Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063581.D
Acq On : 15 Sep 2025 16:14
Operator : MD/SY
Sample : VIBLK
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Quant Time: Sep 16 04:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 13 03:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.097	96	34075	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.630	95	10627	0.837	ug/l		0.00
Spiked Amount 1.000			Recovery = 84.000%				
68) 1,2-Dichlorobenzene-d4	12.190	152	10635	0.822	ug/l		0.00
Spiked Amount 1.000			Recovery = 82.000%				
Target Compounds							Qvalue
3) Chloromethane	1.518	50	806	0.073	ug/l		90
4) Vinyl Chloride	1.599	62	238	0.020	ug/l	#	66
5) Bromomethane	1.846	94	321	0.044	ug/l	#	66
6) Chloroethane	1.759	64	42	0.005	ug/l	#	43
9) 1,1-Dichloroethene	2.573	96	76	0.009	ug/l		27
10) Iodomethane	2.714	142	948	0.074	ug/l		93
11) Allyl Chloride	2.885	41	189	0.013	ug/l		84
14) Carbon Disulfide	2.775	76	235	0.013	ug/l	#	75
16) trans-1,2-Dichloroethene	3.341	96	382	0.040	ug/l	#	78
18) 2-Butanone	4.705	43	40	0.009	ug/l		78
19) Cyclohexane	5.370	56	123	0.007	ug/l	#	32
21) 2,2-Dichloropropane	4.817	77	41	0.003	ug/l	#	54
22) cis-1,2-Dichloroethene	4.647	96	65	0.006	ug/l	#	52
25) Methyl tert-Butyl Ether	3.345	73	81	0.003	ug/l	#	1
27) Chloroform	5.071	83	287	0.013	ug/l		81
29) 1,1-Dichloropropene	5.508	75	155	0.010	ug/l	#	67
31) Isopropyl Ether	4.033	45	86	0.002	ug/l		65
32) Ethyl-t-butyl ether	4.492	59	233	0.008	ug/l	#	36
33) Tert-Amyl methyl ether	6.007	73	41	0.002	ug/l	#	58
35) Benzene	5.769	78	1484	0.033	ug/l		98
36) 1,2-Dichloroethane	5.785	62	649	0.043	ug/l	#	78
37) Trichloroethene	6.524	130	308	0.028	ug/l	#	69
38) 1,2-Dichloropropane	6.775	63	84	0.007	ug/l	#	44
39) Methacrylonitrile	4.975	41	170	0.036	ug/l	#	1
40) Methyl acrylate	4.824	55	20	0.003	ug/l	#	1
41) Tetrahydrofuran	5.058	42	473	0.190	ug/l	#	35
42) 1-Chlorobutane	5.444	56	46	0.002	ug/l	#	1
45) 4-Methyl-2-Pentanone	7.798	43	448	0.063	ug/l	#	71
49) Toluene	7.965	92	321	0.013	ug/l	#	25
52) 1,1,2-Trichloroethane	8.396	97	240	0.030	ug/l	#	74
54) 2-Hexanone	8.701	43	250	0.048	ug/l	#	79
58) Tetrachloroethene	8.540	164	312	0.029	ug/l	#	79
59) Chlorobenzene	9.444	112	1881	0.067	ug/l		95
63) Ethyl Benzene	9.566	91	3018	0.063	ug/l		100
64) m/p-Xylenes	9.688	106	1123	0.061	ug/l		80
65) o-Xylene	10.093	106	908	0.050	ug/l		88
66) Styrene	10.122	104	805	0.028	ug/l	#	71
69) Isopropylbenzene	10.476	105	471	0.011	ug/l	#	50
73) n-propylbenzene	11.081	120	284	0.022	ug/l	#	1
75) 1,3,5-Trimethylbenzene	11.084	105	408	0.010	ug/l	#	67
77) tert-Butylbenzene	11.418	119	142	0.004	ug/l	#	78
78) 1,2,4-Trimethylbenzene	11.466	105	761	0.019	ug/l		84
79) sec-Butylbenzene	11.637	105	581	0.011	ug/l	#	65

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81) p-Isopropyltoluene	11.794	119	701	0.016	ug/l	#	74
82) 1,3-Dichlorobenzene	11.839	146	2927	0.126	ug/l		93
83) 1,4-Dichlorobenzene	11.839	146	2927	0.123	ug/l		93
84) n-Butylbenzene	12.209	91	1310	0.032	ug/l	#	90
85) 1,2-Dichlorobenzene	12.203	146	2469	0.110	ug/l		92
87) 1,2,4-Trichlorobenzene	13.836	180	17776	1.311	ug/l		98
88) Hexachlorobutadiene	14.010	225	47	0.006	ug/l	#	18
89) Naphthalene	14.103	128	2560	0.107	ug/l	#	83
90) 1,2,3-Trichlorobenzene	14.334	180	727	0.057	ug/l	#	90

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

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