Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
Data File : VU049648.D
Acq On : 07 Jul 2022 12:29
Operator : SY/MD
Sample : N3214-07 0.4ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 08 07:22:49 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.115	96	40851	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.632	95	14515	0.970	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.000%				
68) 1,2-Dichlorobenzene-d4	12.195	152	14825	1.076	ug/l		0.00
Spiked Amount 1.000			Recovery = 108.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	5206	0.333	ug/l		93
3) Chloromethane	1.523	50	5497	0.344	ug/l		97
4) Vinyl Chloride	1.604	62	4778	0.327	ug/l		93
5) Bromomethane	1.858	94	3070	0.403	ug/l		96
6) Chloroethane	1.935	64	2883	0.353	ug/l		90
7) Trichlorofluoromethane	2.141	101	5915	0.338	ug/l		95
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	2724	0.296	ug/l		98
9) 1,1-Dichloroethene	2.581	96	2807	0.303	ug/l		89
10) Iodomethane	2.723	142	1786	0.152	ug/l		94
11) Allyl Chloride	2.925	41	5213	0.330	ug/l		87
12) Acrylonitrile	3.324	53	1798	0.726	ug/l	#	91
13) Acetone	2.629	43	3508	1.795	ug/l	#	85
14) Carbon Disulfide	2.793	76	9616	0.315	ug/l		100
15) Methylene Chloride	3.047	84	6065	0.523	ug/l		97
16) trans-1,2-Dichloroethene	3.353	96	3156	0.324	ug/l		86
17) 1,1-Dichloroethane	3.871	63	6736	0.335	ug/l	#	95
18) 2-Butanone	4.729	43	6005	1.803	ug/l		94
19) Cyclohexane	5.385	56	5612m	0.292	ug/l		
20) Methylcyclohexane	6.758	83	5196	0.274	ug/l		95
21) 2,2-Dichloropropane	4.668	77	4865	0.296	ug/l		95
22) cis-1,2-Dichloroethene	4.668	96	3400	0.283	ug/l		88
23) Diethyl Ether	2.379	59	2304	0.292	ug/l		90
24) tert-Butyl Alcohol	3.199	59	3412	3.790	ug/l	#	83
25) Methyl tert-Butyl Ether	3.369	73	8634	0.333	ug/l	#	79
26) Bromochloromethane	4.973	128	1391	0.275	ug/l		81
27) Chloroform	5.096	83	6457	0.326	ug/l		91
28) 1,1,1-Trichloroethane	5.317	97	5303	0.304	ug/l		97
29) 1,1-Dichloropropene	5.530	75	4233	0.272	ug/l		94
30) Carbon Tetrachloride	5.517	117	4815	0.328	ug/l	#	95
31) Isopropyl Ether	4.002	45	10579	0.307	ug/l		96
32) Ethyl-t-butyl ether	4.510	59	9649	0.296	ug/l		100
33) Tert-Amyl methyl ether	5.948	73	7807	0.275	ug/l		97
34) Propionitrile	4.806	54	1023	1.071	ug/l	#	79
35) Benzene	5.774	78	13383	0.301	ug/l		91
36) 1,2-Dichloroethane	5.797	62	4251	0.337	ug/l	#	93
37) Trichloroethene	6.542	130	3859	0.344	ug/l		93
38) 1,2-Dichloropropane	6.793	63	3566	0.303	ug/l		91
39) Methacrylonitrile	4.986	41	690m	0.169	ug/l		
40) Methyl acrylate	4.864	55	1621	0.253	ug/l	#	79
41) Tetrahydrofuran	5.073	42	1718	0.710	ug/l	#	81
42) 1-Chlorobutane	5.462	56	6784	0.310	ug/l		100
43) Dibromomethane	6.922	93	1999	0.341	ug/l		88
44) Bromodichloromethane	7.108	83	3991	0.284	ug/l		95

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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)
45) 4-Methyl-2-Pentanone	7.800	43	12593	1.584	ug/l		95
46) t-1,4-Dichloro-2-butene	10.832	75	1736m	0.671	ug/l		
47) Methyl methacrylate	6.970	69	3115	0.527	ug/l	#	81
48) Ethyl methacrylate	8.337	69	3009	0.254	ug/l		99
49) Toluene	7.970	92	8018	0.296	ug/l		96
50) t-1,3-Dichloropropene	8.214	75	3909	0.288	ug/l		97
51) cis-1,3-Dichloropropene	7.610	75	4798	0.298	ug/l		94
52) 1,1,2-Trichloroethane	8.404	97	2480	0.307	ug/l	#	91
53) 1,3-Dichloropropane	8.581	76	4586	0.316	ug/l		99
54) 2-Hexanone	8.690	43	8536	1.546	ug/l		96
55) Dibromochloromethane	8.813	129	2955	0.320	ug/l		94
56) 1,2-Dibromoethane	8.928	107	2541	0.324	ug/l		97
58) Tetrachloroethene	8.552	164	2916	0.312	ug/l		90
59) Chlorobenzene	9.449	112	8933	0.315	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.536	131	3142	0.311	ug/l		94
61) Pentachloroethane	11.423	117	2537	0.327	ug/l		90
62) Hexachloroethane	12.472	117	2330	0.300	ug/l		91
63) Ethyl Benzene	9.571	91	14291	0.280	ug/l		99
64) m/p-Xylenes	9.697	106	10213	0.541	ug/l		99
65) o-Xylene	10.102	106	4986	0.269	ug/l		96
66) Styrene	10.115	104	8351	0.280	ug/l		99
67) Bromoform	10.295	173	1627	0.309	ug/l	#	93
69) Isopropylbenzene	10.484	105	13645	0.275	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.783	83	3406	0.324	ug/l	#	97
71) 1,2,3-Trichloropropane	10.822	75	2830m	0.325	ug/l		
72) Bromobenzene	10.780	156	3242	0.290	ug/l		91
73) n-propylbenzene	10.909	120	3386	0.271	ug/l		93
74) 2-Chlorotoluene	10.989	126	3505	0.314	ug/l		93
75) 1,3,5-Trimethylbenzene	11.086	105	10311	0.249	ug/l		100
76) 4-Chlorotoluene	11.095	126	3112	0.278	ug/l		94
77) tert-Butylbenzene	11.420	119	10876	0.266	ug/l		98
78) 1,2,4-Trimethylbenzene	11.468	105	11022	0.265	ug/l		97
79) sec-Butylbenzene	11.642	105	14156	0.264	ug/l		99
80) Nitrobenzene	13.214	77	309	0.719	ug/l	#	87
81) p-Isopropyltoluene	11.793	119	11564	0.266	ug/l		97
82) 1,3-Dichlorobenzene	11.745	146	6884	0.318	ug/l		98
83) 1,4-Dichlorobenzene	11.838	146	6859	0.314	ug/l		96
84) n-Butylbenzene	12.208	91	11650	0.288	ug/l		98
85) 1,2-Dichlorobenzene	12.214	146	6703	0.320	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	462	0.252	ug/l	#	74
87) 1,2,4-Trichlorobenzene	13.841	180	5007	0.354	ug/l		96
88) Hexachlorobutadiene	14.021	225	2564	0.356	ug/l		93
89) Naphthalene	14.092	128	9767	0.330	ug/l		97
90) 1,2,3-Trichlorobenzene	14.330	180	4536	0.336	ug/l		97

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

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