Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
Data File : VU055814.D
Acq On : 19 Oct 2023 17:16
Operator : MD/SY
Sample : 04699-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 20 02:01:31 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	93103	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	35852	0.976	ug/l	0.00
Spiked Amount 1.000			Recovery =	98.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	33527	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery =	98.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	27148	0.751	ug/l	93
3) Chloromethane	1.518	50	26478	0.857	ug/l	100
4) Vinyl Chloride	1.602	62	27040	0.854	ug/l	98
5) Bromomethane	1.856	94	16466	0.945	ug/l	100
6) Chloroethane	1.930	64	15364	1.002	ug/l	100
7) Trichlorofluoromethane	2.136	101	35204	0.843	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	21423	0.770	ug/l	95
9) 1,1-Dichloroethene	2.576	96	19299	0.743	ug/l	98
10) Iodomethane	2.721	142	27940	0.722	ug/l	98
11) Allyl Chloride	2.920	41	24259	0.719	ug/l	87
12) Acrylonitrile	3.332	53	7852	1.609	ug/l #	86
13) Acetone	2.640	43	21541	2.069	ug/l	98
14) Carbon Disulfide	2.791	76	64457	0.760	ug/l	100
15) Methylene Chloride	3.042	84	24804	0.810	ug/l	94
16) trans-1,2-Dichloroethene	3.351	96	20139	0.732	ug/l	99
17) 1,1-Dichloroethane	3.865	63	39329	0.768	ug/l	98
18) 2-Butanone	4.734	43	25109	2.239	ug/l	97
19) Cyclohexane	5.386	56	32186m	0.737	ug/l	
20) Methylcyclohexane	6.759	83	32315	0.712	ug/l	100
21) 2,2-Dichloropropane	4.663	77	30879	0.716	ug/l	95
22) cis-1,2-Dichloroethene	4.666	96	23389	0.797	ug/l	97
23) Diethyl Ether	2.373	59	14600	0.940	ug/l	96
24) tert-Butyl Alcohol	3.184	59	15308m	9.614	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	42623	0.763	ug/l	97
26) Bromochloromethane	4.975	128	9259	0.745	ug/l	94
27) Chloroform	5.087	83	40566	0.772	ug/l	92
28) 1,1,1-Trichloroethane	5.312	97	36540	0.776	ug/l	95
29) 1,1-Dichloropropene	5.524	75	28734	0.771	ug/l	97
30) Carbon Tetrachloride	5.521	117	30803	0.750	ug/l	92
31) Isopropyl Ether	3.988	45	52587	0.765	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	50568	0.762	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	41672	0.733	ug/l #	92
34) Propionitrile	4.814	54	6313	3.558	ug/l #	5
35) Benzene	5.775	78	86008	0.761	ug/l	96
36) 1,2-Dichloroethane	5.795	62	25121	0.819	ug/l	99
37) Trichloroethene	6.541	130	22131	0.753	ug/l	99
38) 1,2-Dichloropropane	6.788	63	21679	0.735	ug/l	96
39) Methacrylonitrile	4.984	41	5268	0.796	ug/l #	91
40) Methyl acrylate	4.875	55	6749	0.633	ug/l #	77
41) Tetrahydrofuran	5.071	42	5837	1.557	ug/l	96
42) 1-Chlorobutane	5.457	56	37545	0.755	ug/l	100
43) Dibromomethane	6.917	93	11015	0.786	ug/l	92
44) Bromodichloromethane	7.106	83	28878	0.779	ug/l	88

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 20 02:00:35 2023
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	51818	3.574	ug/l	99
46) t-1,4-Dichloro-2-butene	10.839	75	4273m	0.741	ug/l	
47) Methyl methacrylate	6.965	69	16600	1.435	ug/l	98
48) Ethyl methacrylate	8.335	69	15941	0.726	ug/l	92
49) Toluene	7.968	92	50280	0.752	ug/l	94
50) t-1,3-Dichloropropene	8.212	75	22998	0.701	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	29726	0.741	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	14995	0.749	ug/l	92
53) 1,3-Dichloropropane	8.573	76	26237	0.767	ug/l	99
54) 2-Hexanone	8.692	43	35163	2.165	ug/l	97
55) Dibromochloromethane	8.807	129	17789	0.736	ug/l	99
56) 1,2-Dibromoethane	8.923	107	13948	0.762	ug/l	99
58) Tetrachloroethene	8.550	164	25116	0.822	ug/l	96
59) Chlorobenzene	9.447	112	56851	0.770	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	19098	0.726	ug/l	98
61) Pentachloroethane	11.421	117	12662	0.711	ug/l	92
62) Hexachloroethane	12.470	117	11368	0.603	ug/l	92
63) Ethyl Benzene	9.569	91	90504	0.722	ug/l	99
64) m/p-Xylenes	9.692	106	66942	1.390	ug/l	98
65) o-Xylene	10.100	106	34284	0.725	ug/l	100
66) Styrene	10.116	104	51790	0.701	ug/l	95
67) Bromoform	10.290	173	9155	0.705	ug/l	99
69) Isopropylbenzene	10.482	105	85964	0.707	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	17370	0.742	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	12418m	0.640	ug/l	
72) Bromobenzene	10.781	156	22670	0.781	ug/l	99
73) n-propylbenzene	10.907	120	20763	0.662	ug/l	95
74) 2-Chlorotoluene	10.984	126	21530	0.738	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	72723	0.699	ug/l	97
76) 4-Chlorotoluene	11.097	126	21163	0.712	ug/l	100
77) tert-Butylbenzene	11.415	119	64401	0.675	ug/l	97
78) 1,2,4-Trimethylbenzene	11.466	105	69008	0.670	ug/l	97
79) sec-Butylbenzene	11.640	105	76080	0.632	ug/l	99
80) Nitrobenzene	13.235	77	1635m	2.640	ug/l	
81) p-Isopropyltoluene	11.791	119	60424	0.623	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	43074	0.727	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	42445	0.740	ug/l	99
84) n-Butylbenzene	12.206	91	53136	0.643	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	39021	0.721	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.000	75	2465	0.737	ug/l	89
87) 1,2,4-Trichlorobenzene	13.842	180	19743	0.672	ug/l	95
88) Hexachlorobutadiene	14.016	225	14213	0.696	ug/l	94
89) Naphthalene	14.093	128	29830	0.698	ug/l	100
90) 1,2,3-Trichlorobenzene	14.328	180	17480	0.693	ug/l	92

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

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