Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061160.D
Acq On : 18 Oct 2024 13:03
Operator : MD/SY
Sample : P4368-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 19 00:11:43 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 :
LOQ-WATER-02-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	26807	1.000 ug/l #	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	13867	0.973 ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13858	0.987 ug/l	0.00
Spiked Amount 1.000			Recovery =	99.000%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	12683	0.859 ug/l	100
3) Chloromethane	1.515	50	13797	0.982 ug/l	97
4) Vinyl Chloride	1.599	62	12969	0.899 ug/l	97
5) Bromomethane	1.853	94	8707	0.961 ug/l	96
6) Chloroethane	1.930	64	8730	0.903 ug/l	97
7) Trichlorofluoromethane	2.132	101	18714	0.912 ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	8980	0.880 ug/l	95
9) 1,1-Dichloroethene	2.573	96	9844	0.925 ug/l	98
10) Iodomethane	2.718	142	10761	0.850 ug/l	98
11) Allyl Chloride	2.920	41	12637	0.922 ug/l	100
12) Acrylonitrile	3.341	53	3833m	1.792 ug/l	
13) Acetone	2.653	43	16174	5.797 ug/l	100
14) Carbon Disulfide	2.788	76	33447	0.913 ug/l	97
15) Methylene Chloride	3.039	84	12764	0.927 ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	11345	0.910 ug/l	95
17) 1,1-Dichloroethane	3.862	63	19962	0.903 ug/l	98
18) 2-Butanone	4.730	43	17786m	5.207 ug/l	
19) Cyclohexane	5.380	56	18016m	0.909 ug/l	
20) Methylcyclohexane	6.756	83	20278	0.918 ug/l	98
21) 2,2-Dichloropropane	4.656	77	17715	0.868 ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	12000	0.883 ug/l	97
23) Diethyl Ether	2.374	59	7126	0.862 ug/l	94
24) tert-Butyl Alcohol	3.255	59	8618m	9.994 ug/l	
25) Methyl tert-Butyl Ether	3.357	73	25284	0.887 ug/l	95
26) Bromochloromethane	4.972	128	4969	0.874 ug/l	99
27) Chloroform	5.081	83	21250	0.916 ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	18073	0.884 ug/l	98
29) 1,1-Dichloropropene	5.525	75	15907	0.880 ug/l	98
30) Carbon Tetrachloride	5.518	117	15301	0.862 ug/l	99
31) Isopropyl Ether	3.985	45	28537	0.904 ug/l	97
32) Ethyl-t-butyl ether	4.493	59	29016	0.894 ug/l	97
33) Tert-Amyl methyl ether	5.936	73	26300	0.901 ug/l	98
34) Propionitrile	4.820	54	3752m	4.604 ug/l	
35) Benzene	5.769	78	47019	0.924 ug/l	99
36) 1,2-Dichloroethane	5.792	62	13423	0.934 ug/l	97
37) Trichloroethene	6.541	130	12173	0.896 ug/l	99
38) 1,2-Dichloropropane	6.782	63	11897	0.923 ug/l	99
39) Methacrylonitrile	4.997	41	2592m	0.883 ug/l	
40) Methyl acrylate	4.885	55	5757m	0.967 ug/l	
41) Tetrahydrofuran	5.081	42	3583m	2.033 ug/l	
42) 1-Chlorobutane	5.454	56	19717	0.850 ug/l	92
43) Dibromomethane	6.914	93	5992	0.897 ug/l	96
44) Bromodichloromethane	7.097	83	14934	0.919 ug/l #	95

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	29457	4.391	ug/l		99
46) t-1,4-Dichloro-2-butene	10.830	75	4915m	1.837	ug/l		
47) Methyl methacrylate	6.965	69	9719	1.673	ug/l		98
48) Ethyl methacrylate	8.332	69	10898	0.880	ug/l		97
49) Toluene	7.965	92	29057	0.904	ug/l		100
50) t-1,3-Dichloropropene	8.209	75	13453	0.859	ug/l		95
51) cis-1,3-Dichloropropene	7.605	75	16907	0.879	ug/l		98
52) 1,1,2-Trichloroethane	8.393	97	8038	0.892	ug/l		97
53) 1,3-Dichloropropane	8.570	76	14314	0.904	ug/l		100
54) 2-Hexanone	8.685	43	26139m	4.743	ug/l		
55) Dibromochloromethane	8.804	129	9163	0.861	ug/l		98
56) 1,2-Dibromoethane	8.920	107	7849	0.908	ug/l		99
58) Tetrachloroethene	8.547	164	10950	0.951	ug/l		96
59) Chlorobenzene	9.444	112	31510	0.910	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.528	131	10250	0.877	ug/l		97
61) Pentachloroethane	11.418	117	7542	0.844	ug/l		97
62) Hexachloroethane	12.466	117	7357	0.799	ug/l		97
63) Ethyl Benzene	9.563	91	55928	0.902	ug/l		97
64) m/p-Xylenes	9.688	106	42088	1.783	ug/l		98
65) o-Xylene	10.094	106	20487	0.881	ug/l		96
66) Styrene	10.110	104	31668	0.876	ug/l		99
67) Bromoform	10.286	173	4444	0.798	ug/l		94
69) Isopropylbenzene	10.476	105	49599	0.897	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.772	83	9706	0.887	ug/l		97
71) 1,2,3-Trichloropropane	10.817	75	7859m	0.882	ug/l		
72) Bromobenzene	10.778	156	11790	0.886	ug/l		84
73) n-propylbenzene	10.901	120	13709	0.849	ug/l		96
74) 2-Chlorotoluene	10.981	126	12584	0.901	ug/l		99
75) 1,3,5-Trimethylbenzene	11.081	105	44386	0.890	ug/l		98
76) 4-Chlorotoluene	11.094	126	12536	0.883	ug/l		99
77) tert-Butylbenzene	11.412	119	42619	0.864	ug/l		98
78) 1,2,4-Trimethylbenzene	11.460	105	45263	0.899	ug/l		99
79) sec-Butylbenzene	11.637	105	58012	0.904	ug/l		99
80) Nitrobenzene	13.241	77	658	2.746	ug/l	#	63
81) p-Isopropyltoluene	11.785	119	46452	0.874	ug/l		99
82) 1,3-Dichlorobenzene	11.743	146	22390	0.877	ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	21830	0.858	ug/l		97
84) n-Butylbenzene	12.203	91	43383	0.880	ug/l		98
85) 1,2-Dichlorobenzene	12.206	146	20992	0.880	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1375	0.846	ug/l		95
87) 1,2,4-Trichlorobenzene	13.839	180	12219	0.895	ug/l		99
88) Hexachlorobutadiene	14.013	225	7139	0.925	ug/l		95
89) Naphthalene	14.087	128	22304	0.926	ug/l		96
90) 1,2,3-Trichlorobenzene	14.325	180	10951	0.893	ug/l		98

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

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