Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
Data File : VU060343.D
Acq On : 07 Aug 2024 17:59
Operator : MD/SY
Sample : P3390-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 06:53:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
Supervised By :Semsettin Yesilyurt 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	27647	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8714	0.925	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	9902	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	3676	0.346	ug/l	94
3) Chloromethane	1.518	50	4332	0.356	ug/l	97
4) Vinyl Chloride	1.602	62	4715	0.388	ug/l	98
5) Bromomethane	1.853	94	3426	0.459	ug/l	93
6) Chloroethane	1.930	64	3158	0.429	ug/l	94
7) Trichlorofluoromethane	2.132	101	5405	0.369	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	3259	0.408	ug/l	92
9) 1,1-Dichloroethene	2.576	96	3194	0.386	ug/l	94
10) Iodomethane	2.718	142	4703	0.384	ug/l	93
11) Allyl Chloride	2.920	41	4055	0.358	ug/l	86
12) Acrylonitrile	3.373	53	583	0.270	ug/l #	71
13) Acetone	2.660	43	2652m	1.011	ug/l	
14) Carbon Disulfide	2.785	76	10623	0.379	ug/l	98
15) Methylene Chloride	3.042	84	5483	0.530	ug/l	88
16) trans-1,2-Dichloroethene	3.351	96	3242	0.366	ug/l	93
17) 1,1-Dichloroethane	3.865	63	6373	0.374	ug/l #	93
18) 2-Butanone	4.782	43	2773m	0.915	ug/l	
19) Cyclohexane	5.377	56	3751m	0.256	ug/l	
20) Methylcyclohexane	6.756	83	3830	0.329	ug/l	96
21) 2,2-Dichloropropane	4.660	77	4047	0.305	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	3159	0.333	ug/l	96
23) Diethyl Ether	2.373	59	2393	0.356	ug/l	88
24) tert-Butyl Alcohol	3.354	59	860m	1.025	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	5806	0.286	ug/l	100
26) Bromochloromethane	4.975	128	1470	0.366	ug/l	89
27) Chloroform	5.084	83	6677	0.401	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	5412	0.391	ug/l	94
29) 1,1-Dichloropropene	5.528	75	3576	0.322	ug/l	98
30) Carbon Tetrachloride	5.518	117	4679	0.415	ug/l #	85
31) Isopropyl Ether	3.988	45	6199	0.249	ug/l	77
32) Ethyl-t-butyl ether	4.496	59	6430	0.267	ug/l #	73
33) Tert-Amyl methyl ether	5.933	73	5335	0.312	ug/l	96
34) Propionitrile	4.910	54	643m	0.742	ug/l	
35) Benzene	5.772	78	12718	0.372	ug/l	95
36) 1,2-Dichloroethane	5.798	62	3758	0.396	ug/l #	87
37) Trichloroethene	6.544	130	3775	0.446	ug/l	89
38) 1,2-Dichloropropane	6.791	63	3386	0.366	ug/l	95
41) Tetrahydrofuran	5.087	42	460	0.270	ug/l #	62
42) 1-Chlorobutane	5.457	56	4736	0.310	ug/l	96
43) Dibromomethane	6.923	93	1623	0.347	ug/l	96
44) Bromodichloromethane	7.100	83	4564	0.407	ug/l	97
45) 4-Methyl-2-Pentanone	7.794	43	6771	1.542	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.836	75	1177m	0.478	ug/l	

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Methyl methacrylate	6.975	69	2020	0.532 ug/l #	93
48) Ethyl methacrylate	8.341	69	1807	0.280 ug/l	95
49) Toluene	7.965	92	6650	0.351 ug/l	92
50) t-1,3-Dichloropropene	8.212	75	3328	0.359 ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	4089	0.367 ug/l	94
52) 1,1,2-Trichloroethane	8.399	97	2525	0.368 ug/l #	92
53) 1,3-Dichloropropane	8.576	76	3903	0.356 ug/l	95
54) 2-Hexanone	8.695	43	4399m	1.293 ug/l	
55) Dibromochloromethane	8.804	129	2977	0.395 ug/l	96
56) 1,2-Dibromoethane	8.923	107	2143	0.348 ug/l	94
58) Tetrachloroethene	8.547	164	3081	0.408 ug/l	93
59) Chlorobenzene	9.444	112	8211	0.400 ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.528	131	3396	0.420 ug/l	93
61) Pentachloroethane	11.421	117	2461	0.356 ug/l	97
62) Hexachloroethane	12.466	117	2452	0.367 ug/l	94
63) Ethyl Benzene	9.566	91	10700	0.756 ug/l	96
64) m/p-Xylenes	9.692	106	7138	1.328 ug/l	97
65) o-Xylene	10.097	106	3982	0.697 ug/l	91
66) Styrene	10.113	104	5895	0.689 ug/l	97
67) Bromoform	10.283	173	1711	0.388 ug/l #	90
69) Isopropylbenzene	10.479	105	9875	0.718 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	3439	0.376 ug/l #	96
71) 1,2,3-Trichloropropane	10.817	75	2690m	0.398 ug/l	
72) Bromobenzene	10.781	156	3233	0.384 ug/l	92
73) n-propylbenzene	10.904	120	3093	0.753 ug/l	99
74) 2-Chlorotoluene	10.981	126	2692	0.581 ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	7823	0.673 ug/l	94
76) 4-Chlorotoluene	11.097	126	2795	0.599 ug/l	93
77) tert-Butylbenzene	11.412	119	9082	0.711 ug/l	95
78) 1,2,4-Trimethylbenzene	11.466	105	7509	0.695 ug/l	99
79) sec-Butylbenzene	11.640	105	10606	0.679 ug/l	99
81) p-Isopropyltoluene	11.788	119	8170	0.728 ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	6635	0.378 ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	6504	0.373 ug/l	95
84) n-Butylbenzene	12.206	91	8279	0.729 ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	6365	0.374 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	266	0.201 ug/l #	71
87) 1,2,4-Trichlorobenzene	13.836	180	3312	0.341 ug/l	98
88) Hexachlorobutadiene	14.013	225	2667	0.424 ug/l	95
89) Naphthalene	14.093	128	4147	0.241 ug/l #	94
90) 1,2,3-Trichlorobenzene	14.328	180	3093	0.326 ug/l	98

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

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