Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061163.D
Acq On : 18 Oct 2024 14:13
Operator : MD/SY
Sample : P4368-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 00:14:26 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	27638	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13019	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	13069	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery = 90.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	4844	0.318	ug/l	97
3) Chloromethane	1.515	50	5143	0.355	ug/l	95
4) Vinyl Chloride	1.599	62	5203	0.350	ug/l	97
5) Bromomethane	1.856	94	3556	0.380	ug/l	91
6) Chloroethane	1.930	64	3429	0.344	ug/l	95
7) Trichlorofluoromethane	2.133	101	6749	0.319	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	3659	0.348	ug/l	97
9) 1,1-Dichloroethene	2.573	96	3774	0.344	ug/l	92
10) Iodomethane	2.715	142	3859	0.296	ug/l	95
11) Allyl Chloride	2.917	41	5022	0.356	ug/l	98
12) Acrylonitrile	3.345	53	1385m	0.628	ug/l	
13) Acetone	2.660	43	5467	1.901	ug/l	98
14) Carbon Disulfide	2.789	76	13192	0.349	ug/l	98
15) Methylene Chloride	3.043	84	5291	0.373	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	4158	0.323	ug/l	94
17) 1,1-Dichloroethane	3.866	63	7371	0.323	ug/l	99
18) 2-Butanone	4.766	43	5802m	1.647	ug/l	
19) Cyclohexane	5.377	56	6444m	0.315	ug/l	
20) Methylcyclohexane	6.756	83	7477	0.328	ug/l	99
21) 2,2-Dichloropropane	4.660	77	6550	0.311	ug/l	95
22) cis-1,2-Dichloroethene	4.663	96	4730	0.338	ug/l	95
23) Diethyl Ether	2.374	59	2646	0.311	ug/l #	88
24) tert-Butyl Alcohol	3.261	59	3641m	4.095	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	9719	0.331	ug/l #	89
26) Bromochloromethane	4.965	128	1811	0.309	ug/l	96
27) Chloroform	5.081	83	8193	0.343	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	6694	0.318	ug/l	97
29) 1,1-Dichloropropene	5.521	75	5977	0.321	ug/l	99
30) Carbon Tetrachloride	5.518	117	5692	0.311	ug/l	98
31) Isopropyl Ether	3.985	45	10278	0.316	ug/l	95
32) Ethyl-t-butyl ether	4.489	59	10668	0.319	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	10027	0.333	ug/l	97
34) Propionitrile	4.833	54	1213m	1.444	ug/l	
35) Benzene	5.772	78	17575	0.335	ug/l	100
36) 1,2-Dichloroethane	5.795	62	4913	0.332	ug/l #	91
37) Trichloroethene	6.538	130	4685	0.335	ug/l	86
38) 1,2-Dichloropropane	6.788	63	4282	0.322	ug/l	93
39) Methacrylonitrile	5.007	41	933m	0.308	ug/l	
41) Tetrahydrofuran	5.081	42	1494m	0.822	ug/l	
42) 1-Chlorobutane	5.454	56	8109	0.339	ug/l	98
43) Dibromomethane	6.917	93	2199	0.319	ug/l	91
44) Bromodichloromethane	7.097	83	5463	0.326	ug/l #	95
45) 4-Methyl-2-Pentanone	7.792	43	11252	1.627	ug/l	98

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Supervised By :Semsettin Yesilyurt 10/25/2024

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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)
46) t-1,4-Dichloro-2-butene	10.830	75	1814m	0.658	ug/l		
47) Methyl methacrylate	6.968	69	3759m	0.628	ug/l		
48) Ethyl methacrylate	8.335	69	3979	0.312	ug/l		97
49) Toluene	7.965	92	11120	0.336	ug/l		93
50) t-1,3-Dichloropropene	8.210	75	5054	0.313	ug/l		95
51) cis-1,3-Dichloropropene	7.605	75	6201	0.313	ug/l		97
52) 1,1,2-Trichloroethane	8.393	97	3053	0.329	ug/l		92
53) 1,3-Dichloropropane	8.573	76	5852	0.359	ug/l		96
54) 2-Hexanone	8.692	43	8568m	1.508	ug/l		
55) Dibromochloromethane	8.804	129	3227	0.294	ug/l		96
56) 1,2-Dibromoethane	8.923	107	2878	0.323	ug/l		94
58) Tetrachloroethene	8.547	164	3887	0.327	ug/l		91
59) Chlorobenzene	9.444	112	11832	0.331	ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.525	131	3856	0.320	ug/l		95
61) Pentachloroethane	11.418	117	2764	0.300	ug/l		93
62) Hexachloroethane	12.463	117	2818	0.297	ug/l		92
63) Ethyl Benzene	9.566	91	19794	0.309	ug/l		96
64) m/p-Xylenes	9.689	106	15292	0.628	ug/l		100
65) o-Xylene	10.094	106	7836	0.327	ug/l		97
66) Styrene	10.116	104	11718	0.314	ug/l		96
67) Bromoform	10.283	173	1589	0.277	ug/l	#	92
69) Isopropylbenzene	10.480	105	17916	0.314	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.775	83	3826	0.339	ug/l	#	98
71) 1,2,3-Trichloropropane	10.817	75	3103m	0.338	ug/l		
72) Bromobenzene	10.785	156	4071	0.297	ug/l		71
73) n-propylbenzene	10.901	120	5034	0.302	ug/l		100
74) 2-Chlorotoluene	10.981	126	4657	0.324	ug/l		94
75) 1,3,5-Trimethylbenzene	11.081	105	15371	0.299	ug/l		98
76) 4-Chlorotoluene	11.097	126	4633	0.317	ug/l		96
77) tert-Butylbenzene	11.412	119	15474	0.304	ug/l		95
78) 1,2,4-Trimethylbenzene	11.463	105	15829	0.305	ug/l		98
79) sec-Butylbenzene	11.637	105	20992	0.317	ug/l		95
81) p-Isopropyltoluene	11.788	119	16474	0.301	ug/l		98
82) 1,3-Dichlorobenzene	11.743	146	8007	0.304	ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	8307	0.317	ug/l		96
84) n-Butylbenzene	12.206	91	14472	0.285	ug/l		94
85) 1,2-Dichlorobenzene	12.206	146	7843	0.319	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.007	75	491	0.293	ug/l	#	65
87) 1,2,4-Trichlorobenzene	13.843	180	4180	0.297	ug/l		98
88) Hexachlorobutadiene	14.016	225	2315	0.291	ug/l		93
89) Naphthalene	14.100	128	6874	0.277	ug/l	#	86
90) 1,2,3-Trichlorobenzene	14.328	180	3767	0.298	ug/l		97

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

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