methacrylate	8.34	69	174994	10.235 ug/l	99
49) Toluene	7.98	92	403535	9.585 ug/l	100
50) t-1,3-Dichloropropene	8.22	75	234046	9.582 ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	248786	9.294 ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	146192	9.499 ug/l	95
53) 1,3-Dichloropropane	8.58	76	253872	9.188 ug/l	99
54) 2-Hexanone	8.70	43	557538	49.936 ug/l	99
55) Dibromochloromethane	8.82	129	168207	9.115 ug/l	98
56) 1,2-Dibromoethane	8.93	107	137404	9.629 ug/l	99
58) Tetrachloroethene	8.56	164	142041	8.396 ug/l	99
59) Chlorobenzene	9.45	112	411512	9.233 ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.54	131	160376	9.158 ug/l	99
61) Pentachloroethane	11.43	117	134977	9.542 ug/l	98
62) Hexachloroethane	12.47	117	125621	8.725 ug/l	96
63) Ethyl Benzene	9.57	91	757276	10.258 ug/l	98
64) m/p-Xylenes	9.69	106	594525	18.227 ug/l	99
65) o-Xylene	10.10	106	266060	10.263 ug/l	99
66) Styrene	10.11	104	494129	9.171 ug/l	99
67) Bromoform	10.29	173	93676	9.379 ug/l	97
69) Isopropylbenzene	10.48	105	757689	10.959 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	196521	9.385 ug/l	100
71) 1,2,3-Trichloropropane	10.82	75	160695m	10.066 ug/l	
72) Bromobenzene	10.78	156	177298	9.836 ug/l	97
73) n-propylbenzene	10.90	120	203544	8.898 ug/l	97
74) 2-Chlorotoluene	10.98	126	178033	9.924 ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	675567	9.402 ug/l	99
76) 4-Chlorotoluene	11.10	126	193870	10.427 ug/l	99
77) tert-Butylbenzene	11.42	119	596508	10.208 ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	694776	9.327 ug/l	100
79) sec-Butylbenzene	11.64	105	789222	9.728 ug/l	99
80) Nitrobenzene	13.20	77	9901	9.997 ug/l	96
81) p-Isopropyltoluene	11.79	119	734970	9.344 ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	365336	9.291 ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	375289	9.439 ug/l	99
84) n-Butylbenzene	12.20	91	730945	10.763 ug/l	99
85) 1,2-Dichlorobenzene	12.20	146	358188	9.523 ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	37397	9.566 ug/l	97
87) 1,2,4-Trichlorobenzene	13.83	180	245058	11.116 ug/l	99
88) Hexachlorobutadiene	14.01	225	120771	9.758 ug/l	99
89) Naphthalene	14.08	128	515921	9.337 ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	237022	11.050 ug/l	100

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

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