Quantitation Report (Qedit)

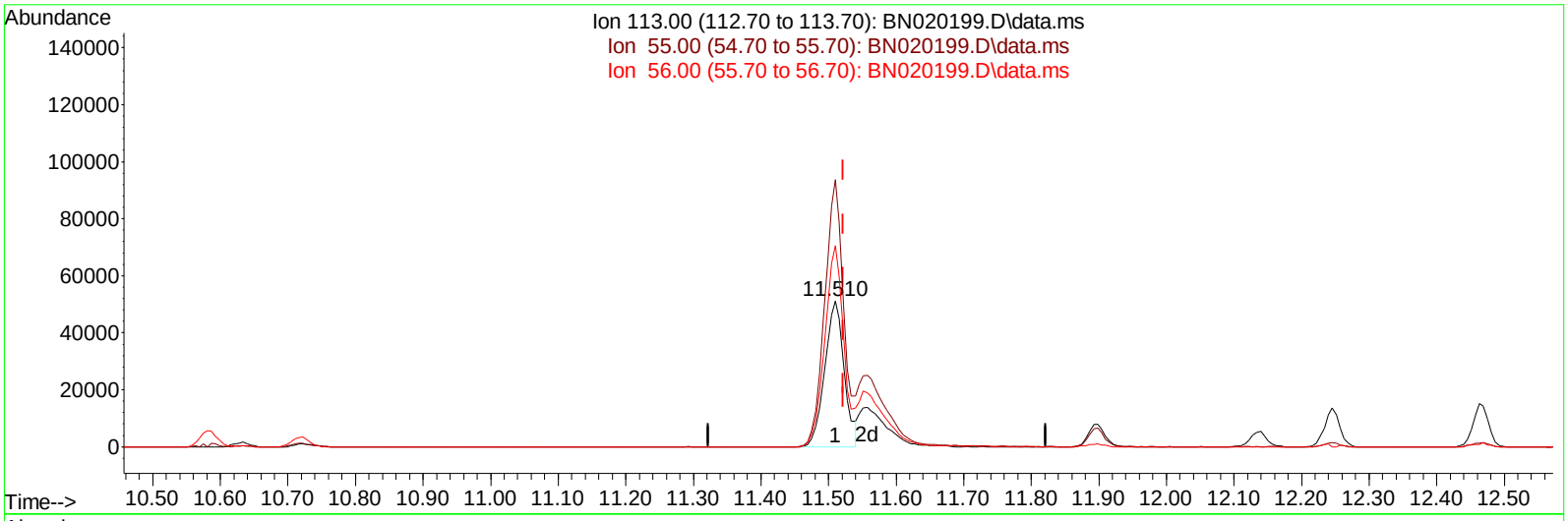
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061522\
Data File : BN020199.D
Acq On : 16 Jun 2022 11:54
Operator : CG/JU
Sample : PB145548BS
Misc :
ALS Vial : 34 Sample Multiplier: 1

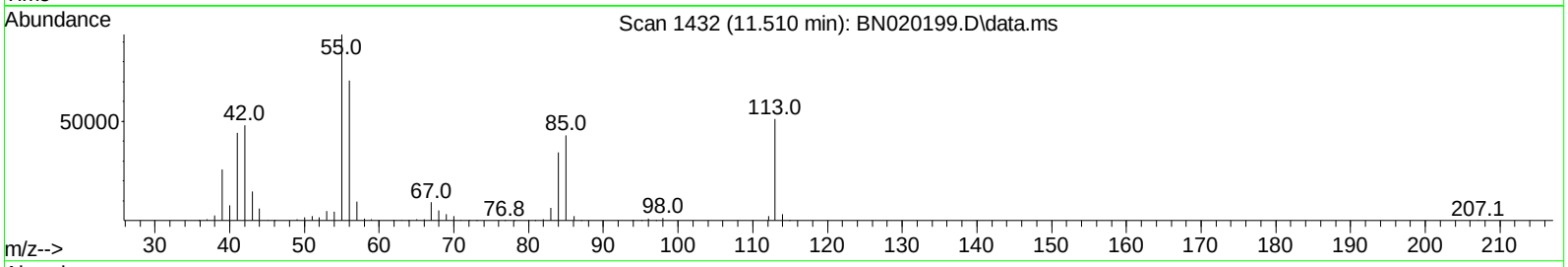
Quant Time: Jun 17 02:26:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN060622.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 16 00:50:14 2022
Response via : Initial Calibration

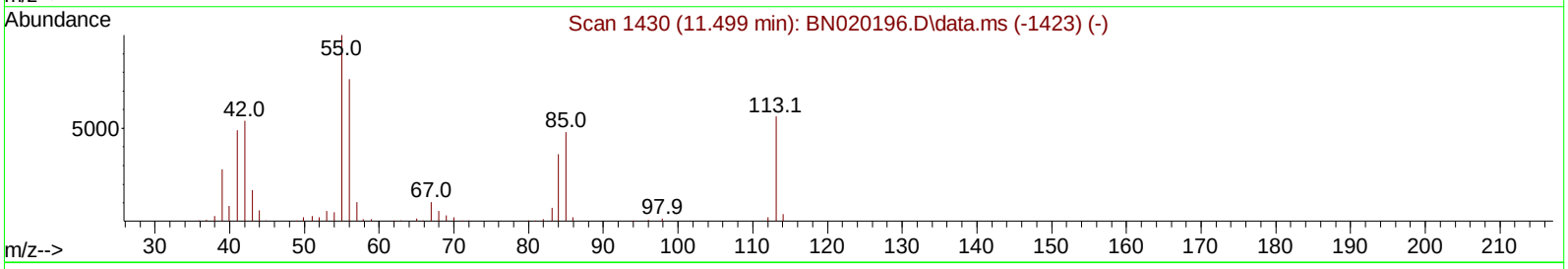
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS548

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 06/17/2022
Supervised By :mohammad ahmed 06/22/2022




TIC: BN020199.D\data.ms

**(34) Caprolactam**

**11.510min (-0.012) 22.79 ng/ul**

**response 102414**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 181.90 | 183.18 |
| 56.00 | 133.10 | 138.08 |
| 0.00 | 0.00 | 0.00 |

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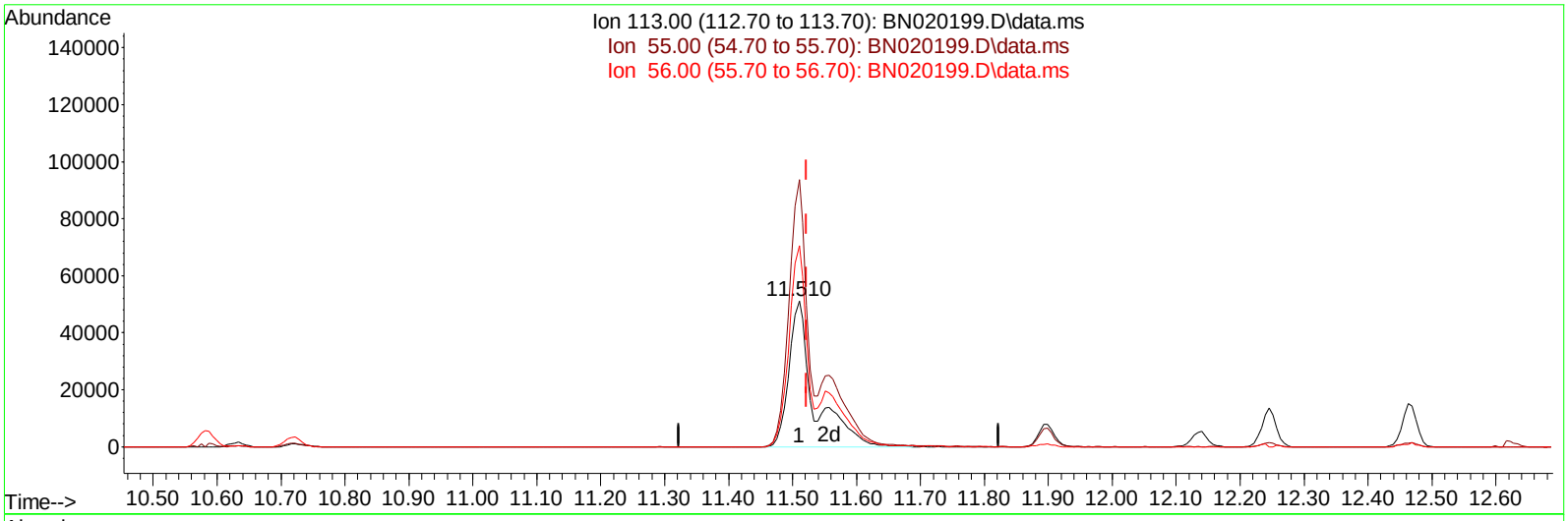


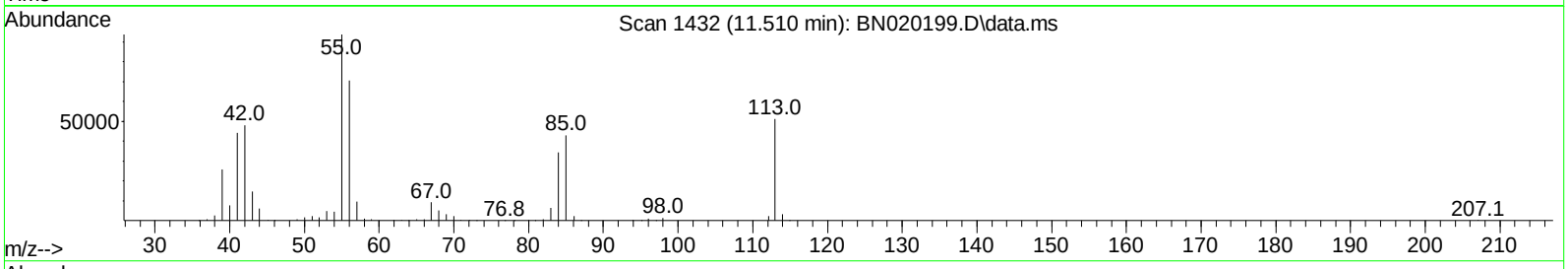


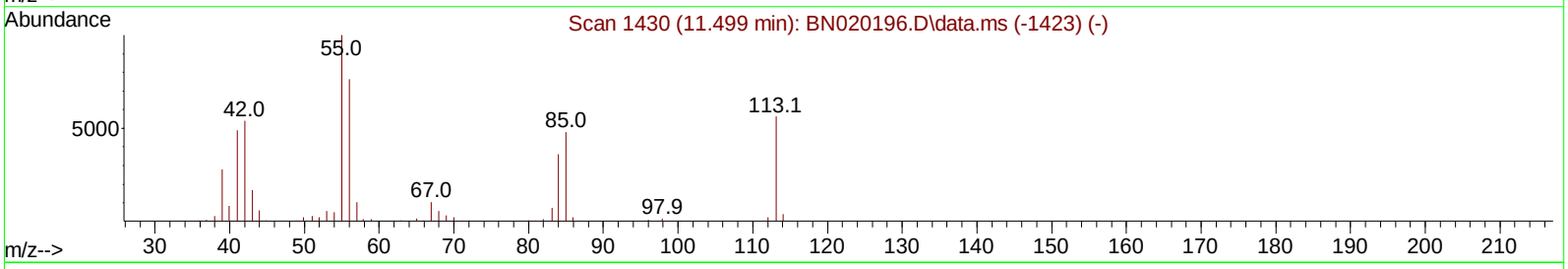


TIC: BN020199.D\data.ms

**(34) Caprolactam**

**11.510min (-0.012) 31.52 ng/ul m**

**response 141642**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 181.90 | 183.18 |
| 56.00 | 133.10 | 138.08 |
| 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 | 7.793 | 152 | 170566 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.581 | 136 | 789205 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.422 | 164 | 502881 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.163 | 188 | 1058740 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.357 | 240 | 884439 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.668 | 264 | 803216 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.258 | 96 | 24557 | 6.236 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.664 | 84 | 329506 | 30.613 | ng/ul | -0.01 |
| 7) Phenol-d5 | 6.987 | 99 | 456174 | 32.321 | ng/ul | 0.02 |
| 9) Bis-(2-Chloroethyl)eth... | 7.128 | 67 | 278630 | 31.598 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.334 | 132 | 376906 | 32.866 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.522 | 113 | 396044 | 32.434 | ng/ul | 0.02 |
| 21) Nitrobenzene-d5 | 8.946 | 128 | 195151 | 32.503 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.669 | 143 | 217415 | 34.120 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.222 | 165 | 372237 | 33.463 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.722 | 131 | 533058 | 29.592 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.840 | 166 | 1216997 | 33.260 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.116 | 160 | 1400299 | 33.000 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.657 | 143 | 232194 | 31.668 | ng/ul | 0.03 |
| 60) Fluorene-d10 | 15.416 | 176 | 1005189 | 33.198 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200 | 223665 | 36.470 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.263 | 188 | 1542529 | 33.384 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.557 | 212 | 1684477 | 35.132 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.527 | 264 | 1328157 | 33.796 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 47764 | 11.489 | ng/uL# | 91 |
| 5) Pyridine | 3.687 | 79 | 330917 | 29.326 | ng/ul | 95 |
| 6) Benzaldehyde | 6.934 | 77 | 260622 | 39.190 | ng/ul | 91 |
| 8) Phenol | 7.010 | 94 | 465247 | 30.957 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.222 | 93 | 357973 | 30.432 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.369 | 128 | 376453 | 31.405 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.257 | 108 | 358725 | 31.048 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.328 | 45 | 555433 | 30.112 | ng/ul | 98 |
| 16) Acetophenone | 8.616 | 105 | 577491 | 31.098 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.605 | 70 | 289437 | 30.511 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.581 | 108 | 401561 | 31.490 | ng/ul | 95 |
| 19) Hexachloroethane | 8.869 | 117 | 147523 | 30.586 | ng/ul | 87 |
| 22) Nitrobenzene | 8.987 | 77 | 427389 | 30.700 | ng/ul | 96 |
| 23) Isophorone | 9.516 | 82 | 843338 | 30.681 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.699 | 139 | 224983 | 31.953 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.775 | 107 | 447608 | 30.685 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.999 | 93 | 511385 | 30.402 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.246 | 162 | 362639 | 31.516 | ng/ul | 98 |
| 30) Naphthalene | 10.634 | 128 | 1219801 | 29.823 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.746 | 127 | 509401 | 28.272 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.928 | 225 | 199299 | 30.168 | ng/ul | 98 |
| 34) Caprolactam | 11.510 | 113 | 141642m | 31.522 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.898 | 107 | 450306 | 33.143 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.246 | 142 | 848851 | 30.698 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.463 | 142 | 876589 | 31.064 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216 | 394282 | 30.742 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.604 | 237 | 200231 | 25.664 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.863 | 196 | 291205 | 32.928 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 12.957 | 196 | 319415 | 32.612 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.257 | 154 | 1159430 | 31.136 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.298 | 162 | 878219 | 31.088 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.504 | 65 | 296646 | 33.754 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.887 | 163 | 1163718 | 31.592 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.004 | 165 | 247670 | 34.389 | ng/ul | 95 |
| 50) Acenaphthylene | 14.145 | 152 | 1475895 | 31.415 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.328 | 138 | 259229 | 34.047 | ng/ul | 98 |
| 52) Acenaphthene | 14.487 | 153 | 942454 | 30.711 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.540 | 184 | 158367 | 34.345 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.675 | 109 | 186000 | 29.719 | ng/ul | 96 |
| 56) Dibenzofuran | 14.822 | 168 | 1349022 | 31.203 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.787 | 165 | 365606 | 34.285 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.057 | 232 | 255303 | 33.205 | ng/ul | 91 |
| 59) Diethylphthalate | 15.251 | 149 | 1214435 | 32.023 | ng/ul | 97 |
| 61) Fluorene | 15.469 | 166 | 1049555 | 31.198 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 478577 | 30.890 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.492 | 138 | 270888 | 38.075 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 214976 | 34.574 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.681 | 169 | 953974 | 31.430 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.357 | 248 | 292915 | 31.769 | ng/ul# | 90 |
| 69) Hexachlorobenzene | 16.481 | 284 | 338123 | 31.903 | ng/ul# | 92 |
| 70) Atrazine | 16.634 | 200 | 352239 | 33.261 | ng/ul | 94 |
| 71) Pentachlorophenol | 16.828 | 266 | 205958 | 31.201 | ng/ul | 94 |
| 72) Phenanthrene | 17.204 | 178 | 1769068 | 31.662 | ng/ul | 100 |
| 74) Anthracene | 17.298 | 178 | 1789218 | 31.847 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachloroben... | 13.228 | 216 | 424166 | 29.918 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.751 | 250 | 394287 | 31.467 | ng/uL | 96 |
| 77) Carbazole | 17.569 | 167 | 1689257 | 33.051 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.139 | 149 | 2099777 | 33.131 | ng/ul | 100 |
| 80) Fluoranthene | 19.227 | 202 | 2007767 | 34.671 | ng/ul | 97 |
| 82) Pyrene | 19.592 | 202 | 2039556 | 34.330 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.498 | 149 | 1003288 | 37.524 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.274 | 252 | 552877 | 32.729 | ng/ul# | 98 |
| 85) Benzo(a)anthracene | 21.339 | 228 | 1772496 | 31.737 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.280 | 149 | 1393183 | 36.930 | ng/ul | 98 |
| 87) Chrysene | 21.392 | 228 | 1735189 | 31.757 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.180 | 149 | 2478017 | 37.905 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.974 | 252 | 1651603 | 32.763 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.016 | 252 | 1601810 | 33.379 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 23.568 | 252 | 1574690 | 32.270 | ng/ul | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 26.045 | 276 | 1651672 | 32.899 | ng/ul# | 93 |
| 95) Dibenzo(a,h)anthracene | 26.068 | 278 | 1419964 | 33.113 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 26.780 | 276 | 1465453 | 34.565 | ng/ul | 95 |

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

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