Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
Data File : VU055813.D
Acq On : 19 Oct 2023 16:52
Operator : MD/SY
Sample : 04699-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 02:01:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 20 02:00:35 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	95059	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	34349	0.916	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	31730	0.913	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	11272	0.305	ug/l	97
3) Chloromethane	1.518	50	11831	0.375	ug/l	98
4) Vinyl Chloride	1.602	62	11458	0.354	ug/l	98
5) Bromomethane	1.856	94	8094	0.455	ug/l	85
6) Chloroethane	1.930	64	7150	0.457	ug/l	94
7) Trichlorofluoromethane	2.136	101	14230	0.334	ug/l	89
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	8708	0.306	ug/l	91
9) 1,1-Dichloroethene	2.579	96	8415	0.317	ug/l	92
10) Iodomethane	2.721	142	11307	0.286	ug/l	98
11) Allyl Chloride	2.920	41	11890	0.345	ug/l	98
12) Acrylonitrile	3.342	53	2920	0.586	ug/l #	68
13) Acetone	2.650	43	10867	1.022	ug/l	99
14) Carbon Disulfide	2.792	76	28153	0.325	ug/l	100
15) Methylene Chloride	3.043	84	12644	0.404	ug/l	90
16) trans-1,2-Dichloroethene	3.351	96	9105	0.324	ug/l	93
17) 1,1-Dichloroethane	3.869	63	17269	0.330	ug/l	98
18) 2-Butanone	4.747	43	10042	0.877	ug/l	94
19) Cyclohexane	5.386	56	14073m	0.316	ug/l	
20) Methylcyclohexane	6.759	83	14036	0.303	ug/l	98
21) 2,2-Dichloropropane	4.660	77	13088	0.297	ug/l	95
22) cis-1,2-Dichloroethene	4.669	96	10382	0.347	ug/l	93
23) Diethyl Ether	2.374	59	5860	0.370	ug/l	93
24) tert-Butyl Alcohol	3.184	59	7982m	4.910	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	18292	0.321	ug/l	94
26) Bromochloromethane	4.981	128	3899	0.307	ug/l	94
27) Chloroform	5.084	83	18197	0.339	ug/l	94
28) 1,1,1-Trichloroethane	5.313	97	14559	0.303	ug/l	96
29) 1,1-Dichloropropene	5.525	75	11661	0.306	ug/l	98
30) Carbon Tetrachloride	5.525	117	13526	0.322	ug/l	91
31) Isopropyl Ether	3.988	45	23074	0.329	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	21059	0.311	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	17419	0.300	ug/l	99
34) Propionitrile	4.817	54	1856	1.025	ug/l #	11
35) Benzene	5.776	78	35930	0.312	ug/l	96
36) 1,2-Dichloroethane	5.795	62	10889	0.348	ug/l #	86
37) Trichloroethene	6.541	130	9233	0.308	ug/l	90
38) 1,2-Dichloropropane	6.788	63	9695	0.322	ug/l	95
39) Methacrylonitrile	5.004	41	2269m	0.336	ug/l	
40) Methyl acrylate	4.882	55	2810	0.258	ug/l #	72
41) Tetrahydrofuran	5.078	42	2763	0.722	ug/l #	42
42) 1-Chlorobutane	5.457	56	16231	0.320	ug/l	98
43) Dibromomethane	6.917	93	4569	0.319	ug/l	95
44) Bromodichloromethane	7.100	83	11924	0.315	ug/l #	96

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	21261	1.436 ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	3205m	0.544 ug/l	
47) Methyl methacrylate	6.968	69	6552	0.555 ug/l #	95
48) Ethyl methacrylate	8.335	69	6574	0.293 ug/l	100
49) Toluene	7.968	92	20353	0.298 ug/l	94
50) t-1,3-Dichloropropene	8.216	75	9916	0.296 ug/l	96
51) cis-1,3-Dichloropropene	7.608	75	12423	0.303 ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	6505	0.318 ug/l	93
53) 1,3-Dichloropropane	8.576	76	11040	0.316 ug/l	97
54) 2-Hexanone	8.692	43	14914	0.899 ug/l	95
55) Dibromochloromethane	8.804	129	7701	0.312 ug/l	99
56) 1,2-Dibromoethane	8.923	107	6112	0.327 ug/l	97
58) Tetrachloroethene	8.550	164	10232	0.328 ug/l	89
59) Chlorobenzene	9.447	112	23407	0.311 ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.528	131	7953	0.296 ug/l	98
61) Pentachloroethane	11.418	117	5387	0.296 ug/l	99
62) Hexachloroethane	12.470	117	4820	0.250 ug/l	99
63) Ethyl Benzene	9.570	91	37943	0.297 ug/l	99
64) m/p-Xylenes	9.695	106	27893	0.567 ug/l	99
65) o-Xylene	10.097	106	13922	0.289 ug/l	97
66) Styrene	10.119	104	20400	0.270 ug/l	97
67) Bromoform	10.290	173	3815	0.288 ug/l #	95
69) Isopropylbenzene	10.483	105	34265	0.276 ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	7525	0.315 ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	5816m	0.293 ug/l	
72) Bromobenzene	10.785	156	9088	0.307 ug/l	97
73) n-propylbenzene	10.907	120	8313	0.260 ug/l	95
74) 2-Chlorotoluene	10.984	126	8950	0.301 ug/l	99
75) 1,3,5-Trimethylbenzene	11.087	105	28577	0.269 ug/l	97
76) 4-Chlorotoluene	11.100	126	8503	0.280 ug/l	94
77) tert-Butylbenzene	11.418	119	25973	0.267 ug/l	93
78) 1,2,4-Trimethylbenzene	11.467	105	28076	0.267 ug/l	96
79) sec-Butylbenzene	11.640	105	33844	0.275 ug/l	99
80) Nitrobenzene	13.229	77	893m	1.412 ug/l	
81) p-Isopropyltoluene	11.791	119	25878	0.262 ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	17670	0.292 ug/l	95
83) 1,4-Dichlorobenzene	11.836	146	18709	0.320 ug/l	95
84) n-Butylbenzene	12.209	91	26522	0.314 ug/l	99
85) 1,2-Dichlorobenzene	12.213	146	17132	0.310 ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.007	75	926	0.271 ug/l #	69
87) 1,2,4-Trichlorobenzene	13.846	180	10027	0.334 ug/l	99
88) Hexachlorobutadiene	14.016	225	6349	0.304 ug/l	95
89) Naphthalene	14.097	128	14386	0.330 ug/l	96
90) 1,2,3-Trichlorobenzene	14.331	180	8435	0.328 ug/l	99

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

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