Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031020\
Data File : VU037148.D
Acq On : 10 Mar 2020 12:37
Operator : JC/MD
Sample : L1161-09 0.25 ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2020

Quant Time: Mar 10 13:02:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:46:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	14225	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.65	95	4590	0.83	ug/l		0.00
Spiked Amount 1.000			Recovery = 83.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	4643	0.83	ug/l		0.00
Spiked Amount 1.000			Recovery = 83.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	2119	0.305	ug/l		87
3) Chloromethane	1.54	50	2057	0.298	ug/l		93
4) Vinyl Chloride	1.62	62	1676	0.276	ug/l	#	77
5) Bromomethane	1.87	94	645	0.305	ug/l		82
6) Chloroethane	1.95	64	740	0.255	ug/l		96
7) Trichlorofluoromethane	2.16	101	2064	0.280	ug/l		88
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	884	0.256	ug/l	#	77
9) 1,1-Dichloroethene	2.60	96	830	0.252	ug/l		51
11) Allyl Chloride	2.95	41	1959	0.307	ug/l	#	65
12) Acrylonitrile	3.36	53	357	0.459	ug/l		88
13) Acetone	2.66	43	1505	1.740	ug/l	#	70
14) Carbon Disulfide	2.82	76	3320	0.303	ug/l	#	92
15) Methylene Chloride	3.08	84	1218	0.295	ug/l	#	71
16) trans-1,2-Dichloroethene	3.38	96	966	0.277	ug/l	#	83
17) 1,1-Dichloroethane	3.91	63	2279	0.281	ug/l	#	82
18) 2-Butanone	4.77	43	1730	1.309	ug/l		75
19) Cyclohexane	5.41	56	1514	0.220	ug/l	#	57
20) Methylcyclohexane	6.80	83	1503	0.221	ug/l	#	79
21) 2,2-Dichloropropane	4.70	77	2002	0.271	ug/l	#	69
22) cis-1,2-Dichloroethene	4.70	96	1028	0.238	ug/l		72
23) Diethyl Ether	2.40	59	704	0.253	ug/l	#	67
24) tert-Butyl Alcohol	3.24	59	1016	3.335	ug/l	#	1
25) Methyl tert-Butyl Ether	3.41	73	2907	0.302	ug/l	#	56
26) Bromochloromethane	5.02	128	404	0.212	ug/l		55
27) Chloroform	5.13	83	2582	0.296	ug/l		94
28) 1,1,1-Trichloroethane	5.36	97	1990	0.268	ug/l		95
29) 1,1-Dichloropropene	5.56	75	1607	0.266	ug/l	#	48
30) Carbon Tetrachloride	5.56	117	1717	0.264	ug/l	#	90
31) Isopropyl Ether	4.05	45	3303	0.255	ug/l		82
32) Ethyl-t-butyl ether	4.55	59	3020	0.247	ug/l	#	82
33) Tert-Amyl methyl ether	5.99	73	2109	0.201	ug/l	#	95
35) Benzene	5.81	78	4368	0.254	ug/l		93
36) 1,2-Dichloroethane	5.84	62	1592	0.256	ug/l	#	88
37) Trichloroethene	6.57	130	1379	0.306	ug/l		92
38) 1,2-Dichloropropane	6.83	63	1151	0.244	ug/l	#	88
41) Tetrahydrofuran	5.12	42	332	0.397	ug/l	#	27
42) 1-Chlorobutane	5.50	56	2252	0.259	ug/l		82
43) Dibromomethane	6.95	93	601	0.249	ug/l		91
44) Bromodichloromethane	7.13	83	1475	0.235	ug/l	#	96
45) 4-Methyl-2-Pentanone	7.83	43	3779	1.167	ug/l	#	83
46) t-1,4-Dichloro-2-butene	10.85	75	478m	0.539	ug/l		

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:46:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl methacrylate	7.00	69	879	0.440	ug/l	#	68
48) Ethyl methacrylate	8.36	69	793	0.201	ug/l	#	57
49) Toluene	8.00	92	2332	0.225	ug/l		99
51) cis-1,3-Dichloropropene	7.64	75	1395	0.216	ug/l	#	75
52) 1,1,2-Trichloroethane	8.43	97	744	0.231	ug/l		90
53) 1,3-Dichloropropane	8.60	76	1326	0.232	ug/l	#	86
54) 2-Hexanone	8.72	43	2365	1.060	ug/l	#	72
55) Dibromochloromethane	8.83	129	873	0.219	ug/l		82
56) 1,2-Dibromoethane	8.95	107	748	0.245	ug/l		83
58) Tetrachloroethene	8.58	164	1103	0.261	ug/l	#	72
59) Chlorobenzene	9.47	112	2985	0.258	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.56	131	998	0.236	ug/l		89
61) Pentachloroethane	11.44	117	793	0.245	ug/l		94
62) Hexachloroethane	12.49	117	815	0.236	ug/l		83
63) Ethyl Benzene	9.59	91	3991	0.202	ug/l		96
64) m/p-Xylenes	9.71	106	3230	0.432	ug/l		95
65) o-Xylene	10.12	106	1574	0.218	ug/l		93
67) Bromoform	10.31	173	521	0.248	ug/l	#	52
70) 1,1,2,2-Tetrachloroethane	10.80	83	991	0.234	ug/l	#	82
71) 1,2,3-Trichloropropane	10.84	75	809m	0.234	ug/l		
72) Bromobenzene	10.81	156	992	0.209	ug/l		80
74) 2-Chlorotoluene	11.00	126	1083	0.230	ug/l		95
82) 1,3-Dichlorobenzene	11.77	146	2051	0.218	ug/l		96
83) 1,4-Dichlorobenzene	11.85	146	2116	0.222	ug/l		93
85) 1,2-Dichlorobenzene	12.23	146	2161	0.237	ug/l		99
88) Hexachlorobutadiene	14.06	225	625	0.220	ug/l		90
89) Naphthalene	14.12	128	1033	0.386	ug/l	#	72

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

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