Quantitation Report (Qedit)

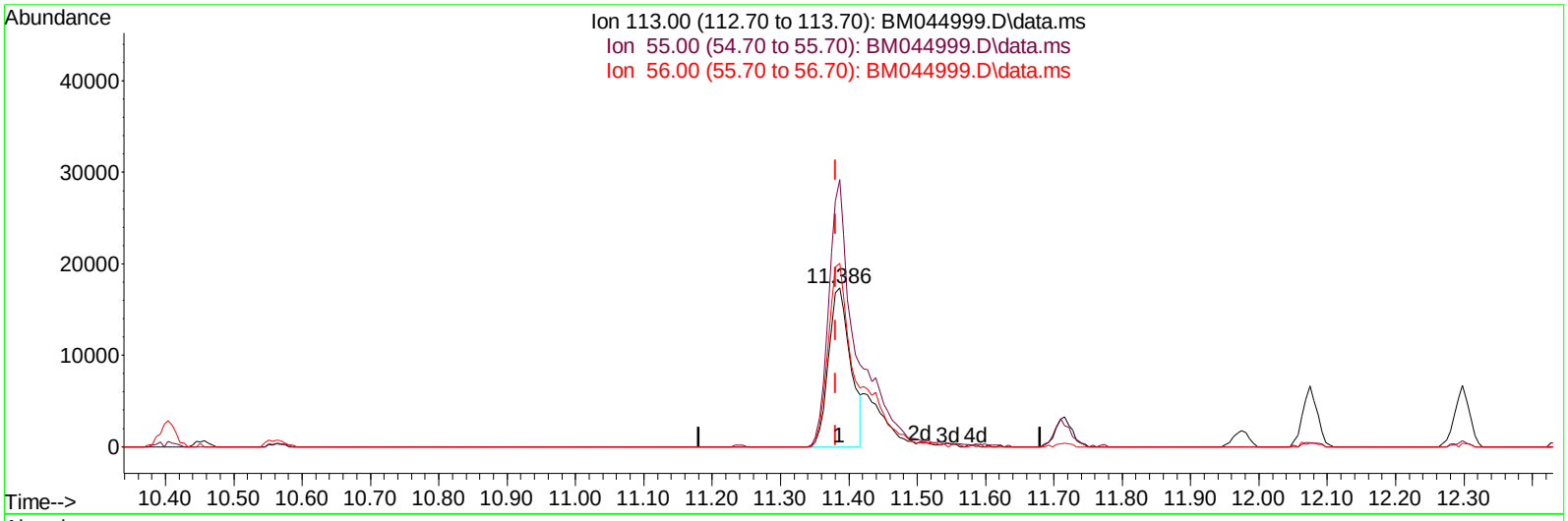
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
Data File : BM044999.D
Acq On : 07 Apr 2024 09:24
Operator : MA/JU
Sample : PB160051BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

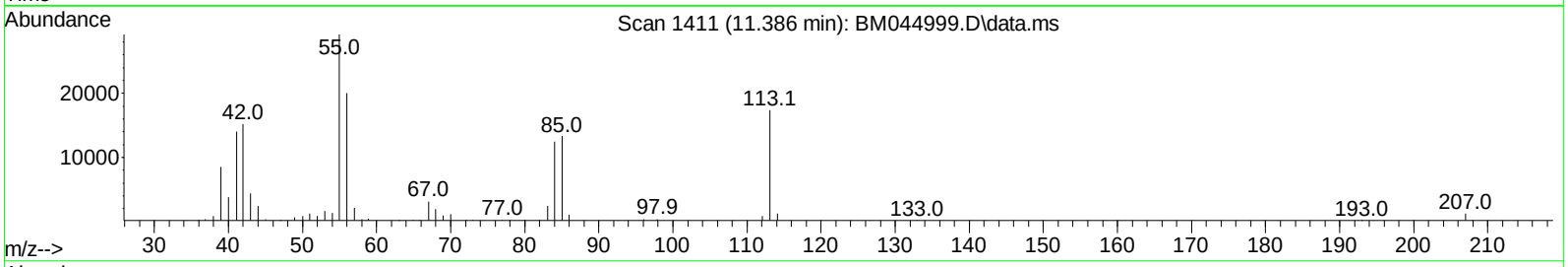
Quant Time: Apr 08 05:53:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 08 05:51:38 2024
Response via : Initial Calibration

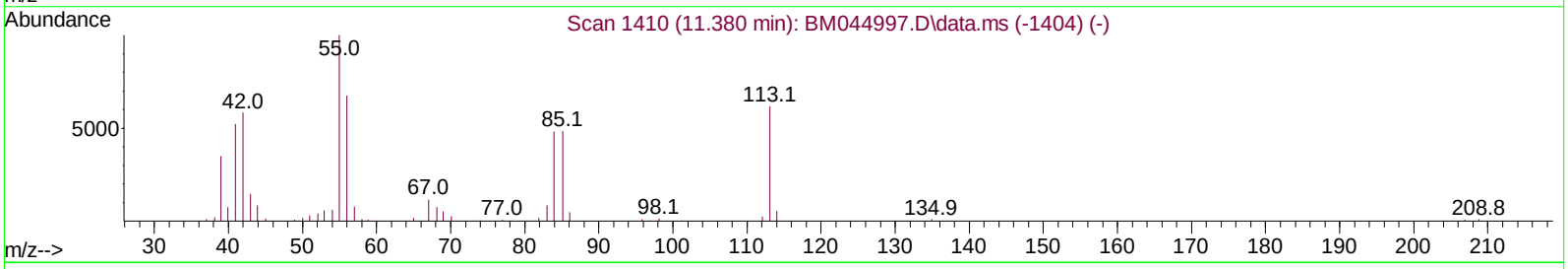
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS051

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/09/2024
Supervised By :mohammad ahmed 04/09/2024




TIC: BM044999.D\data.ms

**(34) Caprolactam**

**11.386min (+ 0.006) 20.95 ng/ul**

**response 38740**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 156.70 | 167.72 |
| 56.00 | 114.80 | 115.36 |
| 0.00 | 0.00 | 0.00 |

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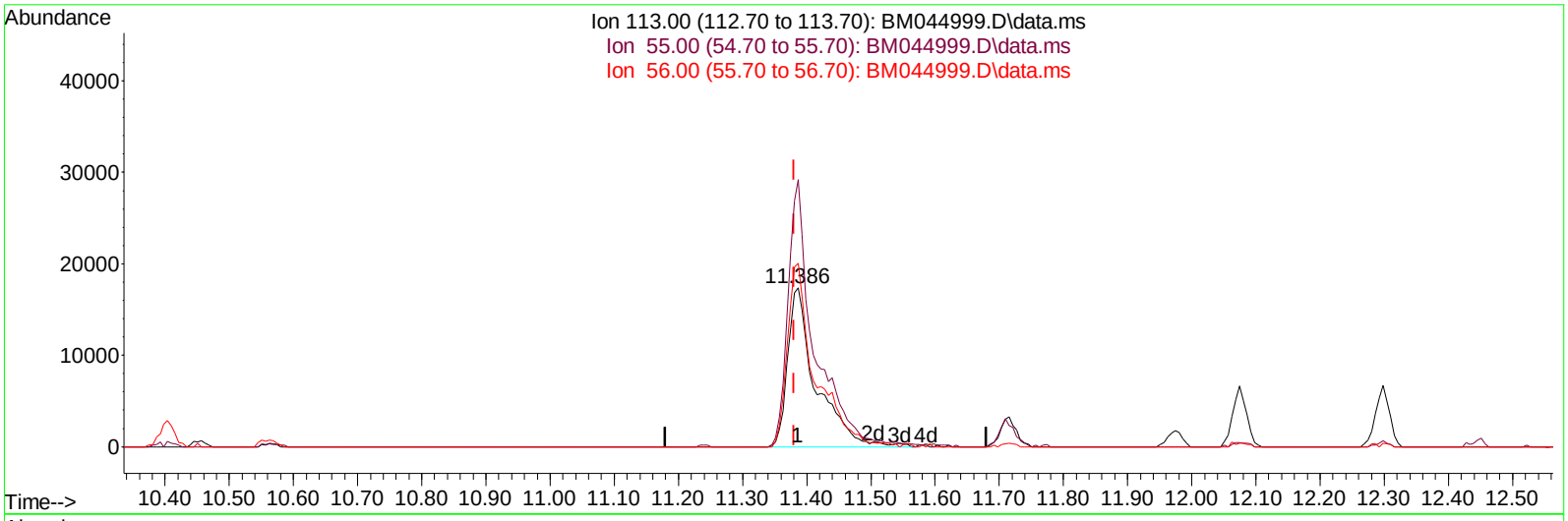


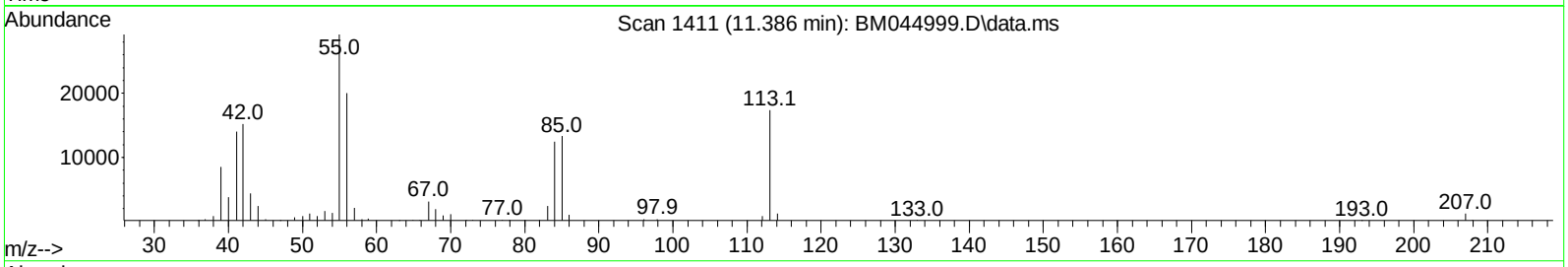


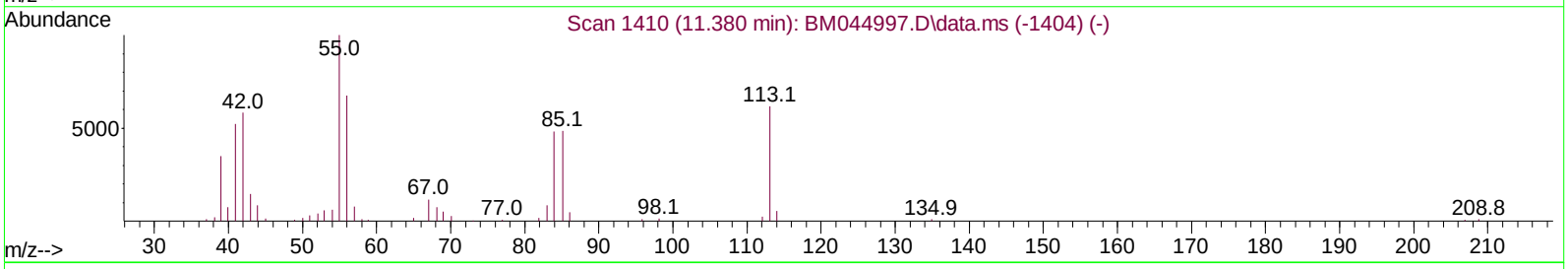


TIC: BM044999.D\data.ms

**(34) Caprolactam**

**11.386min (+ 0.006) 28.74 ng/ul m**

**response 53146**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 156.70 | 167.72 |
| 56.00 | 114.80 | 115.36 |
| 0.00 | 0.00 | 0.00 |

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

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Supervised By :mohammad ahmed 04/09/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.628 | 152 | 79701 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.404 | 136 | 364707 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.280 | 164 | 231871 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.039 | 188 | 484579 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.244 | 240 | 479440 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.468 | 264 | 556938 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.210 | 96 | 9636 | 4.515 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.610 | 84 | 87509 | 15.077 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.816 | 99 | 107900 | 15.969 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.987 | 67 | 63223 | 15.705 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.163 | 132 | 88411 | 16.702 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.339 | 113 | 83272 | 15.745 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.792 | 128 | 42444 | 15.151 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.504 | 143 | 45840 | 15.503 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.033 | 165 | 91361 | 16.852 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.563 | 131 | 121640 | 14.093 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.704 | 166 | 239597 | 14.841 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.969 | 160 | 291221 | 15.269 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.510 | 143 | 46144 | 13.695 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.280 | 176 | 218404 | 15.174 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.421 | 200 | 38271 | 13.320 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.139 | 188 | 333018 | 15.277 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.445 | 212 | 389214 | 16.487 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.327 | 264 | 424603 | 15.628 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.240 | 88 | 21463 | 9.629 | ng/uL# | 79 |
| 5) Pyridine | 3.622 | 79 | 173575 | 28.224 | ng/ul | 98 |
| 6) Benzaldehyde | 6.798 | 77 | 115439 | 36.856 | ng/ul | 97 |
| 8) Phenol | 6.840 | 94 | 222883 | 31.855 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.075 | 93 | 161816 | 29.633 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.198 | 128 | 180368 | 32.472 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.075 | 108 | 159777 | 30.937 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.157 | 45 | 196751 | 30.209 | ng/ul | 98 |
| 16) Acetophenone | 8.457 | 105 | 258382 | 30.050 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.439 | 70 | 129946 | 32.008 | ng/ul# | 94 |
| 18) 4-Methylphenol | 8.404 | 108 | 175705 | 31.564 | ng/ul | 96 |
| 19) Hexachloroethane | 8.681 | 117 | 75879 | 31.060 | ng/ul | 97 |
| 22) Nitrobenzene | 8.834 | 77 | 197704 | 28.765 | ng/ul | 96 |
| 23) Isophorone | 9.357 | 82 | 357600 | 28.318 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.534 | 139 | 99811 | 30.413 | ng/ul | 91 |
| 26) 2,4-Dimethylphenol | 9.598 | 107 | 165174 | 26.105 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.839 | 93 | 215684 | 28.811 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.063 | 162 | 171907 | 31.386 | ng/ul | 97 |
| 30) Naphthalene | 10.451 | 128 | 550282 | 28.502 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.586 | 127 | 223030 | 26.555 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.722 | 225 | 97429 | 28.609 | ng/ul | 94 |
| 34) Caprolactam | 11.386 | 113 | 53146m | 28.741 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.716 | 107 | 175157 | 32.169 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.075 | 142 | 373393 | 29.621 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.298 | 142 | 377186 | 29.568 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.445 | 216 | 190681 | 30.070 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.410 | 237 | 79892 | 20.812 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.698 | 196 | 132573 | 32.049 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 12.774 | 196 | 145685 | 31.964 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.104 | 154 | 481749 | 29.422 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.145 | 162 | 389857 | 29.307 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.374 | 65 | 116355 | 31.687 | ng/ul | 97 |
| 47) Dimethylphthalate | 13.751 | 163 | 469116 | 27.800 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.880 | 165 | 99144 | 29.976 | ng/ul | 94 |
| 50) Acenaphthylene | 13.998 | 152 | 636995 | 28.596 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.216 | 138 | 107658 | 29.840 | ng/ul | 96 |
| 52) Acenaphthene | 14.345 | 153 | 418945 | 28.185 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.427 | 184 | 47675 | 24.245 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.527 | 109 | 80113 | 27.036 | ng/ul | 88 |
| 56) Dibenzofuran | 14.680 | 168 | 587300 | 28.874 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.674 | 165 | 150423 | 30.383 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.910 | 232 | 121277 | 31.090 | ng/ul | 99 |
| 59) Diethylphthalate | 15.121 | 149 | 493680 | 28.676 | ng/ul | 98 |
| 61) Fluorene | 15.339 | 166 | 491466 | 28.668 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.339 | 204 | 232278 | 28.907 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.386 | 138 | 99883 | 30.451 | ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.439 | 198 | 78674 | 25.569 | ng/ul | 92 |
| 67) N-Nitrosodiphenylamine | 15.557 | 169 | 405482 | 31.019 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.233 | 248 | 141668 | 30.018 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.333 | 284 | 182320 | 29.698 | ng/ul | 98 |
| 70) Atrazine | 16.527 | 200 | 139984 | 29.112 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.686 | 266 | 108234 | 29.023 | ng/ul | 96 |
| 72) Phenanthrene | 17.080 | 178 | 759470 | 29.124 | ng/ul | 98 |
| 74) Anthracene | 17.174 | 178 | 761611 | 28.552 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.063 | 216 | 188617 | 30.882 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.592 | 250 | 199521 | 30.704 | ng/uL | 99 |
| 77) Carbazole | 17.457 | 167 | 726389 | 28.241 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.021 | 149 | 901145 | 31.067 | ng/ul | 99 |
| 80) Fluoranthene | 19.109 | 202 | 893261 | 32.081 | ng/ul | 99 |
| 82) Pyrene | 19.474 | 202 | 958016 | 31.884 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.398 | 149 | 419757 | 33.343 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.174 | 252 | 311861 | 29.254 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.233 | 228 | 968900 | 29.784 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.174 | 149 | 671597 | 34.129 | ng/ul | 99 |
| 87) Chrysene | 21.286 | 228 | 900788 | 29.703 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.056 | 149 | 1148027 | 32.762 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.803 | 252 | 1040387 | 32.051 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 22.850 | 252 | 978216 | 29.940 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.374 | 252 | 852889 | 26.997 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.709 | 276 | 1240641 | 30.317 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 25.721 | 278 | 1019748 | 29.805 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 26.385 | 276 | 924022 | 28.622 | ng/ul | 97 |

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

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