Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
Data File : VU063244.D
Acq On : 11 Feb 2025 18:40
Operator : MD/SY
Sample : Q1168-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 12 04:12:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Feb 12 04:10:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025
Supervised By :Mahesh Dadoda 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.107	96	49553	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	15655	0.958	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	16491	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	13119	0.815	ug/l	98
3) Chloromethane	1.515	50	15616	0.842	ug/l	98
4) Vinyl Chloride	1.599	62	15256	0.832	ug/l	98
5) Bromomethane	1.846	94	8208	0.916	ug/l	100
6) Chloroethane	1.924	64	9616	0.832	ug/l	98
7) Trichlorofluoromethane	2.129	101	18096	0.832	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	9988	0.809	ug/l	97
9) 1,1-Dichloroethene	2.570	96	9985	0.794	ug/l	95
10) Iodomethane	2.711	142	16182	0.819	ug/l	97
11) Allyl Chloride	2.911	41	14578	0.807	ug/l	98
12) Acrylonitrile	3.322	53	4583m	1.581	ug/l	
13) Acetone	2.618	43	9341	4.189	ug/l	90
14) Carbon Disulfide	2.782	76	34229	0.779	ug/l	98
15) Methylene Chloride	3.033	84	12803	0.824	ug/l	95
16) trans-1,2-Dichloroethene	3.345	96	11760	0.820	ug/l	95
17) 1,1-Dichloroethane	3.859	63	21979	0.813	ug/l	99
18) 2-Butanone	4.715	43	13799m	3.889	ug/l	
19) Cyclohexane	5.377	56	15639m	0.720	ug/l	
20) Methylcyclohexane	6.750	83	15957	0.740	ug/l	99
21) 2,2-Dichloropropane	4.647	77	15894	0.753	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	11989	0.773	ug/l	95
23) Diethyl Ether	2.367	59	8556	0.793	ug/l	99
24) tert-Butyl Alcohol	3.168	59	13997	10.667	ug/l #	88
25) Methyl tert-Butyl Ether	3.351	73	24452	0.779	ug/l	97
26) Bromochloromethane	4.962	128	5305	0.783	ug/l	97
27) Chloroform	5.075	83	22392	0.820	ug/l	99
28) 1,1,1-Trichloroethane	5.303	97	17751	0.803	ug/l	98
29) 1,1-Dichloropropene	5.518	75	15015	0.758	ug/l	98
30) Carbon Tetrachloride	5.512	117	14690	0.775	ug/l	99
31) Isopropyl Ether	3.978	45	29023	0.752	ug/l	94
32) Ethyl-t-butyl ether	4.489	59	25279	0.720	ug/l	98
33) Tert-Amyl methyl ether	5.927	73	22476	0.733	ug/l	98
34) Propionitrile	4.795	54	3935m	3.677	ug/l	
35) Benzene	5.766	78	48986	0.805	ug/l	100
36) 1,2-Dichloroethane	5.785	62	13566	0.772	ug/l	99
37) Trichloroethene	6.534	130	11650	0.805	ug/l	97
38) 1,2-Dichloropropane	6.782	63	13046	0.819	ug/l	96
39) Methacrylonitrile	4.981	41	2576m	0.646	ug/l	
40) Methyl acrylate	4.885	55	5319m	0.724	ug/l	
41) Tetrahydrofuran	5.062	42	3703	1.596	ug/l	89
42) 1-Chlorobutane	5.448	56	20561	0.759	ug/l	94
43) Dibromomethane	6.914	93	6652	0.824	ug/l	95
44) Bromodichloromethane	7.097	83	15142	0.806	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Manual Integrations APPROVED

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.782	43	29283m	3.461	ug/l		
46)	t-1,4-Dichloro-2-butene	10.820	75	5874m	1.477	ug/l		
47)	Methyl methacrylate	6.959	69	9411	1.385	ug/l		95
48)	Ethyl methacrylate	8.329	69	8369	0.656	ug/l		92
49)	Toluene	7.962	92	24896	0.711	ug/l		95
50)	t-1,3-Dichloropropene	8.206	75	12700	0.739	ug/l		96
51)	cis-1,3-Dichloropropene	7.599	75	16394	0.772	ug/l		96
52)	1,1,2-Trichloroethane	8.393	97	8777	0.807	ug/l		93
53)	1,3-Dichloropropane	8.570	76	15888	0.823	ug/l		98
54)	2-Hexanone	8.679	43	20157m	3.491	ug/l		
55)	Dibromochloromethane	8.801	129	9867	0.788	ug/l		99
56)	1,2-Dibromoethane	8.920	107	7947	0.779	ug/l		99
58)	Tetrachloroethene	8.544	164	9731	0.815	ug/l		98
59)	Chlorobenzene	9.441	112	29413	0.796	ug/l		97
60)	1,1,1,2-Tetrachloroethane	9.525	131	9814	0.739	ug/l		92
61)	Pentachloroethane	11.415	117	8915	0.751	ug/l		93
62)	Hexachloroethane	12.463	117	7864	0.749	ug/l		95
63)	Ethyl Benzene	9.563	91	43841	0.688	ug/l		98
64)	m/p-Xylenes	9.685	106	32379	1.360	ug/l		97
65)	o-Xylene	10.091	106	16864	0.724	ug/l		95
66)	Styrene	10.107	104	24030	0.648	ug/l		97
67)	Bromoform	10.283	173	5273	0.742	ug/l		96
69)	Isopropylbenzene	10.476	105	36947	0.674	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.772	83	11257	0.768	ug/l		99
71)	1,2,3-Trichloropropane	10.814	75	8608m	0.781	ug/l		
72)	Bromobenzene	10.775	156	11058	0.749	ug/l		97
73)	n-propylbenzene	10.898	120	10183	0.649	ug/l		95
74)	2-Chlorotoluene	10.978	126	10687	0.739	ug/l		93
75)	1,3,5-Trimethylbenzene	11.078	105	33034	0.651	ug/l		98
76)	4-Chlorotoluene	11.090	126	10496	0.708	ug/l		90
77)	tert-Butylbenzene	11.409	119	35505	0.692	ug/l		100
78)	1,2,4-Trimethylbenzene	11.460	105	31729	0.630	ug/l		98
79)	sec-Butylbenzene	11.634	105	44774	0.685	ug/l		99
80)	Nitrobenzene	13.232	77	941	2.698	ug/l	#	56
81)	p-Isopropyltoluene	11.785	119	32476	0.630	ug/l		97
82)	1,3-Dichlorobenzene	11.740	146	20940	0.731	ug/l		99
83)	1,4-Dichlorobenzene	11.830	146	21415	0.765	ug/l		93
84)	n-Butylbenzene	12.203	91	29869	0.646	ug/l		97
85)	1,2-Dichlorobenzene	12.203	146	19542	0.710	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	13.004	75	1567m	0.761	ug/l		
87)	1,2,4-Trichlorobenzene	13.836	180	9173	0.684	ug/l		92
88)	Hexachlorobutadiene	14.010	225	7420	0.774	ug/l		93
89)	Naphthalene	14.094	128	13158m	0.609	ug/l		
90)	1,2,3-Trichlorobenzene	14.325	180	9621	0.733	ug/l		96

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

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