Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090920\
Data File : VU040064.D
Acq On : 09 Sep 2020 13:57
Operator : SY/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU090920

Manual Integrations APPROVED
MMDadoda
9/17/2020 4:47:27 PM

Quant Time: Sep 10 04:18:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U090920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 10 04:09:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	29361	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	12215	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.00%			
68) 1,2-Dichlorobenzene-d4	12.19	152	10460	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	58571	7.025	ug/l	97
3) Chloromethane	1.53	50	84539	9.586	ug/l	99
4) Vinyl Chloride	1.61	62	84695	9.767	ug/l	99
5) Bromomethane	1.86	94	55897	10.707	ug/l	99
6) Chloroethane	1.94	64	54103	9.461	ug/l	97
7) Trichlorofluoromethane	2.15	101	133355	10.245	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	69642	9.273	ug/l	99
9) 1,1-Dichloroethene	2.59	96	68029	10.713	ug/l	96
10) Iodomethane	2.74	142	79093	10.626	ug/l	97
11) Allyl Chloride	2.94	41	133067	10.609	ug/l	96
12) Acrylonitrile	3.34	53	109527	49.613	ug/l	98
13) Acetone	2.65	43	118063	58.347	ug/l	95
14) Carbon Disulfide	2.81	76	209484	11.879	ug/l	99
15) Methylene Chloride	3.06	84	85929	11.225	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	76698	11.124	ug/l	96
17) 1,1-Dichloroethane	3.89	63	150119	9.979	ug/l	98
18) 2-Butanone	4.74	43	159866	51.801	ug/l	99
19) Cyclohexane	5.40	56	131190m	10.499	ug/l	
20) Methylcyclohexane	6.77	83	134086	11.578	ug/l	99
21) 2,2-Dichloropropane	4.68	77	132943	9.307	ug/l	100
22) cis-1,2-Dichloroethene	4.69	96	87697	10.921	ug/l	99
23) Diethyl Ether	2.39	59	58152	9.665	ug/l	100
24) tert-Butyl Alcohol	3.24	59	39045	48.219	ug/l	98
25) Methyl tert-Butyl Ether	3.39	73	214786	10.142	ug/l	100
26) Bromochloromethane	4.99	128	33955	9.734	ug/l	99
27) Chloroform	5.11	83	154888	10.142	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	135321	10.189	ug/l	100
29) 1,1-Dichloropropene	5.54	75	121793	10.777	ug/l	98
30) Carbon Tetrachloride	5.54	117	124721	10.352	ug/l	99
31) Isopropyl Ether	4.02	45	273843	10.573	ug/l #	1
34) Propionitrile	4.82	54	86566	110.788	ug/l	99
35) Benzene	5.79	78	340287	10.874	ug/l	99
36) 1,2-Dichloroethane	5.81	62	128817	10.581	ug/l	100
37) Trichloroethene	6.55	130	84722	10.648	ug/l	100
38) 1,2-Dichloropropane	6.81	63	94122	10.388	ug/l	100
39) Methacrylonitrile	5.00	41	38759	9.272	ug/l	99
40) Methyl acrylate	4.87	55	54034	10.079	ug/l #	91
41) Tetrahydrofuran	5.09	42	98405	48.994	ug/l	96
42) 1-Chlorobutane	5.47	56	178262	10.675	ug/l	99
43) Dibromomethane	6.93	93	53467	10.211	ug/l	96
44) Bromodichloromethane	7.12	83	131768	10.483	ug/l	96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 10 04:09:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.81	43	386417	54.171 ug/l		100
46) t-1,4-Dichloro-2-butene	10.83	75	34629m	12.689 ug/l		
47) Methyl methacrylate	6.98	69	48412	10.786 ug/l		98
48) Ethyl methacrylate	8.34	69	93214	11.429 ug/l		97
49) Toluene	7.98	92	212504	11.235 ug/l		99
50) t-1,3-Dichloropropene	8.22	75	126950	11.197 ug/l		99
51) cis-1,3-Dichloropropene	7.62	75	136415	10.808 ug/l		97
52) 1,1,2-Trichloroethane	8.41	97	70870	10.565 ug/l		97
53) 1,3-Dichloropropane	8.58	76	126991	10.545 ug/l		99
54) 2-Hexanone	8.69	43	285640	55.235 ug/l		100
55) Dibromochloromethane	8.82	129	82978	10.601 ug/l		99
56) 1,2-Dibromoethane	8.93	107	69884	11.155 ug/l		95
58) Tetrachloroethene	8.56	164	85386	11.057 ug/l		99
59) Chlorobenzene	9.45	112	220803	10.527 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.54	131	83727	10.900 ug/l		99
61) Pentachloroethane	11.42	117	53087	10.136 ug/l		97
62) Hexachloroethane	12.47	117	70836	10.642 ug/l		100
63) Ethyl Benzene	9.57	91	422900	11.816 ug/l		100
64) m/p-Xylenes	9.69	106	319224	23.872 ug/l		99
65) o-Xylene	10.10	106	148353	11.492 ug/l		98
66) Styrene	10.11	104	263146	11.606 ug/l		99
67) Bromoform	10.29	173	44513	11.043 ug/l		97
69) Isopropylbenzene	10.48	105	415444	11.693 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.78	83	90390	10.079 ug/l		95
71) 1,2,3-Trichloropropane	10.83	75	66461m	9.544 ug/l		
72) Bromobenzene	10.78	156	90318	10.897 ug/l		97
73) n-propylbenzene	10.91	120	109885	11.249 ug/l		98
74) 2-Chlorotoluene	10.98	126	93003	10.897 ug/l		99
75) 1,3,5-Trimethylbenzene	11.09	105	373868	12.015 ug/l		99
76) 4-Chlorotoluene	11.10	126	101046	10.979 ug/l		97
77) tert-Butylbenzene	11.42	119	324395	11.208 ug/l		100
78) 1,2,4-Trimethylbenzene	11.46	105	376222	11.528 ug/l		100
79) sec-Butylbenzene	11.64	105	436650	10.415 ug/l		100
80) Nitrobenzene	13.20	77	4217	11.724 ug/l	#	96
81) p-Isopropyltoluene	11.79	119	398173	11.927 ug/l		99
82) 1,3-Dichlorobenzene	11.74	146	192009	10.519 ug/l		100
83) 1,4-Dichlorobenzene	11.83	146	189943	10.471 ug/l		99
84) n-Butylbenzene	12.20	91	409791	11.944 ug/l		99
85) 1,2-Dichlorobenzene	12.20	146	179946	10.252 ug/l		100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	19199	11.502 ug/l		98
87) 1,2,4-Trichlorobenzene	13.83	180	118227	11.670 ug/l		97
88) Hexachlorobutadiene	14.01	225	57672	11.005 ug/l		100
89) Naphthalene	14.08	128	255736	10.337 ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	110579	11.719 ug/l		99

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

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