Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072319\
Data File : VU033372.D
Acq On : 23 Jul 2019 11:00
Operator : JC/SP
Sample : K3591-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/25/2019 3:05:17 PM

Quant Time: Jul 25 11:11:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 02:46:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.72	96	26743	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.30	95	8920	0.85	ug/l		0.00
Spiked Amount 1.000			Recovery = 85.00%				
68) 1,2-Dichlorobenzene-d4	11.85	152	9550	0.88	ug/l		0.00
Spiked Amount 1.000			Recovery = 88.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	2861	0.259	ug/l		91
3) Chloromethane	1.33	50	3771	0.309	ug/l		100
4) Vinyl Chloride	1.40	62	3575	0.262	ug/l		93
5) Bromomethane	1.62	94	2971	0.346	ug/l		99
6) Chloroethane	1.69	64	2356	0.246	ug/l		90
7) Trichlorofluoromethane	1.88	101	4824	0.258	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2514	0.261	ug/l		98
9) 1,1-Dichloroethene	2.27	96	2814	0.296	ug/l		99
11) Allyl Chloride	2.58	41	4262	0.272	ug/l		92
12) Acrylonitrile	2.93	53	1967	0.742	ug/l	#	64
13) Acetone	2.32	43	4295	1.898	ug/l		95
14) Carbon Disulfide	2.46	76	9509	0.263	ug/l		96
15) Methylene Chloride	2.68	84	4353	0.340	ug/l		98
16) trans-1,2-Dichloroethene	2.96	96	3266	0.289	ug/l		94
17) 1,1-Dichloroethane	3.42	63	4029	0.266	ug/l	#	93
18) 2-Butanone	4.29	43	2197m	1.017	ug/l		
19) Cyclohexane	4.97	56	2586	0.233	ug/l		95
20) Methylcyclohexane	6.39	83	2472	0.221	ug/l		90
21) 2,2-Dichloropropane	4.20	77	4131	0.322	ug/l		93
22) cis-1,2-Dichloroethene	4.20	96	2120	0.248	ug/l	#	68
23) Diethyl Ether	2.09	59	2222	0.271	ug/l		93
24) tert-Butyl Alcohol	2.83	59	3956m	3.143	ug/l		
25) Methyl tert-Butyl Ether	2.99	73	7208	0.263	ug/l		94
26) Bromochloromethane	4.53	128	860	0.229	ug/l		93
27) Chloroform	4.65	83	6779	0.392	ug/l		97
28) 1,1,1-Trichloroethane	4.89	97	3734	0.279	ug/l		93
29) 1,1-Dichloropropene	5.11	75	2907	0.263	ug/l		93
30) Carbon Tetrachloride	5.10	117	2899	0.246	ug/l		98
31) Isopropyl Ether	3.56	45	4482	0.234	ug/l		80
32) Ethyl-t-butyl ether	4.05	59	4477	0.243	ug/l	#	80
33) Tert-Amyl methyl ether	5.57	73	3476	0.210	ug/l		94
34) Propionitrile	4.38	54	629m	1.015	ug/l		
35) Benzene	5.37	78	7574	0.237	ug/l		96
36) 1,2-Dichloroethane	5.39	62	2489	0.234	ug/l	#	77
37) Trichloroethene	6.17	130	2180	0.259	ug/l		99
38) 1,2-Dichloropropane	6.41	63	2040	0.232	ug/l		91
41) Tetrahydrofuran	4.65	42	358m	0.290	ug/l		
42) 1-Chlorobutane	5.04	56	3646	0.246	ug/l		99
43) Dibromomethane	6.55	93	1287	0.264	ug/l		87
44) Bromodichloromethane	6.74	83	3256	0.277	ug/l		99
45) 4-Methyl-2-Pentanone	7.45	43	5565	1.119	ug/l	#	87

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 24 02:46:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.51	75	743m	0.370	ug/l		
47) Methyl methacrylate	6.62	69	1343	0.361	ug/l	#	88
49) Toluene	7.62	92	3831	0.209	ug/l		95
50) t-1,3-Dichloropropene	7.87	75	1983	0.202	ug/l		91
51) cis-1,3-Dichloropropene	7.26	75	2525	0.218	ug/l	#	92
52) 1,1,2-Trichloroethane	8.05	97	1345	0.206	ug/l	#	74
53) 1,3-Dichloropropane	8.23	76	2544	0.231	ug/l		97
54) 2-Hexanone	8.36	43	3339	0.953	ug/l		83
55) Dibromochloromethane	8.47	129	1860	0.244	ug/l		100
56) 1,2-Dibromoethane	8.58	107	1327	0.218	ug/l		99
58) Tetrachloroethene	8.21	164	1956	0.256	ug/l		95
59) Chlorobenzene	9.11	112	4807	0.229	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.19	131	1905	0.239	ug/l	#	91
61) Pentachloroethane	11.09	117	1572	0.240	ug/l		96
62) Hexachloroethane	12.13	117	1558	0.246	ug/l		92
63) Ethyl Benzene	9.23	91	6800	0.202	ug/l		99
64) m/p-Xylenes	9.36	106	4976	0.370	ug/l		100
67) Bromoform	9.95	173	959	0.233	ug/l	#	79
70) 1,1,2,2-Tetrachloroethane	10.44	83	2152	0.249	ug/l	#	92
71) 1,2,3-Trichloropropane	10.48	75	1681m	0.252	ug/l		
72) Bromobenzene	10.44	156	1797	0.206	ug/l		99
77) tert-Butylbenzene	11.09	119	5695	0.202	ug/l		96
82) 1,3-Dichlorobenzene	11.40	146	3768	0.203	ug/l		91
83) 1,4-Dichlorobenzene	11.50	146	3865	0.210	ug/l		95
85) 1,2-Dichlorobenzene	11.86	146	3855	0.221	ug/l		94
86) 1,2-Dibromo-3-Chloropropan	12.65	75	306	0.225	ug/l	#	48
88) Hexachlorobutadiene	13.68	225	1641	0.257	ug/l		91

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

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