Quantitation Report (Qedit)

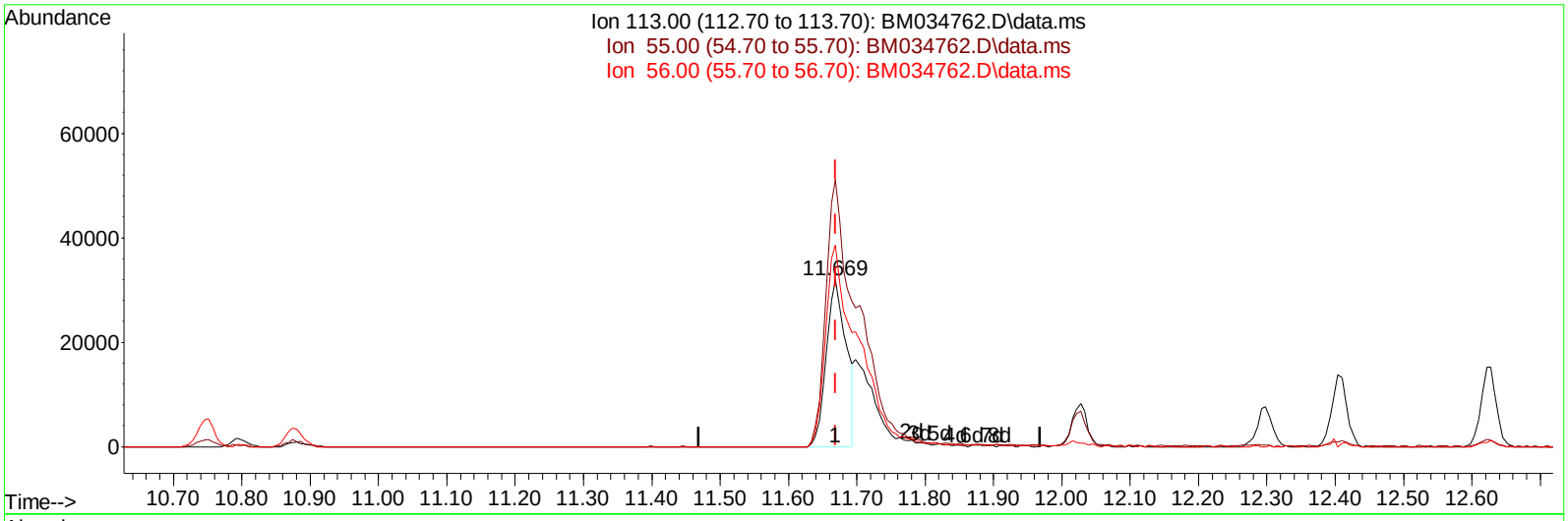
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042122\
Data File : BM034762.D
Acq On : 22 Apr 2022 00:40
Operator : CG/JU
Sample : PB144261BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

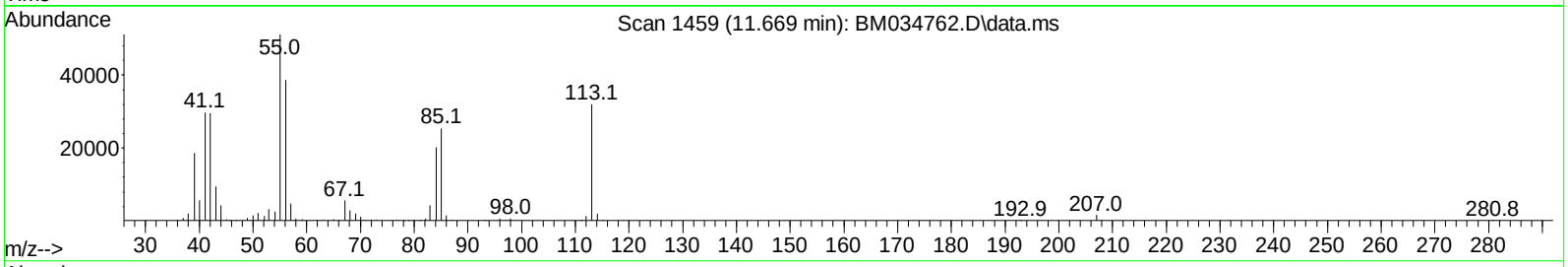
Quant Time: Apr 22 02:13:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM042122.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 21 05:03:15 2022
Response via : Initial Calibration

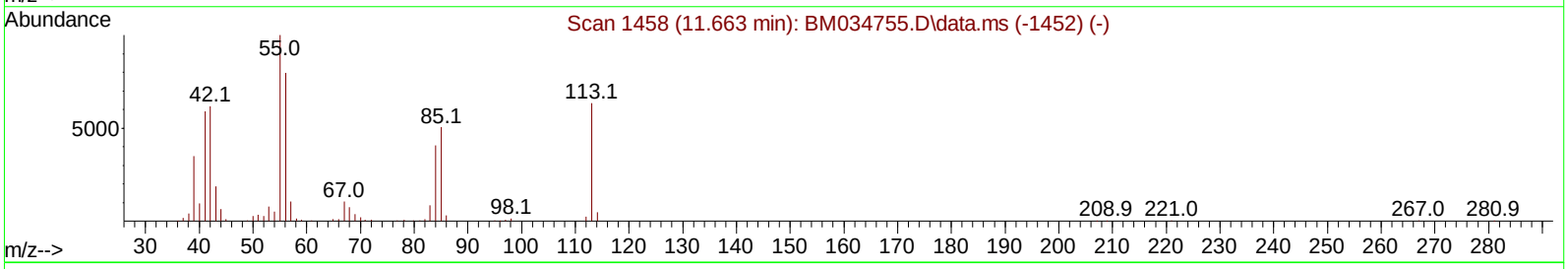
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS261

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 04/22/2022
Supervised By :mohammad ahmed 04/26/2022




TIC: BM034762.D\data.ms

**(34) Caprolactam**

**11.669min (-0.000) 21.50 ng/ul**

**response 64280**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 163.20 | 159.75 |
| 56.00 | 130.40 | 120.88 |
| 0.00 | 0.00 | 0.00 |

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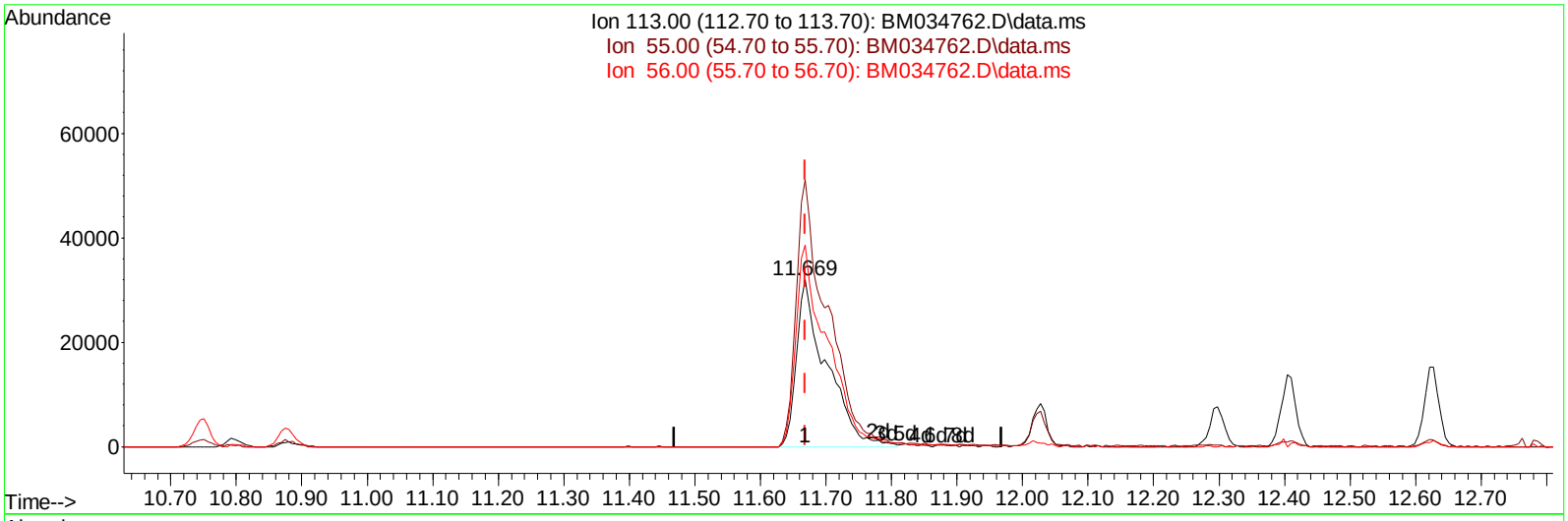


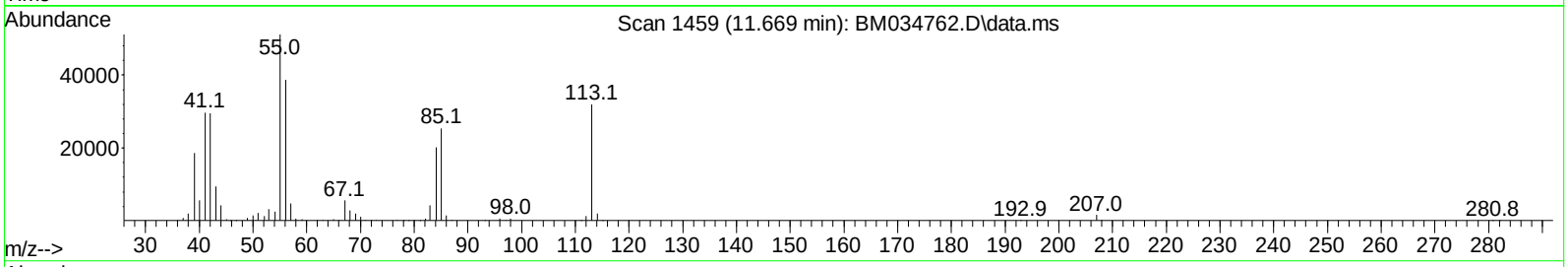


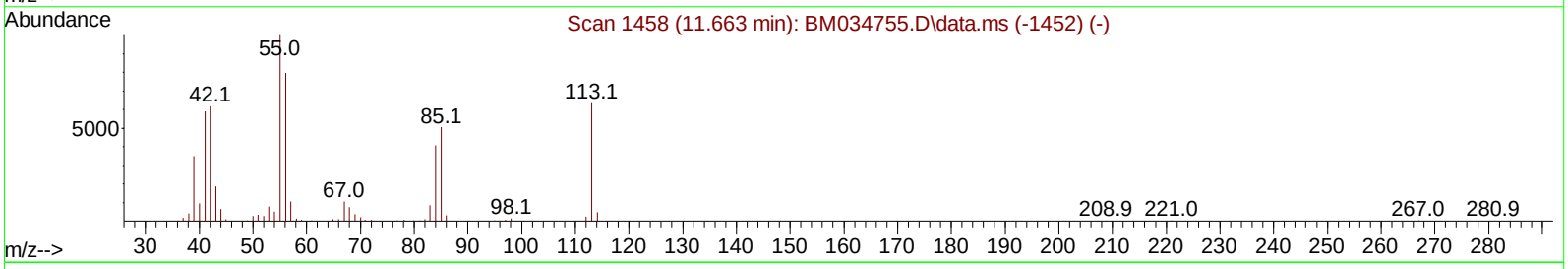


TIC: BM034762.D\data.ms

**(34) Caprolactam**

**11.669min (-0.000) 33.85 ng/ul m**

**response 101203**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 163.20 | 159.75 |
| 56.00 | 130.40 | 120.88 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.945 | 152 | 195083 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.751 | 136 | 769541 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.574 | 164 | 471814 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.315 | 188 | 922798 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.492 | 240 | 1017862 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.886 | 264 | 1049535 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.381 | 96 | 28514 | 6.422 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.793 | 84 | 357515 | 32.441 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.104 | 99 | 459603 | 31.192 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.269 | 67 | 283259 | 34.280 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.475 | 132 | 406714 | 32.614 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.651 | 113 | 379183 | 32.164 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.098 | 128 | 187673 | 33.385 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.828 | 143 | 194087 | 33.254 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.363 | 165 | 376160 | 30.596 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.875 | 131 | 463188 | 27.863 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.986 | 166 | 1086364 | 31.628 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.269 | 160 | 1337219 | 30.272 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.757 | 143 | 197779 | 34.301 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.563 | 176 | 922580 | 31.041 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.674 | 200 | 179203 | 33.849 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.415 | 188 | 1434915 | 31.933 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.703 | 212 | 1716305 | 30.982 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.733 | 264 | 1788778 | 33.699 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.416 | 88 | 57544 | 13.262 | ng/uL | 98 |
| 5) Pyridine | 3.810 | 79 | 395145 | 34.181 | ng/ul | 99 |
| 6) Benzaldehyde | 7.081 | 77 | 298723 | 38.366 | ng/ul | 99 |
| 8) Phenol | 7.128 | 94 | 491837 | 33.920 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.363 | 93 | 383444 | 34.262 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.504 | 128 | 429729 | 34.045 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.387 | 108 | 374946 | 34.105 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.481 | 45 | 557036 | 36.990 | ng/ul | 99 |
| 16) Acetophenone | 8.763 | 105 | 599445 | 33.188 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.757 | 70 | 295552 | 34.113 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.716 | 108 | 400951 | 33.711 | ng/ul | 98 |
| 19) Hexachloroethane | 9.034 | 117 | 180047 | 34.046 | ng/ul | 98 |
| 22) Nitrobenzene | 9.145 | 77 | 439280 | 34.613 | ng/ul | 99 |
| 23) Isophorone | 9.675 | 82 | 773658 | 33.248 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.857 | 139 | 224022 | 34.955 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.922 | 107 | 433692 | 32.154 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.157 | 93 | 480573 | 32.947 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.392 | 162 | 383736 | 31.997 | ng/ul | 99 |
| 30) Naphthalene | 10.798 | 128 | 1278119 | 32.503 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.904 | 127 | 480818 | 29.137 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.098 | 225 | 258279 | 29.806 | ng/ul | 97 |
| 34) Caprolactam | 11.669 | 113 | 101203m | 33.849 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.027 | 107 | 387201 | 34.074 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.404 | 142 | 882445 | 32.380 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.627 | 142 | 896397 | 32.686 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.774 | 216 | 455789 | 30.339 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.763 | 237 | 300182 | 27.600 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.010 | 196 | 298603 | 33.045 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.080 | 196 | 324189 | 33.533 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.416 | 154 | 1188518 | 32.590 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.451 | 162 | 915448 | 32.232 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.645 | 65 | 240496 | 39.275 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.033 | 163 | 1105998 | 32.890 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.145 | 165 | 219626 | 36.235 | ng/ul | 94 |
| 50) Acenaphthylene | 14.298 | 152 | 1455198 | 33.034 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.469 | 138 | 209943 | 38.996 | ng/ul | 98 |
| 52) Acenaphthene | 14.639 | 153 | 948771 | 32.681 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.674 | 184 | 117740 | 33.336 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.768 | 109 | 176746 | 38.626 | ng/ul | 93 |
| 56) Dibenzofuran | 14.974 | 168 | 1310329 | 31.726 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.927 | 165 | 326798 | 38.391 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 300955 | 39.132 | ng/ul# | 82 |
| 59) Diethylphthalate | 15.398 | 149 | 1011323 | 30.678 | ng/ul | 97 |
| 61) Fluorene | 15.621 | 166 | 1066046 | 32.066 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.615 | 204 | 589238 | 34.462 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.627 | 138 | 202020 | 42.773 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.692 | 198 | 185539 | 34.938 | ng/ul# | 85 |
| 67) N-Nitrosodiphenylamine | 15.827 | 169 | 903889 | 31.844 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.510 | 248 | 366017 | 36.078 | ng/ul# | 92 |
| 69) Hexachlorobenzene | 16.627 | 284 | 432326 | 37.294 | ng/ul# | 88 |
| 70) Atrazine | 16.780 | 200 | 351264 | 33.648 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.962 | 266 | 267659 | 35.559 | ng/ul | 98 |
| 72) Phenanthrene | 17.357 | 178 | 1681497 | 33.137 | ng/ul | 99 |
| 74) Anthracene | 17.451 | 178 | 1714978 | 33.239 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.380 | 216 | 475114 | 30.579 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.898 | 250 | 439533 | 30.689 | ng/uL | 99 |
| 77) Carbazole | 17.715 | 167 | 1464931 | 32.492 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.292 | 149 | 1606234 | 31.211 | ng/ul | 99 |
| 80) Fluoranthene | 19.368 | 202 | 2063922 | 31.865 | ng/ul# | 95 |
| 82) Pyrene | 19.733 | 202 | 2122978 | 31.825 | ng/ul# | 92 |
| 83) Butylbenzylphthalate | 20.633 | 149 | 681759 | 29.160 | ng/ul# | 89 |
| 84) 3,3'-Dichlorobenzidine | 21.403 | 252 | 670117 | 32.091 | ng/ul# | 99 |
| 85) Benzo(a)anthracene | 21.474 | 228 | 2133429 | 33.709 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.415 | 149 | 1034127 | 27.897 | ng/ul# | 96 |
| 87) Chrysene | 21.527 | 228 | 2086754 | 33.533 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.344 | 149 | 1709452 | 28.733 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.156 | 252 | 2344687 | 36.550 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 23.209 | 252 | 2081605 | 34.180 | ng/ul# | 98 |
| 93) Benzo(a)pyrene | 23.786 | 252 | 2217806 | 34.488 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.374 | 276 | 2616599 | 33.715 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.391 | 278 | 2250212 | 33.531 | ng/ul | 100 |
| 96) Benzo(g,h,i)perylene | 27.138 | 276 | 2221142 | 33.847 | ng/ul | 98 |

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

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