Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
Data File : VU055804.D
Acq On : 18 Oct 2023 17:31
Operator : MD/SY
Sample : 04699-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 19 04:20:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 19 04:18:56 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	91730	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	31887	0.881	ug/l	0.00
Spiked Amount 1.000			Recovery =	88.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	30681	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.384	85	10564	0.297	ug/l	99
3) Chloromethane	1.515	50	10524	0.346	ug/l	94
4) Vinyl Chloride	1.602	62	10449	0.335	ug/l	96
5) Bromomethane	1.853	94	6438	0.375	ug/l	95
6) Chloroethane	1.933	64	4994	0.330	ug/l	99
7) Trichlorofluoromethane	2.136	101	13426	0.326	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	9025	0.329	ug/l	96
9) 1,1-Dichloroethene	2.577	96	8378	0.327	ug/l	95
10) Iodomethane	2.718	142	10208	0.268	ug/l	96
11) Allyl Chloride	2.921	41	10876	0.327	ug/l	92
12) Acrylonitrile	3.339	53	3216	0.669	ug/l #	76
13) Acetone	2.638	43	14999	1.462	ug/l	99
14) Carbon Disulfide	2.792	76	28183	0.337	ug/l	99
15) Methylene Chloride	3.040	84	12891	0.427	ug/l	93
16) trans-1,2-Dichloroethene	3.355	96	9562	0.353	ug/l	93
17) 1,1-Dichloroethane	3.869	63	16875	0.335	ug/l	97
18) 2-Butanone	4.731	43	13545	1.226	ug/l	96
19) Cyclohexane	5.383	56	13464m	0.313	ug/l	
20) Methylcyclohexane	6.756	83	12540	0.281	ug/l	93
21) 2,2-Dichloropropane	4.663	77	14082	0.332	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	8985	0.311	ug/l	93
23) Diethyl Ether	2.374	59	5213	0.341	ug/l	93
24) tert-Butyl Alcohol	3.181	59	7241m	4.616	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	17821	0.324	ug/l	98
26) Bromochloromethane	4.975	128	3971	0.324	ug/l	98
27) Chloroform	5.084	83	17044	0.329	ug/l	92
28) 1,1,1-Trichloroethane	5.313	97	15263	0.329	ug/l	98
29) 1,1-Dichloropropene	5.528	75	11693	0.318	ug/l	99
30) Carbon Tetrachloride	5.522	117	12883	0.318	ug/l	90
31) Isopropyl Ether	3.988	45	22010	0.325	ug/l	92
32) Ethyl-t-butyl ether	4.499	59	21259	0.325	ug/l	97
33) Tert-Amyl methyl ether	5.940	73	16861	0.301	ug/l	99
34) Propionitrile	4.818	54	2757m	1.577	ug/l	
35) Benzene	5.773	78	36183	0.325	ug/l	98
36) 1,2-Dichloroethane	5.798	62	9874	0.327	ug/l	98
37) Trichloroethene	6.541	130	10028	0.346	ug/l	98
38) 1,2-Dichloropropane	6.789	63	9248	0.318	ug/l	99
39) Methacrylonitrile	5.001	41	1766m	0.271	ug/l	
40) Methyl acrylate	4.888	55	2676m	0.255	ug/l	
41) Tetrahydrofuran	5.075	42	2744	0.743	ug/l #	60
42) 1-Chlorobutane	5.457	56	14263	0.291	ug/l	96
43) Dibromomethane	6.917	93	4641	0.336	ug/l	98
44) Bromodichloromethane	7.104	83	11827	0.324	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	22653	1.586	ug/l		96
46) t-1,4-Dichloro-2-butene	10.840	75	2066m	0.364	ug/l		
47) Methyl methacrylate	6.969	69	6727	0.590	ug/l		96
48) Ethyl methacrylate	8.342	69	6628	0.306	ug/l		98
49) Toluene	7.972	92	20695	0.314	ug/l		90
50) t-1,3-Dichloropropene	8.213	75	10035	0.311	ug/l		99
51) cis-1,3-Dichloropropene	7.609	75	12433	0.315	ug/l		96
52) 1,1,2-Trichloroethane	8.396	97	6313	0.320	ug/l		90
53) 1,3-Dichloropropane	8.576	76	11060	0.328	ug/l		97
54) 2-Hexanone	8.692	43	20512	1.282	ug/l		97
55) Dibromochloromethane	8.808	129	7380	0.310	ug/l		98
56) 1,2-Dibromoethane	8.920	107	5947	0.330	ug/l		99
58) Tetrachloroethene	8.551	164	10855	0.361	ug/l		96
59) Chlorobenzene	9.448	112	23838	0.328	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.531	131	8206	0.317	ug/l		98
61) Pentachloroethane	11.425	117	4925	0.281	ug/l		86
62) Hexachloroethane	12.470	117	5237	0.282	ug/l		96
63) Ethyl Benzene	9.570	91	35874	0.291	ug/l		95
64) m/p-Xylenes	9.695	106	26783	0.564	ug/l		96
65) o-Xylene	10.100	106	13552	0.291	ug/l		94
66) Styrene	10.116	104	20544	0.282	ug/l		98
67) Bromoform	10.290	173	3866	0.302	ug/l	#	96
69) Isopropylbenzene	10.483	105	33015	0.275	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.779	83	7408	0.321	ug/l	#	97
71) 1,2,3-Trichloropropane	10.821	75	5569m	0.291	ug/l		
72) Bromobenzene	10.782	156	8758	0.306	ug/l		81
73) n-propylbenzene	10.907	120	8124	0.263	ug/l		99
74) 2-Chlorotoluene	10.985	126	7992	0.278	ug/l		81
75) 1,3,5-Trimethylbenzene	11.087	105	27216	0.266	ug/l		99
76) 4-Chlorotoluene	11.097	126	8205	0.280	ug/l		89
77) tert-Butylbenzene	11.419	119	24932	0.265	ug/l		92
78) 1,2,4-Trimethylbenzene	11.467	105	26971	0.266	ug/l		100
79) sec-Butylbenzene	11.640	105	32262	0.272	ug/l		99
80) Nitrobenzene	13.242	77	952	1.560	ug/l	#	64
81) p-Isopropyltoluene	11.792	119	26037	0.273	ug/l		98
82) 1,3-Dichlorobenzene	11.747	146	18944	0.324	ug/l		98
83) 1,4-Dichlorobenzene	11.837	146	17641m	0.312	ug/l		
84) n-Butylbenzene	12.210	91	27806	0.342	ug/l		96
85) 1,2-Dichlorobenzene	12.213	146	18018	0.338	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	13.001	75	1199	0.364	ug/l	#	68
87) 1,2,4-Trichlorobenzene	13.843	180	11828	0.408	ug/l		98
88) Hexachlorobutadiene	14.017	225	6826	0.339	ug/l		94
89) Naphthalene	14.094	128	17193	0.409	ug/l		99
90) 1,2,3-Trichlorobenzene	14.332	180	9768	0.393	ug/l		100

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

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