Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
Data File : VU050402.D
Acq On : 22 Aug 2022 17:34
Operator : SY/MD
Sample : N3980-07 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 23 09:08:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel
08/24/2022
Supervised By :Mahesh Dadoda
08/24/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.115	96	31926	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.636	95	8343	0.768	ug/l		0.00
Spiked Amount 1.000			Recovery = 77.000%				
68) 1,2-Dichlorobenzene-d4	12.195	152	11294	0.879	ug/l		0.00
Spiked Amount 1.000			Recovery = 88.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	3195	0.242	ug/l		96
3) Chloromethane	1.524	50	5513	0.343	ug/l		91
4) Vinyl Chloride	1.604	62	3673	0.267	ug/l		96
5) Bromomethane	1.858	94	1131	0.201	ug/l		91
6) Chloroethane	1.935	64	2515	0.303	ug/l		98
7) Trichlorofluoromethane	2.141	101	4391	0.256	ug/l		96
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	2417	0.252	ug/l		97
9) 1,1-Dichloroethene	2.582	96	2538	0.270	ug/l		99
10) Iodomethane	2.723	142	581	0.075	ug/l	#	67
11) Allyl Chloride	2.926	41	4313	0.298	ug/l		99
12) Acrylonitrile	3.327	53	1247	0.442	ug/l		94
13) Acetone	2.633	43	3059	1.551	ug/l		89
14) Carbon Disulfide	2.791	76	8550	0.294	ug/l		97
15) Methylene Chloride	3.045	84	5745	0.452	ug/l		96
16) trans-1,2-Dichloroethene	3.350	96	2650	0.273	ug/l		98
17) 1,1-Dichloroethane	3.868	63	5994	0.296	ug/l	#	94
18) 2-Butanone	4.736	43	3204m	1.033	ug/l		
19) Cyclohexane	5.379	56	2449	0.167	ug/l		93
20) Methylcyclohexane	6.755	83	1862	0.161	ug/l		97
21) 2,2-Dichloropropane	4.659	77	3834	0.249	ug/l	#	85
22) cis-1,2-Dichloroethene	4.665	96	2733	0.249	ug/l		95
23) Diethyl Ether	2.379	59	2118	0.262	ug/l	#	78
24) tert-Butyl Alcohol	3.189	59	4237	4.959	ug/l	#	24
25) Methyl tert-Butyl Ether	3.372	73	7312	0.293	ug/l		93
26) Bromochloromethane	4.970	128	1367	0.310	ug/l		97
27) Chloroform	5.086	83	5640	0.288	ug/l		86
28) 1,1,1-Trichloroethane	5.315	97	4005	0.239	ug/l		96
29) 1,1-Dichloropropene	5.524	75	2702	0.202	ug/l		93
30) Carbon Tetrachloride	5.524	117	3338	0.249	ug/l		94
31) Isopropyl Ether	4.003	45	11977	0.381	ug/l		91
32) Ethyl-t-butyl ether	4.517	59	4376	0.177	ug/l		89
33) Tert-Amyl methyl ether	5.951	73	2849	0.177	ug/l		95
34) Propionitrile	4.813	54	707m	0.772	ug/l		
35) Benzene	5.774	78	9266	0.235	ug/l		94
36) 1,2-Dichloroethane	5.800	62	3322	0.276	ug/l	#	94
37) Trichloroethene	6.543	130	2344	0.248	ug/l		80
38) 1,2-Dichloropropane	6.800	63	2761	0.261	ug/l	#	84
39) Methacrylonitrile	4.999	41	699	0.186	ug/l	#	55
40) Methyl acrylate	4.868	55	1133m	0.198	ug/l		
41) Tetrahydrofuran	5.083	42	628	0.334	ug/l	#	66
42) 1-Chlorobutane	5.462	56	3424	0.179	ug/l		95
43) Dibromomethane	6.922	93	1373	0.241	ug/l		96
44) Bromodichloromethane	7.109	83	3816	0.284	ug/l	#	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.806	43	6475	1.131	ug/l	#	89
46)	t-1,4-Dichloro-2-butene	10.832	75	1224m	0.424	ug/l		
47)	Methyl methacrylate	6.977	69	1441	0.338	ug/l	#	91
48)	Ethyl methacrylate	8.340	69	1466	0.188	ug/l		92
49)	Toluene	7.970	92	3909	0.185	ug/l		87
50)	t-1,3-Dichloropropene	8.218	75	2310	0.220	ug/l		93
51)	cis-1,3-Dichloropropene	7.610	75	2926	0.244	ug/l		94
52)	1,1,2-Trichloroethane	8.404	97	2078	0.248	ug/l		96
53)	1,3-Dichloropropane	8.581	76	3254	0.247	ug/l		92
54)	2-Hexanone	8.707	43	3765	0.944	ug/l		78
55)	Dibromochloromethane	8.813	129	2504	0.272	ug/l		98
56)	1,2-Dibromoethane	8.932	107	1632	0.217	ug/l		86
58)	Tetrachloroethene	8.552	164	1761	0.198	ug/l		94
59)	Chlorobenzene	9.449	112	4878	0.213	ug/l		92
60)	1,1,1,2-Tetrachloroethane	9.533	131	2548	0.265	ug/l		98
61)	Pentachloroethane	11.433	117	1855	0.232	ug/l		100
62)	Hexachloroethane	12.475	117	1770	0.266	ug/l		92
63)	Ethyl Benzene	9.572	91	6746	0.185	ug/l		92
64)	m/p-Xylenes	9.697	106	4995	0.352	ug/l		85
65)	o-Xylene	10.099	106	2454	0.182	ug/l		97
66)	Styrene	10.118	104	3442	0.150	ug/l	#	90
67)	Bromoform	10.295	173	1299	0.248	ug/l	#	86
69)	Isopropylbenzene	10.485	105	6150	0.175	ug/l		95
70)	1,1,2,2-Tetrachloroethane	10.787	83	3007	0.261	ug/l	#	98
71)	1,2,3-Trichloropropane	10.829	75	2223m	0.256	ug/l		
72)	Bromobenzene	10.790	156	2066	0.209	ug/l		88
73)	n-propylbenzene	10.909	120	2534	0.265	ug/l		95
74)	2-Chlorotoluene	10.990	126	1550	0.167	ug/l		94
75)	1,3,5-Trimethylbenzene	11.089	105	4770	0.154	ug/l		97
76)	4-Chlorotoluene	11.099	126	1463	0.154	ug/l		77
77)	tert-Butylbenzene	11.424	119	5434	0.178	ug/l		95
78)	1,2,4-Trimethylbenzene	11.469	105	4805	0.150	ug/l		95
79)	sec-Butylbenzene	11.645	105	5990	0.149	ug/l		100
80)	Nitrobenzene	13.224	77	834	1.333	ug/l	#	70
81)	p-Isopropyltoluene	11.797	119	4040	0.126	ug/l		96
82)	1,3-Dichlorobenzene	11.748	146	3820	0.188	ug/l		95
83)	1,4-Dichlorobenzene	11.838	146	3982	0.197	ug/l		90
84)	n-Butylbenzene	12.208	91	4869	0.161	ug/l	#	90
85)	1,2-Dichlorobenzene	12.215	146	3916	0.196	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	12.993	75	387	0.213	ug/l	#	59
87)	1,2,4-Trichlorobenzene	13.848	180	2240	0.197	ug/l		89
88)	Hexachlorobutadiene	14.022	225	1768	0.238	ug/l		95
89)	Naphthalene	14.096	128	5238	0.209	ug/l		98
90)	1,2,3-Trichlorobenzene	14.333	180	2953	0.246	ug/l		90

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

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