Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061162.D
Acq On : 18 Oct 2024 13:49
Operator : MD/SY
Sample : P4368-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 00:13:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Oct 19 00:10:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	26769	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13073	0.919	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	13376	0.954	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	3113	0.211	ug/l	98
3) Chloromethane	1.515	50	3460	0.247	ug/l	93
4) Vinyl Chloride	1.599	62	3051	0.212	ug/l	94
5) Bromomethane	1.853	94	2199	0.243	ug/l	86
6) Chloroethane	1.930	64	2317	0.240	ug/l	97
7) Trichlorofluoromethane	2.133	101	4611	0.225	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2396	0.235	ug/l	94
9) 1,1-Dichloroethene	2.573	96	2519	0.237	ug/l	88
11) Allyl Chloride	2.920	41	3530	0.258	ug/l	99
12) Acrylonitrile	3.354	53	850	0.398	ug/l #	62
13) Acetone	2.647	43	3941m	1.415	ug/l	
14) Carbon Disulfide	2.789	76	8679	0.237	ug/l	99
15) Methylene Chloride	3.036	84	4173	0.304	ug/l	90
16) trans-1,2-Dichloroethene	3.351	96	2878	0.231	ug/l	91
17) 1,1-Dichloroethane	3.859	63	4810	0.218	ug/l #	92
18) 2-Butanone	4.772	43	3880m	1.137	ug/l	
19) Cyclohexane	5.383	56	4600m	0.233	ug/l	
20) Methylcyclohexane	6.753	83	4707	0.213	ug/l	96
21) 2,2-Dichloropropane	4.657	77	4415	0.217	ug/l	98
22) cis-1,2-Dichloroethene	4.673	96	3074	0.227	ug/l	97
23) Diethyl Ether	2.371	59	1807	0.219	ug/l	95
24) tert-Butyl Alcohol	3.274	59	1919m	2.228	ug/l	
25) Methyl tert-Butyl Ether	3.351	73	6270	0.220	ug/l #	89
26) Bromochloromethane	4.972	128	1216	0.214	ug/l	93
27) Chloroform	5.081	83	5694	0.246	ug/l	91
28) 1,1,1-Trichloroethane	5.309	97	4607	0.226	ug/l	94
29) 1,1-Dichloropropene	5.525	75	3707	0.205	ug/l	97
31) Isopropyl Ether	3.985	45	6837	0.217	ug/l	90
32) Ethyl-t-butyl ether	4.489	59	6808m	0.210	ug/l	
33) Tert-Amyl methyl ether	5.936	73	6612	0.227	ug/l	94
34) Propionitrile	4.850	54	645m	0.793	ug/l	
35) Benzene	5.769	78	11686	0.230	ug/l	93
36) 1,2-Dichloroethane	5.792	62	3166	0.221	ug/l	98
37) Trichloroethene	6.538	130	3140	0.232	ug/l	94
38) 1,2-Dichloropropane	6.788	63	2850	0.221	ug/l	98
41) Tetrahydrofuran	5.084	42	867m	0.493	ug/l	
42) 1-Chlorobutane	5.454	56	5086	0.220	ug/l	96
43) Dibromomethane	6.920	93	1487	0.223	ug/l	96
44) Bromodichloromethane	7.100	83	3491	0.215	ug/l #	97
45) 4-Methyl-2-Pentanone	7.792	43	7327	1.094	ug/l	96
46) t-1,4-Dichloro-2-butene	10.833	75	1403m	0.525	ug/l	
47) Methyl methacrylate	6.975	69	2389	0.412	ug/l	96
49) Toluene	7.968	92	7293	0.227	ug/l	95

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	t-1,3-Dichloropropene	8.213	75	3273	0.209	ug/l		94
51)	cis-1,3-Dichloropropene	7.608	75	4259	0.222	ug/l		97
53)	1,3-Dichloropropane	8.573	76	3666	0.232	ug/l		98
54)	2-Hexanone	8.698	43	6441m	1.170	ug/l		
55)	Dibromochloromethane	8.804	129	2187	0.206	ug/l		100
58)	Tetrachloroethene	8.547	164	2722	0.237	ug/l		92
59)	Chlorobenzene	9.444	112	7958	0.230	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.525	131	2668	0.229	ug/l		95
61)	Pentachloroethane	11.418	117	1789	0.200	ug/l		96
63)	Ethyl Benzene	9.566	91	13277	0.214	ug/l		100
64)	m/p-Xylenes	9.692	106	9763	0.414	ug/l		90
65)	o-Xylene	10.097	106	5044	0.217	ug/l		87
69)	Isopropylbenzene	10.480	105	12089	0.219	ug/l		97
70)	1,1,2,2-Tetrachloroethane	10.775	83	2454	0.224	ug/l	#	96
71)	1,2,3-Trichloropropane	10.820	75	2190m	0.246	ug/l		
72)	Bromobenzene	10.782	156	2961	0.223	ug/l		83
74)	2-Chlorotoluene	10.981	126	3094	0.222	ug/l		91
75)	1,3,5-Trimethylbenzene	11.081	105	10530	0.211	ug/l		96
76)	4-Chlorotoluene	11.097	126	3089	0.218	ug/l		99
77)	tert-Butylbenzene	11.412	119	10633	0.216	ug/l		97
78)	1,2,4-Trimethylbenzene	11.463	105	10729	0.213	ug/l		98
79)	sec-Butylbenzene	11.637	105	13661	0.213	ug/l		97
81)	p-Isopropyltoluene	11.785	119	10926	0.206	ug/l		98
82)	1,3-Dichlorobenzene	11.743	146	5327	0.209	ug/l		98
83)	1,4-Dichlorobenzene	11.836	146	5870	0.231	ug/l		97
85)	1,2-Dichlorobenzene	12.209	146	5436	0.228	ug/l		97
87)	1,2,4-Trichlorobenzene	13.843	180	2934	0.215	ug/l		85
88)	Hexachlorobutadiene	14.016	225	1710	0.222	ug/l		93
89)	Naphthalene	14.100	128	6101	0.254	ug/l	#	86
90)	1,2,3-Trichlorobenzene	14.331	180	2937	0.240	ug/l		98

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

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