Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030920\
Data File : VU037137.D
Acq On : 09 Mar 2020 17:08
Operator : JC/MD
Sample : L1161-07 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT1-2020

Manual Integrations APPROVED
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3/10/2020 3:07:14 PM

Quant Time: Mar 10 08:55:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 18:12:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	15123	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.66	95	5037	0.86	ug/l		0.00
Spiked Amount 1.000			Recovery = 86.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	5207	0.87	ug/l		0.00
Spiked Amount 1.000			Recovery = 87.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	1904	0.258	ug/l		96
3) Chloromethane	1.54	50	2092	0.285	ug/l		91
4) Vinyl Chloride	1.62	62	1770	0.274	ug/l		100
6) Chloroethane	1.96	64	1015	0.328	ug/l		100
7) Trichlorofluoromethane	2.16	101	1992	0.254	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	825	0.224	ug/l	#	78
9) 1,1-Dichloroethene	2.60	96	978	0.280	ug/l		86
11) Allyl Chloride	2.95	41	2066	0.305	ug/l	#	78
12) Acrylonitrile	3.36	53	371	0.449	ug/l	#	80
13) Acetone	2.66	43	1517	1.650	ug/l	#	81
14) Carbon Disulfide	2.82	76	3138	0.269	ug/l		98
15) Methylene Chloride	3.08	84	2077	0.473	ug/l	#	83
16) trans-1,2-Dichloroethene	3.38	96	868	0.234	ug/l		94
17) 1,1-Dichloroethane	3.91	63	1961	0.228	ug/l	#	82
18) 2-Butanone	4.77	43	1745	1.242	ug/l		75
19) Cyclohexane	5.42	56	1538	0.210	ug/l	#	83
20) Methylcyclohexane	6.79	83	1727	0.238	ug/l	#	87
21) 2,2-Dichloropropane	4.71	77	1912	0.243	ug/l	#	80
22) cis-1,2-Dichloroethene	4.71	96	976	0.212	ug/l		57
24) tert-Butyl Alcohol	3.23	59	3701	11.426	ug/l	#	75
25) Methyl tert-Butyl Ether	3.41	73	2810	0.274	ug/l	#	63
27) Chloroform	5.13	83	2412	0.260	ug/l		94
28) 1,1,1-Trichloroethane	5.36	97	2085	0.264	ug/l		90
29) 1,1-Dichloropropene	5.57	75	1487	0.232	ug/l	#	85
30) Carbon Tetrachloride	5.56	117	1598	0.231	ug/l		87
31) Isopropyl Ether	4.05	45	3096	0.225	ug/l		78
32) Ethyl-t-butyl ether	4.56	59	3097	0.239	ug/l		93
33) Tert-Amyl methyl ether	5.99	73	2300	0.207	ug/l	#	97
35) Benzene	5.81	78	4653	0.255	ug/l		95
36) 1,2-Dichloroethane	5.84	62	1684	0.255	ug/l	#	73
37) Trichloroethene	6.58	130	1378	0.288	ug/l		90
38) 1,2-Dichloropropane	6.83	63	1037	0.207	ug/l		97
41) Tetrahydrofuran	5.11	42	390	0.438	ug/l	#	27
42) 1-Chlorobutane	5.49	56	2151	0.233	ug/l		78
43) Dibromomethane	6.95	93	596	0.232	ug/l	#	82
44) Bromodichloromethane	7.14	83	1549	0.232	ug/l	#	94
45) 4-Methyl-2-Pentanone	7.83	43	4388	1.275	ug/l	#	85
46) t-1,4-Dichloro-2-butene	10.85	75	590m	0.626	ug/l		
47) Methyl methacrylate	7.00	69	721	0.340	ug/l	#	33
49) Toluene	8.00	92	2283	0.207	ug/l		93
50) t-1,3-Dichloropropene	8.24	75	1229	0.204	ug/l		95

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
51) cis-1,3-Dichloropropene	7.64	75	1489	0.217 ug/l #	80
52) 1,1,2-Trichloroethane	8.43	97	724	0.211 ug/l #	87
53) 1,3-Dichloropropane	8.60	76	1413	0.233 ug/l	95
54) 2-Hexanone	8.73	43	2412	1.017 ug/l	82
55) Dibromochloromethane	8.83	129	941	0.222 ug/l	98
58) Tetrachloroethene	8.58	164	1368	0.304 ug/l #	81
59) Chlorobenzene	9.47	112	3302	0.269 ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.56	131	1035	0.230 ug/l	96
61) Pentachloroethane	11.45	117	749	0.218 ug/l	82
62) Hexachloroethane	12.49	117	815	0.222 ug/l #	69
64) m/p-Xylenes	9.72	106	3088	0.389 ug/l	83
65) o-Xylene	10.12	106	1616	0.211 ug/l	98
69) Isopropylbenzene	10.51	105	4284	0.205 ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.81	83	1109	0.246 ug/l #	83
74) 2-Chlorotoluene	11.01	126	1031	0.206 ug/l	86
75) 1,3,5-Trimethylbenzene	11.11	105	3667	0.203 ug/l #	84
85) 1,2-Dichlorobenzene	12.23	146	2056	0.212 ug/l	97
88) Hexachlorobutadiene	14.06	225	683	0.226 ug/l	86
90) 1,2,3-Trichlorobenzene	14.37	180	965	0.203 ug/l	95

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

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