Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
Data File : VU061173.D
Acq On : 21 Oct 2024 15:42
Operator : MD/SY
Sample : P4368-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:37:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 22 01:35:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-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	26488	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	13115	0.932	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13185	0.951	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	3258	0.223	ug/l		99
3) Chloromethane	1.515	50	4045	0.291	ug/l		93
4) Vinyl Chloride	1.602	62	3766	0.264	ug/l		98
5) Bromomethane	1.853	94	2337	0.261	ug/l		99
6) Chloroethane	1.930	64	2522	0.264	ug/l	#	84
7) Trichlorofluoromethane	2.133	101	4791	0.236	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	2478	0.246	ug/l		95
9) 1,1-Dichloroethene	2.576	96	2733	0.260	ug/l		89
10) Iodomethane	2.715	142	2570	0.205	ug/l		94
11) Allyl Chloride	2.920	41	3624	0.268	ug/l		91
12) Acrylonitrile	3.358	53	739m	0.350	ug/l		
13) Acetone	2.650	43	4494	1.630	ug/l		97
14) Carbon Disulfide	2.789	76	9211	0.254	ug/l		100
15) Methylene Chloride	3.043	84	3795	0.279	ug/l		99
16) trans-1,2-Dichloroethene	3.354	96	3066	0.249	ug/l		92
17) 1,1-Dichloroethane	3.862	63	5566	0.255	ug/l	#	94
18) 2-Butanone	4.769	43	4360m	1.292	ug/l		
19) Cyclohexane	5.380	56	4506m	0.230	ug/l		
20) Methylcyclohexane	6.756	83	5193	0.238	ug/l		95
21) 2,2-Dichloropropane	4.660	77	5021	0.249	ug/l		95
22) cis-1,2-Dichloroethene	4.666	96	3299	0.246	ug/l		98
23) Diethyl Ether	2.374	59	1808	0.221	ug/l		94
24) tert-Butyl Alcohol	3.242	59	1784m	2.094	ug/l		
25) Methyl tert-Butyl Ether	3.361	73	6759	0.240	ug/l	#	90
26) Bromochloromethane	4.978	128	1306	0.233	ug/l		95
27) Chloroform	5.081	83	6396	0.279	ug/l		99
28) 1,1,1-Trichloroethane	5.309	97	4637	0.230	ug/l		95
29) 1,1-Dichloropropene	5.522	75	4040	0.226	ug/l		96
30) Carbon Tetrachloride	5.518	117	4078	0.233	ug/l	#	87
31) Isopropyl Ether	3.988	45	7545	0.242	ug/l		98
32) Ethyl-t-butyl ether	4.489	59	7701	0.240	ug/l		94
33) Tert-Amyl methyl ether	5.936	73	6922	0.240	ug/l		97
34) Propionitrile	4.850	54	415m	0.515	ug/l		
35) Benzene	5.772	78	12078	0.240	ug/l		93
36) 1,2-Dichloroethane	5.798	62	3417	0.241	ug/l	#	76
37) Trichloroethene	6.544	130	3284	0.245	ug/l		99
38) 1,2-Dichloropropane	6.788	63	3227	0.253	ug/l	#	88
41) Tetrahydrofuran	5.075	42	799m	0.459	ug/l		
42) 1-Chlorobutane	5.454	56	5773	0.252	ug/l		96
43) Dibromomethane	6.920	93	1516	0.230	ug/l		90
44) Bromodichloromethane	7.103	83	3890	0.242	ug/l	#	89
45) 4-Methyl-2-Pentanone	7.795	43	7943	1.198	ug/l		95
46) t-1,4-Dichloro-2-butene	10.833	75	1375m	0.520	ug/l		

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Methyl methacrylate	6.972	69	2546	0.444 ug/l #	93
48) Ethyl methacrylate	8.338	69	2777	0.227 ug/l	94
49) Toluene	7.968	92	8028	0.253 ug/l	99
50) t-1,3-Dichloropropene	8.213	75	3393	0.219 ug/l	95
51) cis-1,3-Dichloropropene	7.615	75	4320	0.227 ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	2155	0.242 ug/l	92
53) 1,3-Dichloropropane	8.570	76	4014	0.257 ug/l	90
54) 2-Hexanone	8.695	43	6825m	1.253 ug/l	
55) Dibromochloromethane	8.804	129	2279	0.217 ug/l	87
56) 1,2-Dibromoethane	8.917	107	2094	0.245 ug/l	95
58) Tetrachloroethene	8.550	164	2874	0.253 ug/l	89
59) Chlorobenzene	9.447	112	8550	0.250 ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	2600	0.225 ug/l	92
61) Pentachloroethane	11.422	117	2016	0.228 ug/l	98
63) Ethyl Benzene	9.566	91	14798	0.241 ug/l	100
64) m/p-Xylenes	9.692	106	11738	0.503 ug/l	93
65) o-Xylene	10.097	106	5567	0.242 ug/l	93
66) Styrene	10.116	104	7988	0.224 ug/l	97
67) Bromoform	10.283	173	1184	0.215 ug/l #	84
69) Isopropylbenzene	10.480	105	12974	0.237 ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	2652	0.245 ug/l	93
71) 1,2,3-Trichloropropane	10.820	75	2503m	0.284 ug/l	
72) Bromobenzene	10.782	156	3247	0.247 ug/l	96
73) n-propylbenzene	10.901	120	3674	0.230 ug/l	98
74) 2-Chlorotoluene	10.984	126	3307	0.240 ug/l	87
75) 1,3,5-Trimethylbenzene	11.081	105	11649	0.236 ug/l	99
76) 4-Chlorotoluene	11.100	126	3326	0.237 ug/l	93
77) tert-Butylbenzene	11.412	119	11692	0.240 ug/l	100
78) 1,2,4-Trimethylbenzene	11.467	105	11958	0.240 ug/l	93
79) sec-Butylbenzene	11.637	105	14752	0.233 ug/l	99
81) p-Isopropyltoluene	11.788	119	11700	0.223 ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	6226	0.247 ug/l	98
83) 1,4-Dichlorobenzene	11.840	146	6306	0.251 ug/l	99
84) n-Butylbenzene	12.206	91	11083	0.227 ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	5955	0.253 ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.007	75	338	0.211 ug/l #	85
87) 1,2,4-Trichlorobenzene	13.846	180	3251	0.241 ug/l	98
88) Hexachlorobutadiene	14.016	225	1830	0.240 ug/l	95
89) Naphthalene	14.100	128	7006	0.294 ug/l	95
90) 1,2,3-Trichlorobenzene	14.328	180	3290	0.272 ug/l	97

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

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