Quantitation Report (Qedit)

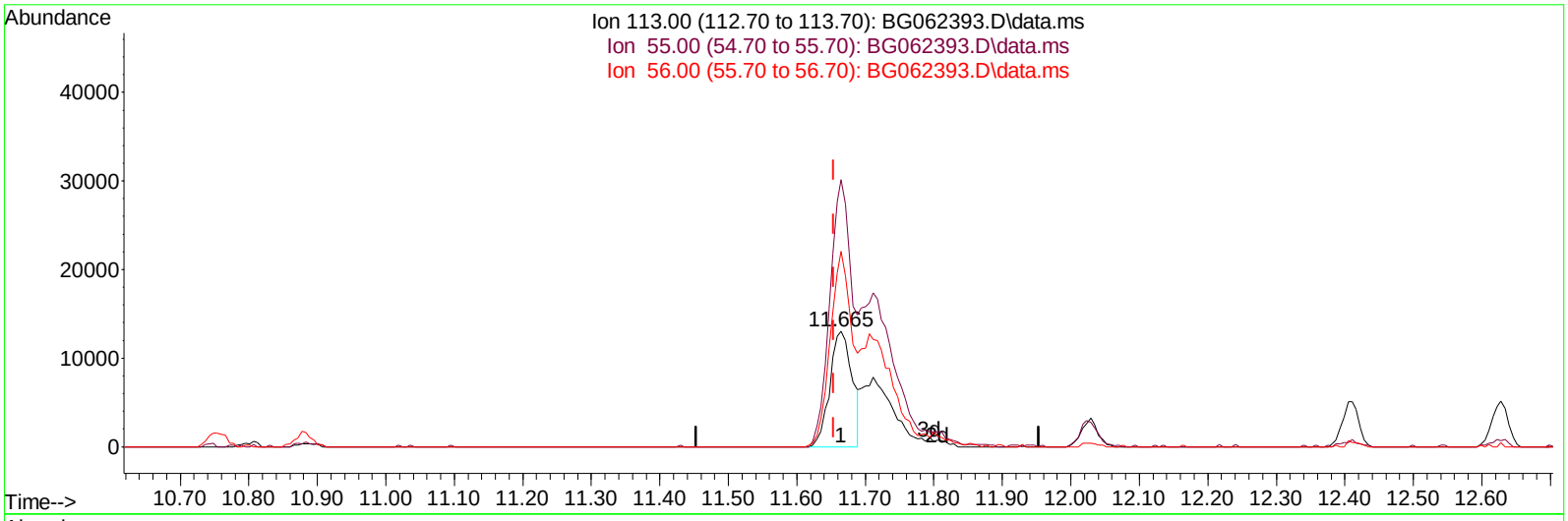
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081424\
Data File : BG062393.D
Acq On : 14 Aug 2024 13:31
Operator : MA/JU
Sample : SSTD04049
Misc :
ALS Vial : 5 Sample Multiplier: 1

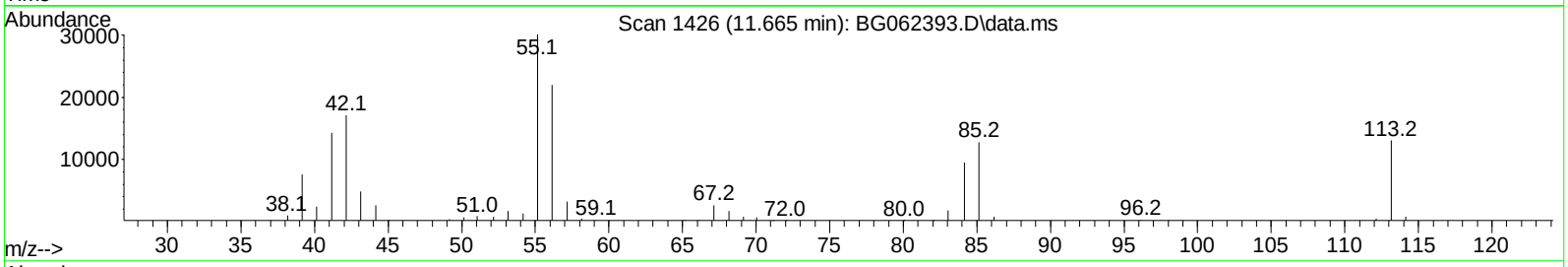
Quant Time: Aug 14 15:22:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 15:13:32 2024
Response via : Initial Calibration

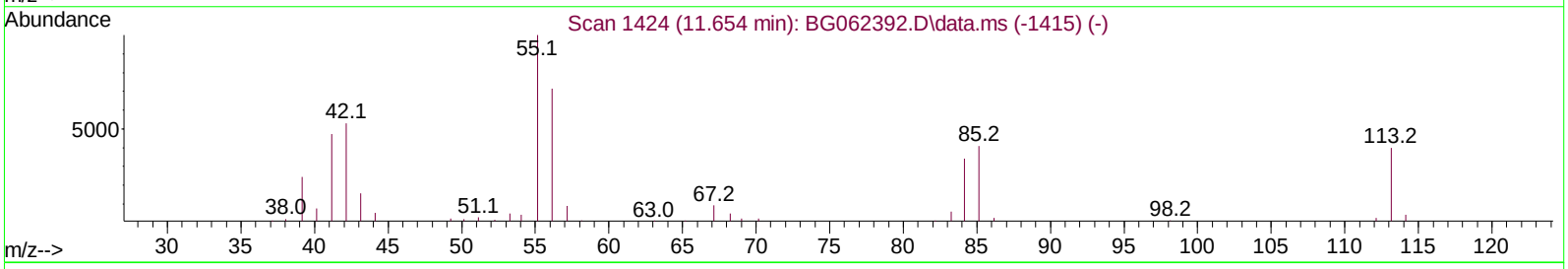
**Instrument :**
BNA_G
**ClientSampleId :**
SSTD040434

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024




TIC: BG062393.D\data.ms

**(34) Caprolactam**

**11.665min (+ 0.011) 24.02 ng/ul**

**response 29321**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 249.80 | 230.88 |
| 56.00 | 178.20 | 168.84 |
| 0.00 | 0.00 | 0.00 |

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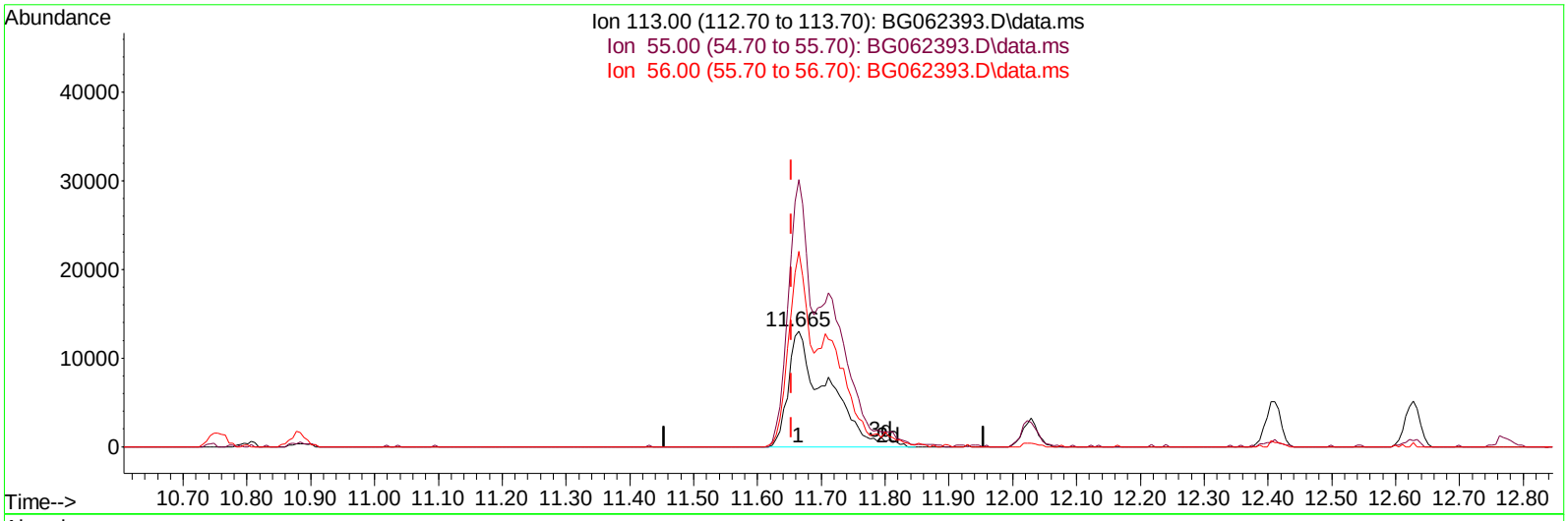


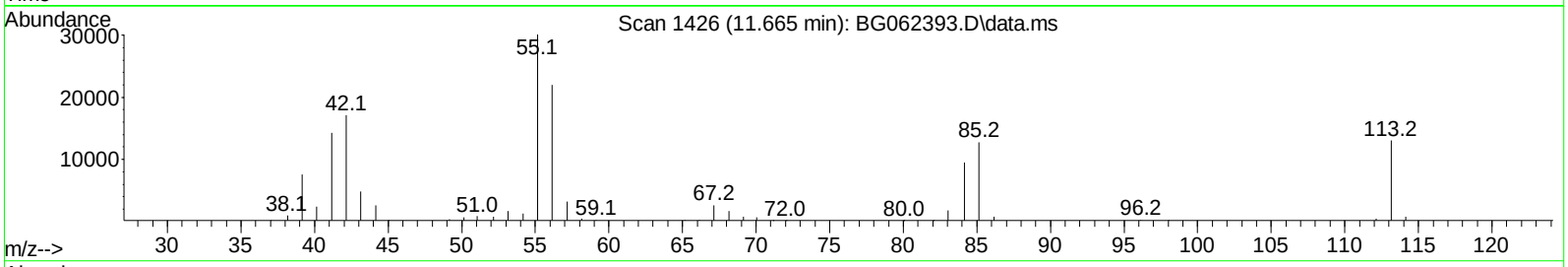


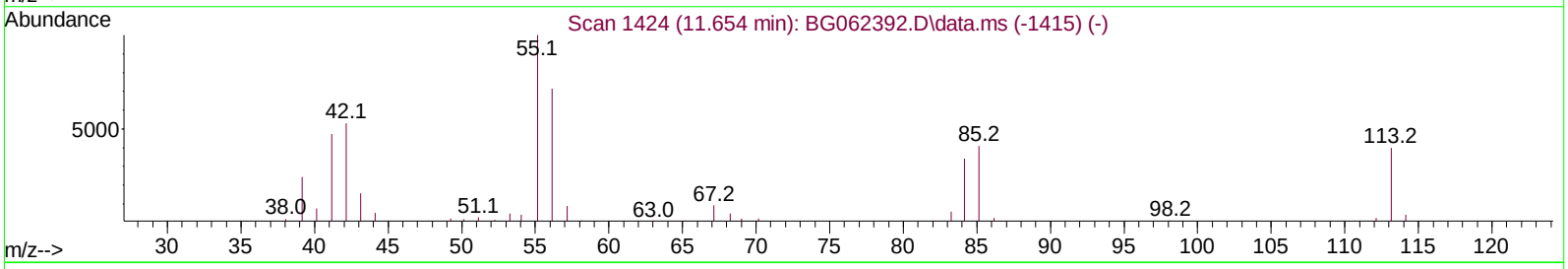


TIC: BG062393.D\data.ms

**(34) Caprolactam**

**11.665min (+ 0.011) 45.40 ng/ul m**

**response 55415**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 249.80 | 230.88 |
| 56.00 | 178.20 | 168.84 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_G
**ClientSampleId :**
SSTD040434

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.958 | 152 | 41935 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.754 | 136 | 198674 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.578 | 164 | 157791 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.322 | 188 | 375463 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.563 | 240 | 383910 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.659 | 264 | 439622 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.417 | 96 | 16921 | 16.634 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.822 | 84 | 134369 | 42.992 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.118 | 99 | 161608 | 40.107 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.288 | 67 | 101224 | 40.543 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.488 | 132 | 116127 | 40.544 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.657 | 113 | 136027 | 40.346 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.115 | 128 | 55293 | 44.545 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.832 | 143 | 57512 | 48.777 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.372 | 165 | 135500 | 40.659 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.883 | 131 | 204893 | 41.829 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.991 | 166 | 493977 | 40.433 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.273 | 160 | 544972 | 39.606 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.772 | 143 | 82528 | 46.736 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.571 | 176 | 441688 | 40.269 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.683 | 200 | 67995 | 55.458 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.422 | 188 | 721535 | 40.037 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.701 | 212 | 914860 | 39.983 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.447 | 264 | 943935 | 40.317 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.452 | 88 | 17517 | 16.032 | ng/uL | 96 |
| 5) Pyridine | 3.846 | 79 | 138418 | 42.455 | ng/ul | 95 |
| 6) Benzaldehyde | 7.094 | 77 | 94021 | 43.206 | ng/ul | 99 |
| 8) Phenol | 7.147 | 94 | 171965 | 40.416 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.382 | 93 | 127584 | 40.583 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.523 | 128 | 121531 | 40.156 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.393 | 108 | 127186 | 39.730 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475 | 45 | 260115 | 40.349 | ng/ul | 97 |
| 16) Acetophenone | 8.774 | 105 | 225237 | 41.753 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.769 | 70 | 122687 | 42.768 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.722 | 108 | 146055 | 40.451 | ng/ul | 98 |
| 19) Hexachloroethane | 9.039 | 117 | 46453 | 40.517 | ng/ul | 97 |
| 22) Nitrobenzene | 9.156 | 77 | 156287 | 44.651 | ng/ul | 99 |
| 23) Isophorone | 9.679 | 82 | 342205 | 40.574 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.867 | 139 | 65959 | 47.400 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.926 | 107 | 157560 | 39.508 | ng/ul | 100 |
| 27) Bis(2-Chloroethoxy)met... | 10.161 | 93 | 187662 | 39.589 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.396 | 162 | 136405 | 40.205 | ng/ul | 99 |
| 30) Naphthalene | 10.807 | 128 | 459644 | 40.634 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.907 | 127 | 199485 | 41.680 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.095 | 225 | 100917 | 39.483 | ng/ul | 98 |
| 34) Caprolactam | 11.665 | 113 | 55415m | 45.402 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.029 | 107 | 165131 | 42.995 | ng/ul | 99 |

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**Instrument :**
BNA_G
**ClientSampleId :**
SSTD040434

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.411 | 142 | 328696 | 41.827 ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.628 | 142 | 331059 | 40.849 ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.775 | 216 | 205953 | 40.006 ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.757 | 237 | 106690 | 50.238 ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.010 | 196 | 127982 | 42.780 ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.080 | 196 | 135781 | 42.528 ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.415 | 154 | 470446 | 39.704 ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.456 | 162 | 364630 | 39.668 ng/ul | 99 |
| 45) 2-Nitroaniline | 13.656 | 65 | 109493 | 46.248 ng/ul | 97 |
| 47) Dimethylphthalate | 14.038 | 163 | 498409 | 40.606 ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.150 | 165 | 83362 | 49.654 ng/ul | 93 |
| 50) Acenaphthylene | 14.302 | 152 | 579741 | 39.561 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.473 | 138 | 88320 | 45.325 ng/ul | 98 |
| 52) Acenaphthene | 14.643 | 153 | 431361 | 39.400 ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.678 | 184 | 44124 | 58.416 ng/ul | 92 |
| 55) 4-Nitrophenol | 14.784 | 109 | 71099 | 45.978 ng/ul | 97 |
| 56) Dibenzofuran | 14.978 | 168 | 608508 | 40.223 ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.937 | 165 | 126067 | 53.084 ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.201 | 232 | 133085 | 45.578 ng/ul# | 100 |
| 59) Diethylphthalate | 15.401 | 149 | 492445 | 39.676 ng/ul | 99 |
| 61) Fluorene | 15.630 | 166 | 477151 | 40.098 ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.624 | 204 | 245816 | 40.104 ng/ul | 97 |
| 63) 4-Nitroaniline | 15.642 | 138 | 92426 | 48.210 ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.700 | 198 | 79190 | 56.466 ng/ul# | 98 |
| 67) N-Nitrosodiphenylamine | 15.830 | 169 | 437774 | 39.239 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.517 | 248 | 171184 | 40.381 ng/ul | 95 |
| 69) Hexachlorobenzene | 16.629 | 284 | 196132 | 39.584 ng/ul | 98 |
| 70) Atrazine | 16.781 | 200 | 181619 | 41.758 ng/ul | 99 |
| 71) Pentachlorophenol | 16.969 | 266 | 116372 | 43.677 ng/ul | 99 |
| 72) Phenanthrene | 17.363 | 178 | 834921 | 39.597 ng/ul | 99 |
| 74) Anthracene | 17.457 | 178 | 864054 | 39.906 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.380 | 216 | 212256 | 38.629 ng/ul | 98 |
| 76) Pentachlorobenzene | 14.901 | 250 | 222224 | 38.366 ng/ul | 99 |
| 77) Carbazole | 17.721 | 167 | 740531 | 41.523 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.291 | 149 | 885211 | 41.700 ng/ul | 99 |
| 80) Fluoranthene | 19.372 | 202 | 1013595 | 39.058 ng/ul | 99 |
| 82) Pyrene | 19.730 | 202 | 1096298 | 39.667 ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.629 | 149 | 394430 | 41.675 ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.463 | 252 | 360570 | 41.389 ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.545 | 228 | 1111810 | 39.487 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.475 | 149 | 569910 | 39.300 ng/ul# | 100 |
| 87) Chrysene | 21.610 | 228 | 1033419 | 38.862 ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.650 | 149 | 973394 | 39.358 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.678 | 252 | 1076938 | 40.493 ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.748 | 252 | 1072603 | 39.509 ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.518 | 252 | 1005337 | 39.822 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.154 | 276 | 1303496 | 40.082 ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.225 | 278 | 1057837 | 39.735 ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.247 | 276 | 995568 | 40.201 ng/ul | 98 |

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

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BNA_G
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SSTD040434

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