Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
Data File : VU060325.D
Acq On : 06 Aug 2024 16:36
Operator : MD/SY
Sample : P3390-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 07 07:34:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
Supervised By :Semsettin Yesilyurt 08/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.110	96	30472	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	8909	0.858	ug/l		0.00
Spiked Amount 1.000			Recovery =	86.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	10369	0.919	ug/l		0.00
Spiked Amount 1.000			Recovery =	92.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	2687	0.229	ug/l		89
3) Chloromethane	1.518	50	3285	0.245	ug/l		98
4) Vinyl Chloride	1.599	62	3456	0.258	ug/l		99
5) Bromomethane	1.853	94	2559	0.311	ug/l		90
6) Chloroethane	1.927	64	2656	0.328	ug/l		98
7) Trichlorofluoromethane	2.133	101	3901	0.241	ug/l		85
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	2079	0.236	ug/l		87
9) 1,1-Dichloroethene	2.573	96	2228	0.245	ug/l		83
13) Acetone	2.653	43	2832m	0.980	ug/l		
14) Carbon Disulfide	2.785	76	7243	0.234	ug/l		96
15) Methylene Chloride	3.039	84	3475	0.305	ug/l		92
16) trans-1,2-Dichloroethene	3.348	96	2213	0.227	ug/l	#	81
17) 1,1-Dichloroethane	3.866	63	3961	0.211	ug/l	#	92
18) 2-Butanone	4.779	43	2436m	0.729	ug/l		
21) 2,2-Dichloropropane	4.657	77	3102	0.212	ug/l	#	82
23) Diethyl Ether	2.374	59	1801	0.243	ug/l		92
24) tert-Butyl Alcohol	3.239	59	976m	1.055	ug/l		
26) Bromochloromethane	4.975	128	1255	0.283	ug/l		78
27) Chloroform	5.084	83	7813	0.425	ug/l		94
28) 1,1,1-Trichloroethane	5.306	97	3549	0.233	ug/l		96
29) 1,1-Dichloropropene	5.528	75	2707	0.221	ug/l		92
30) Carbon Tetrachloride	5.515	117	2952	0.237	ug/l		94
34) Propionitrile	4.856	54	270	0.283	ug/l	#	58
35) Benzene	5.775	78	8357	0.222	ug/l		95
36) 1,2-Dichloroethane	5.795	62	2307	0.220	ug/l	#	81
37) Trichloroethene	6.541	130	2241	0.240	ug/l		100
38) 1,2-Dichloropropane	6.788	63	2114	0.207	ug/l	#	85
43) Dibromomethane	6.917	93	1253	0.243	ug/l		92
44) Bromodichloromethane	7.103	83	3477	0.281	ug/l	#	99
45) 4-Methyl-2-Pentanone	7.795	43	5134	1.061	ug/l	#	81
46) t-1,4-Dichloro-2-butene	10.833	75	928m	0.342	ug/l		
47) Methyl methacrylate	6.972	69	1431	0.342	ug/l	#	82
50) t-1,3-Dichloropropene	8.216	75	2385	0.233	ug/l		98
51) cis-1,3-Dichloropropene	7.611	75	2811	0.229	ug/l		100
52) 1,1,2-Trichloroethane	8.402	97	1816	0.240	ug/l		93
53) 1,3-Dichloropropane	8.573	76	3128	0.259	ug/l		91
54) 2-Hexanone	8.692	43	2991	0.797	ug/l		87
55) Dibromochloromethane	8.807	129	3704	0.446	ug/l		96
56) 1,2-Dibromoethane	8.930	107	1472	0.217	ug/l		100
58) Tetrachloroethene	8.550	164	2255	0.271	ug/l		89
59) Chlorobenzene	9.447	112	5072	0.224	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.534	131	2070	0.232	ug/l		94
61) Pentachloroethane	11.425	117	1833	0.241	ug/l		94

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
62) Hexachloroethane	12.467	117	1790	0.243	ug/l		91
63) Ethyl Benzene	9.566	91	7304	0.658	ug/l		94
64) m/p-Xylenes	9.692	106	5122	1.178	ug/l		87
65) o-Xylene	10.100	106	2555	0.591	ug/l		87
66) Styrene	10.116	104	4101	0.609	ug/l		97
67) Bromoform	10.290	173	2983	0.614	ug/l	#	97
69) Isopropylbenzene	10.479	105	6139	0.612	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.782	83	2304	0.229	ug/l	#	98
71) 1,2,3-Trichloropropane	10.820	75	1841m	0.247	ug/l		
72) Bromobenzene	10.785	156	2138	0.230	ug/l		98
73) n-propylbenzene	10.904	120	1927	0.638	ug/l		100
74) 2-Chlorotoluene	10.981	126	1935	0.489	ug/l		98
75) 1,3,5-Trimethylbenzene	11.087	105	5502	0.595	ug/l	#	85
76) 4-Chlorotoluene	11.100	126	1787	0.489	ug/l		96
77) tert-Butylbenzene	11.418	119	5904	0.602	ug/l		96
78) 1,2,4-Trimethylbenzene	11.467	105	5425	0.627	ug/l		96
79) sec-Butylbenzene	11.640	105	6877	0.586	ug/l		99
81) p-Isopropyltoluene	11.788	119	5421	0.645	ug/l		98
82) 1,3-Dichlorobenzene	11.746	146	5499	0.284	ug/l		94
83) 1,4-Dichlorobenzene	11.840	146	3990	0.207	ug/l		89
84) n-Butylbenzene	12.206	91	6801	0.673	ug/l	#	87
85) 1,2-Dichlorobenzene	12.213	146	4289	0.229	ug/l		95
87) 1,2,4-Trichlorobenzene	13.846	180	2572	0.240	ug/l	#	96
88) Hexachlorobutadiene	14.016	225	1810	0.261	ug/l		93
89) Naphthalene	14.093	128	8977	0.473	ug/l	#	97
90) 1,2,3-Trichlorobenzene	14.328	180	6627	0.633	ug/l		98

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

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