Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
Data File : VU060312.D
Acq On : 05 Aug 2024 15:14
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 06:03:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 05:58:50 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
ICVVU080524

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024
Supervised By :Semsettin Yesilyurt 08/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.104	96	33774	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	12341	1.072	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	13697	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	112627	8.670	ug/l	100
3) Chloromethane	1.522	50	122846	8.271	ug/l	99
4) Vinyl Chloride	1.599	62	131264	8.840	ug/l	97
5) Bromomethane	1.834	94	70891	7.770	ug/l	97
6) Chloroethane	1.904	64	80567	8.965	ug/l	97
7) Trichlorofluoromethane	2.120	101	165763	9.253	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	100773	10.339	ug/l	99
9) 1,1-Dichloroethene	2.567	96	100752	9.978	ug/l	99
10) Iodomethane	2.708	142	147428	9.974	ug/l	98
11) Allyl Chloride	2.911	41	149516	10.801	ug/l	95
12) Acrylonitrile	3.306	53	115235	43.680	ug/l	99
13) Acetone	2.625	43	94702	33.150	ug/l	97
14) Carbon Disulfide	2.779	76	306412	8.950	ug/l	99
15) Methylene Chloride	3.033	84	118365	9.364	ug/l	99
16) trans-1,2-Dichloroethene	3.339	96	101938	9.422	ug/l	96
17) 1,1-Dichloroethane	3.853	63	199048	9.569	ug/l	99
18) 2-Butanone	4.711	43	138178	37.327	ug/l	100
19) Cyclohexane	5.364	56	168830m	9.416	ug/l	
20) Methylcyclohexane	6.750	83	147759	10.384	ug/l	98
21) 2,2-Dichloropropane	4.650	77	161396	9.963	ug/l	100
22) cis-1,2-Dichloroethene	4.654	96	122311	10.553	ug/l	98
23) Diethyl Ether	2.371	59	74968	9.136	ug/l	99
24) tert-Butyl Alcohol	3.191	59	48357m	44.982	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	236355	9.535	ug/l	100
26) Bromochloromethane	4.962	128	71486	14.566	ug/l	98
27) Chloroform	5.078	83	194368	9.549	ug/l	100
28) 1,1,1-Trichloroethane	5.300	97	162523	9.613	ug/l	99
29) 1,1-Dichloropropene	5.509	75	123438	9.112	ug/l	100
30) Carbon Tetrachloride	5.506	117	135107	9.806	ug/l	98
31) Isopropyl Ether	3.994	45	306525	10.081	ug/l #	1
34) Propionitrile	4.779	54	92603	87.524	ug/l #	92
35) Benzene	5.760	78	415739	9.959	ug/l	98
36) 1,2-Dichloroethane	5.785	62	105773	9.118	ug/l	99
37) Trichloroethene	6.531	130	94786	9.172	ug/l	97
38) 1,2-Dichloropropane	6.785	63	106281	9.412	ug/l	98
39) Methacrylonitrile	4.972	41	33251	8.683	ug/l	98
40) Methyl acrylate	4.846	55	59723	8.907	ug/l #	93
41) Tetrahydrofuran	5.062	42	83913	40.245	ug/l	99
42) 1-Chlorobutane	5.441	56	186388	9.978	ug/l	99
43) Dibromomethane	6.911	93	55433	9.703	ug/l	98
44) Bromodichloromethane	7.100	83	137663	10.037	ug/l	100
45) 4-Methyl-2-Pentanone	7.798	43	269660	50.272	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	31970m	10.636	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	6.965	69	41521	8.957	ug/l	96
48) Ethyl methacrylate	8.335	69	86079	10.937	ug/l	99
49) Toluene	7.962	92	250989	10.843	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	115294	10.182	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	130670	9.593	ug/l	100
52) 1,1,2-Trichloroethane	8.396	97	77801	9.278	ug/l	99
53) 1,3-Dichloropropane	8.570	76	127158	9.503	ug/l	99
54) 2-Hexanone	8.689	43	202770	48.773	ug/l	98
55) Dibromochloromethane	8.805	129	89599	9.741	ug/l	97
56) 1,2-Dibromoethane	8.917	107	70461	9.370	ug/l	96
58) Tetrachloroethene	8.544	164	94187	10.198	ug/l	98
59) Chlorobenzene	9.441	112	263269	10.505	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	94793	9.600	ug/l	97
61) Pentachloroethane	11.422	117	90143	10.689	ug/l	99
62) Hexachloroethane	12.470	117	83293	10.218	ug/l	100
63) Ethyl Benzene	9.563	91	459514	9.757	ug/l	99
64) m/p-Xylenes	9.689	106	379656	19.601	ug/l	99
65) o-Xylene	10.094	106	172067	9.429	ug/l	100
66) Styrene	10.107	104	318131	10.117	ug/l	99
67) Bromoform	10.284	173	53006	9.839	ug/l	98
69) Isopropylbenzene	10.476	105	467099	9.892	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.776	83	103220	9.250	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	79460m	9.614	ug/l	
72) Bromobenzene	10.776	156	112271	10.909	ug/l	99
73) n-propylbenzene	10.901	120	125788	9.308	ug/l	98
74) 2-Chlorotoluene	10.981	126	118649	9.908	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	413119	9.808	ug/l	99
76) 4-Chlorotoluene	11.091	126	124170	9.878	ug/l	98
77) tert-Butylbenzene	11.415	119	386667	9.723	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	424977	9.686	ug/l	100
79) sec-Butylbenzene	11.637	105	531610	9.749	ug/l	100
80) Nitrobenzene	13.210	77	5096	10.399	ug/l	94
81) p-Isopropyltoluene	11.785	119	444065	9.794	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	237427	11.058	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	241051	11.310	ug/l	99
84) n-Butylbenzene	12.203	91	422639	9.739	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	231161	11.131	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	16045	9.917	ug/l	96
87) 1,2,4-Trichlorobenzene	13.833	180	151846	12.784	ug/l	99
88) Hexachlorobutadiene	14.013	225	83353	10.853	ug/l	99
89) Naphthalene	14.081	128	256566	10.692	ug/l	100
90) 1,2,3-Trichlorobenzene	14.325	180	138107	11.910	ug/l	99

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

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