Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
Data File : VU054853.D
Acq On : 24 Jul 2023 12:14
Operator : MD/SY
Sample : 03572-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 25 05:35:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 25 05:02:28 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Manual Integrations APPROVED
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.113	96	27574	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.631	95	8860	1.064 ug/l	0.00
Spiked Amount 1.000			Recovery = 106.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	9508	0.986 ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%		
Target Compounds					Qvalue
3) Chloromethane	1.518	50	1917	0.301 ug/l #	79
4) Vinyl Chloride	1.602	62	1785	0.218 ug/l	90
5) Bromomethane	1.856	94	1533	0.264 ug/l #	75
6) Chloroethane	1.930	64	2127	0.275 ug/l	99
7) Trichlorofluoromethane	2.129	101	9374	0.473 ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	1180	0.208 ug/l	88
9) 1,1-Dichloroethene	2.570	96	1175	0.248 ug/l	74
11) Allyl Chloride	2.917	41	1334	0.240 ug/l	97
13) Acetone	2.653	43	1709m	1.727 ug/l	
14) Carbon Disulfide	2.789	76	2076	0.260 ug/l #	64
15) Methylene Chloride	3.039	84	4697	0.531 ug/l	90
16) trans-1,2-Dichloroethene	3.351	96	1349	0.256 ug/l #	55
17) 1,1-Dichloroethane	3.869	63	2824	0.253 ug/l #	81
18) 2-Butanone	4.779	43	1608m	1.111 ug/l	
19) Cyclohexane	5.390	56	1831m	0.284 ug/l	
20) Methylcyclohexane	6.759	83	1988	0.232 ug/l #	88
21) 2,2-Dichloropropane	4.650	77	2176	0.224 ug/l #	55
23) Diethyl Ether	2.371	59	1637	0.225 ug/l #	86
24) tert-Butyl Alcohol	3.306	59	215m	0.342 ug/l	
25) Methyl tert-Butyl Ether	3.364	73	3504	0.242 ug/l	94
27) Chloroform	5.084	83	2873	0.234 ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	2164	0.210 ug/l	79
29) 1,1-Dichloropropene	5.522	75	1661m	0.227 ug/l	
31) Isopropyl Ether	3.994	45	3466	0.210 ug/l	94
32) Ethyl-t-butyl ether	4.499	59	3844	0.227 ug/l #	73
33) Tert-Amyl methyl ether	5.936	73	3959	0.248 ug/l #	61
35) Benzene	5.772	78	5646	0.237 ug/l #	81
36) 1,2-Dichloroethane	5.804	62	1437	0.210 ug/l #	73
37) Trichloroethene	6.541	130	1377	0.214 ug/l	86
38) 1,2-Dichloropropane	6.785	63	1517	0.221 ug/l #	76
39) Methacrylonitrile	5.001	41	374m	0.243 ug/l	
41) Tetrahydrofuran	5.087	42	347m	0.381 ug/l	
42) 1-Chlorobutane	5.451	56	2177m	0.220 ug/l	
43) Dibromomethane	6.920	93	748	0.234 ug/l #	65
44) Bromodichloromethane	7.113	83	1837m	0.210 ug/l	
45) 4-Methyl-2-Pentanone	7.798	43	4185	1.106 ug/l	98
46) t-1,4-Dichloro-2-butene	10.849	75	380m	0.240 ug/l	
47) Methyl methacrylate	6.972	69	1303	0.434 ug/l #	94
49) Toluene	7.972	92	3389	0.223 ug/l	89
50) t-1,3-Dichloropropene	8.206	75	1589	0.205 ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	1897	0.201 ug/l	92
53) 1,3-Dichloropropane	8.576	76	1918	0.236 ug/l	96
54) 2-Hexanone	8.698	43	3209	1.216 ug/l	88

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55) Dibromochloromethane	8.811	129	1226	0.213	ug/l		86
58) Tetrachloroethene	8.550	164	1307	0.233	ug/l		93
59) Chlorobenzene	9.447	112	3981	0.220	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.531	131	1314	0.206	ug/l	#	84
61) Pentachloroethane	11.422	117	1132	0.225	ug/l		88
63) Ethyl Benzene	9.566	91	7120	0.231	ug/l		97
64) m/p-Xylenes	9.698	106	5372	0.460	ug/l		90
65) o-Xylene	10.100	106	2571	0.219	ug/l		98
66) Styrene	10.116	104	4917	0.260	ug/l		95
67) Bromoform	10.283	173	671	0.216	ug/l	#	83
69) Isopropylbenzene	10.480	105	7769	0.244	ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.782	83	1460	0.243	ug/l		94
71) 1,2,3-Trichloropropane	10.830	75	1411	0.333	ug/l	#	46
72) Bromobenzene	10.788	156	1676	0.228	ug/l		88
73) n-propylbenzene	10.907	120	1769	0.206	ug/l		79
74) 2-Chlorotoluene	10.984	126	1897	0.254	ug/l		95
75) 1,3,5-Trimethylbenzene	11.087	105	5724	0.220	ug/l		97
76) 4-Chlorotoluene	11.100	126	1819	0.237	ug/l		90
77) tert-Butylbenzene	11.418	119	5952	0.222	ug/l		96
78) 1,2,4-Trimethylbenzene	11.467	105	6110	0.234	ug/l		97
79) sec-Butylbenzene	11.640	105	7999	0.230	ug/l		98
80) Nitrobenzene	13.219	77	45	0.258	ug/l	#	19
81) p-Isopropyltoluene	11.788	119	6515	0.230	ug/l		99
82) 1,3-Dichlorobenzene	11.746	146	3793	0.257	ug/l		99
83) 1,4-Dichlorobenzene	11.840	146	3792	0.257	ug/l		95
84) n-Butylbenzene	12.206	91	7154	0.275	ug/l		98
85) 1,2-Dichlorobenzene	12.209	146	3841	0.274	ug/l		99
87) 1,2,4-Trichlorobenzene	13.840	180	3288	0.366	ug/l		94
88) Hexachlorobutadiene	14.010	225	1315	0.274	ug/l	#	88
89) Naphthalene	14.090	128	7189	0.494	ug/l		97
90) 1,2,3-Trichlorobenzene	14.328	180	2967	0.382	ug/l		93

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

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