Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
Data File : VU049647.D
Acq On : 07 Jul 2022 12:01
Operator : SY/MD
Sample : N3214-07 0.25ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 07:22:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 08 07:22:07 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2022

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
Supervised By :Semsettin Yesilyurt 07/08/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.112	96	41376	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.636	95	13494	0.890	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.000%				
68) 1,2-Dichlorobenzene-d4	12.195	152	14277	1.023	ug/l		0.00
Spiked Amount 1.000			Recovery = 102.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	2473	0.156	ug/l		99
3) Chloromethane	1.523	50	3944m	0.243	ug/l		
4) Vinyl Chloride	1.604	62	2717	0.184	ug/l		96
5) Bromomethane	1.861	94	2025	0.263	ug/l		89
6) Chloroethane	1.935	64	1683	0.203	ug/l		98
7) Trichlorofluoromethane	2.141	101	2945	0.166	ug/l		93
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	1560	0.168	ug/l		89
9) 1,1-Dichloroethene	2.581	96	1687	0.180	ug/l		98
10) Iodomethane	2.719	142	780	0.066	ug/l	#	80
11) Allyl Chloride	2.922	41	3358	0.210	ug/l		88
12) Acrylonitrile	3.324	53	1034	0.412	ug/l	#	79
13) Acetone	2.652	43	2604	1.316	ug/l	#	86
14) Carbon Disulfide	2.793	76	6086	0.197	ug/l		99
15) Methylene Chloride	3.047	84	5825	0.496	ug/l		96
16) trans-1,2-Dichloroethene	3.346	96	1831	0.186	ug/l		88
17) 1,1-Dichloroethane	3.867	63	3792	0.186	ug/l	#	94
18) 2-Butanone	4.735	43	5320m	1.577	ug/l		
19) Cyclohexane	5.372	56	2976m	0.153	ug/l		
20) Methylcyclohexane	6.755	83	2466	0.128	ug/l		93
21) 2,2-Dichloropropane	4.665	77	3368	0.202	ug/l	#	87
22) cis-1,2-Dichloroethene	4.662	96	1891	0.156	ug/l		90
23) Diethyl Ether	2.382	59	1447	0.181	ug/l	#	76
24) tert-Butyl Alcohol	3.215	59	2202m	2.415	ug/l		
25) Methyl tert-Butyl Ether	3.369	73	5134	0.196	ug/l	#	59
26) Bromochloromethane	4.977	128	841	0.164	ug/l		88
27) Chloroform	5.086	83	3745	0.187	ug/l		95
28) 1,1,1-Trichloroethane	5.311	97	3035	0.172	ug/l		97
29) 1,1-Dichloropropene	5.517	75	2639	0.167	ug/l		87
30) Carbon Tetrachloride	5.520	117	2351	0.158	ug/l	#	94
31) Isopropyl Ether	4.006	45	7068m	0.202	ug/l		
32) Ethyl-t-butyl ether	4.517	59	5945	0.180	ug/l		96
33) Tert-Amyl methyl ether	5.954	73	5204	0.181	ug/l		98
34) Propionitrile	4.797	54	416	0.430	ug/l	#	75
35) Benzene	5.771	78	7926	0.176	ug/l		95
36) 1,2-Dichloroethane	5.800	62	2578	0.202	ug/l	#	92
37) Trichloroethene	6.539	130	2019	0.178	ug/l	#	77
38) 1,2-Dichloropropane	6.800	63	2181	0.183	ug/l		99
39) Methacrylonitrile	4.977	41	839	0.202	ug/l	#	52
40) Methyl acrylate	4.861	55	1798	0.277	ug/l	#	70
41) Tetrahydrofuran	5.086	42	1933	0.789	ug/l	#	69
42) 1-Chlorobutane	5.449	56	3666	0.166	ug/l		95
43) Dibromomethane	6.922	93	1088	0.183	ug/l		98
44) Bromodichloromethane	7.108	83	2761	0.194	ug/l		99

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Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 07:22:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 08 07:22:07 2022
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	8409	1.044	ug/l		96
46) t-1,4-Dichloro-2-butene	10.835	75	932m	0.356	ug/l		
47) Methyl methacrylate	6.973	69	2282	0.381	ug/l		97
48) Ethyl methacrylate	8.343	69	2150	0.179	ug/l		99
49) Toluene	7.970	92	4815	0.175	ug/l		90
50) t-1,3-Dichloropropene	8.214	75	2613	0.190	ug/l		94
51) cis-1,3-Dichloropropene	7.613	75	2714	0.167	ug/l	#	89
52) 1,1,2-Trichloroethane	8.407	97	1609	0.196	ug/l		91
53) 1,3-Dichloropropane	8.578	76	2801	0.191	ug/l		98
54) 2-Hexanone	8.697	43	5850	1.046	ug/l		93
55) Dibromochloromethane	8.809	129	1701	0.182	ug/l		95
56) 1,2-Dibromoethane	8.928	107	1343	0.169	ug/l		97
58) Tetrachloroethene	8.555	164	1819	0.192	ug/l		90
59) Chlorobenzene	9.449	112	5608	0.195	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.539	131	1906	0.186	ug/l		97
61) Pentachloroethane	11.430	117	1278	0.163	ug/l		99
62) Hexachloroethane	12.472	117	1178	0.150	ug/l		93
63) Ethyl Benzene	9.571	91	8608	0.166	ug/l		94
64) m/p-Xylenes	9.693	106	6104	0.319	ug/l		86
65) o-Xylene	10.099	106	3049	0.162	ug/l		96
66) Styrene	10.115	104	4793	0.159	ug/l		96
67) Bromoform	10.295	173	927	0.174	ug/l	#	78
69) Isopropylbenzene	10.484	105	7775	0.155	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.787	83	2165	0.203	ug/l	#	94
71) 1,2,3-Trichloropropane	10.828	75	1777m	0.202	ug/l		
72) Bromobenzene	10.783	156	2316	0.205	ug/l		97
73) n-propylbenzene	10.906	120	2041	0.161	ug/l		93
74) 2-Chlorotoluene	10.989	126	1804	0.160	ug/l		69
75) 1,3,5-Trimethylbenzene	11.089	105	6038	0.144	ug/l		87
76) 4-Chlorotoluene	11.099	126	2013	0.178	ug/l		98
77) tert-Butylbenzene	11.420	119	6239	0.151	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	6563	0.156	ug/l		90
79) sec-Butylbenzene	11.642	105	8450	0.156	ug/l		99
80) Nitrobenzene	13.211	77	312	0.717	ug/l	#	88
81) p-Isopropyltoluene	11.793	119	6363	0.145	ug/l		97
82) 1,3-Dichlorobenzene	11.748	146	4131	0.189	ug/l		97
83) 1,4-Dichlorobenzene	11.838	146	4795	0.217	ug/l		91
84) n-Butylbenzene	12.211	91	6801	0.166	ug/l		96
85) 1,2-Dichlorobenzene	12.214	146	4278	0.202	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	12.996	75	250	0.135	ug/l	#	81
87) 1,2,4-Trichlorobenzene	13.841	180	3874	0.271	ug/l		98
88) Hexachlorobutadiene	14.021	225	1397	0.192	ug/l		94
89) Naphthalene	14.089	128	10476	0.349	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	3770	0.276	ug/l		97

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

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