Quantitation Report (Qedit)

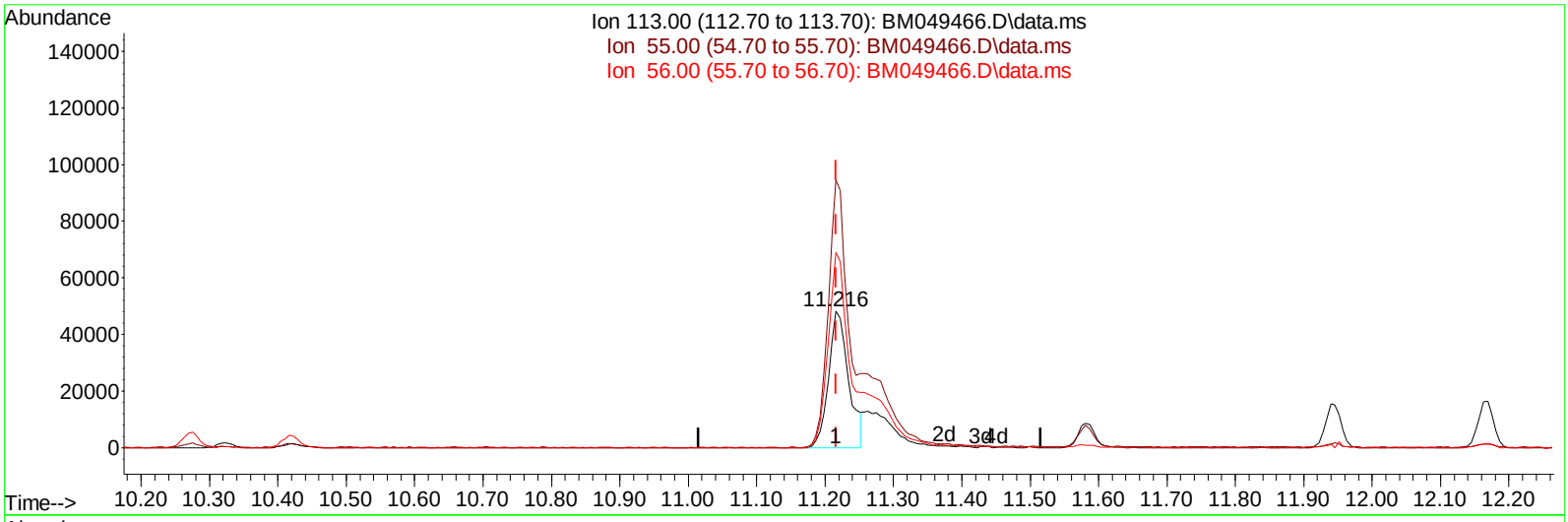
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
Data File : BM049466.D
Acq On : 28 Jan 2025 12:50
Operator : RC/JU
Sample : SSTD04075
Misc :
ALS Vial : 6 Sample Multiplier: 1

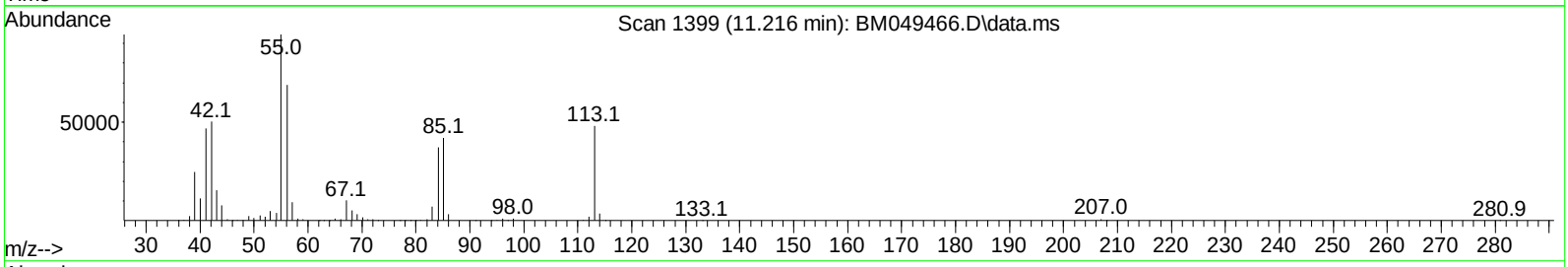
Quant Time: Jan 28 13:59:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 13:51:43 2025
Response via : Initial Calibration

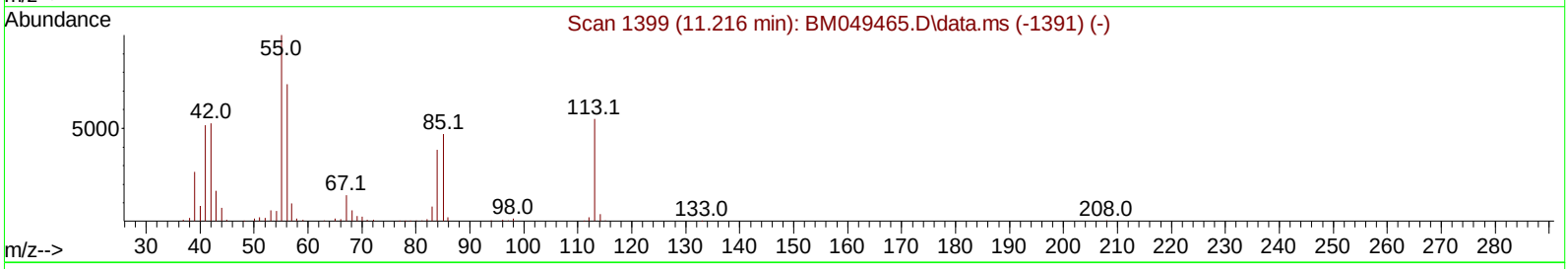
**Instrument :**
BNA_M
**ClientSampleId :**
SSTD040016

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :mohammad ahmed 02/05/2025




TIC: BM049466.D\data.ms

**(34) Caprolactam**

**11.216min (+ 0.000) 26.83 ng/ul**

**response 97477**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 182.50 | 195.84 |
| 56.00 | 134.80 | 143.14 |
| 0.00 | 0.00 | 0.00 |

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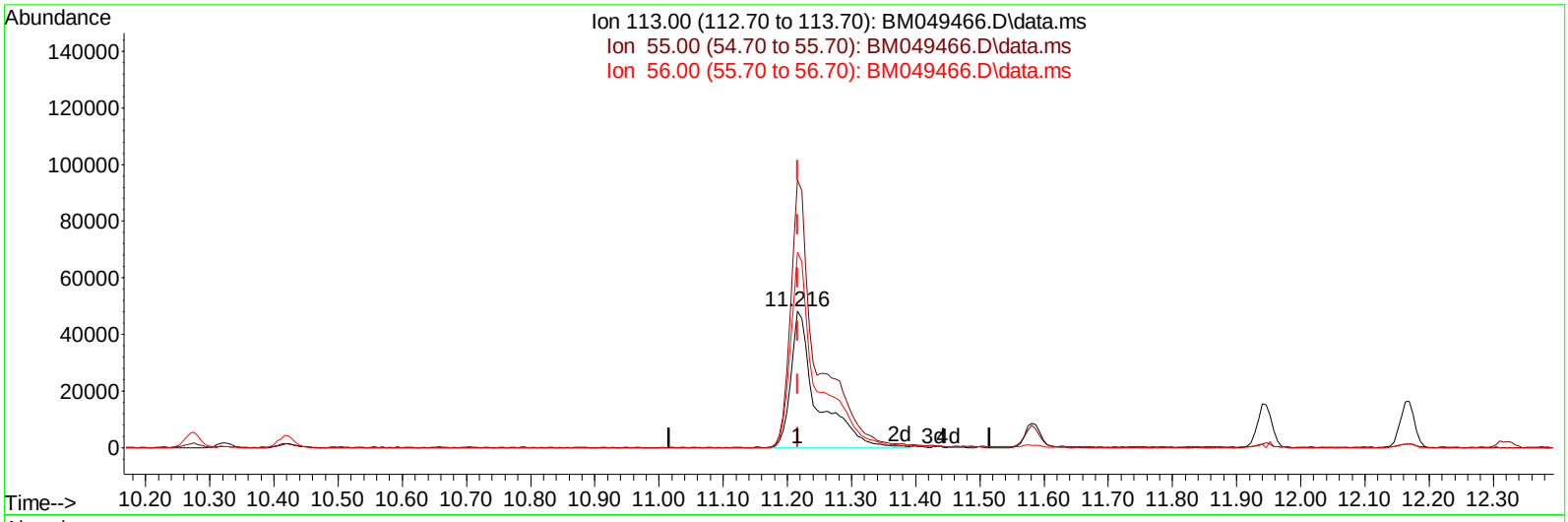


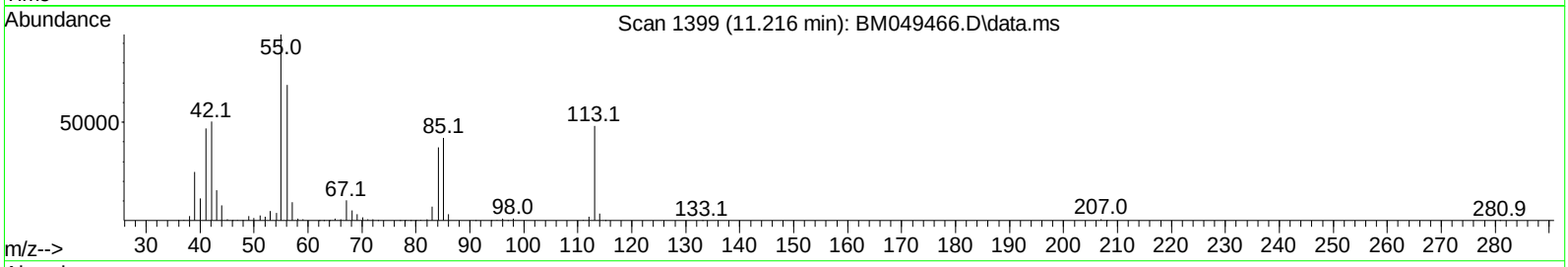


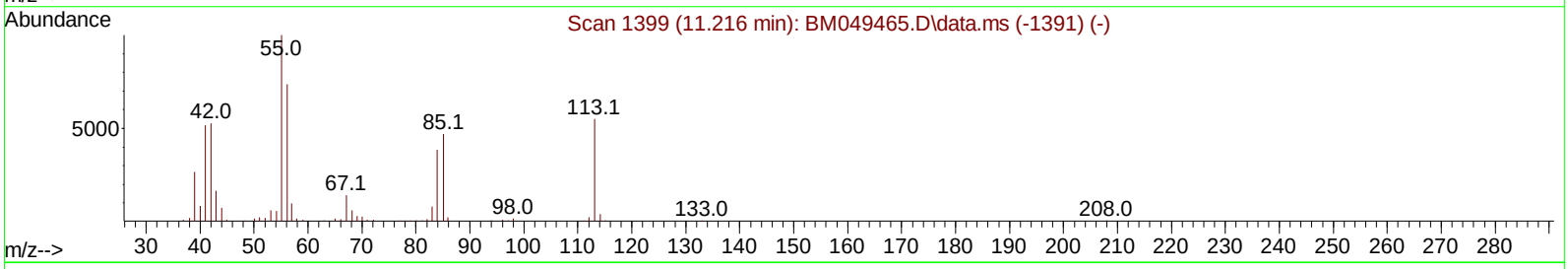


TIC: BM049466.D\data.ms

**(34) Caprolactam**

**11.216min (+ 0.000) 37.90 ng/ul m**

**response 137677**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 182.50 | 195.84 |
| 56.00 | 134.80 | 143.14 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
**ClientSampleId :**
SSTD040016

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :mohammad ahmed 02/05/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.510 | 152 | 202297 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.275 | 136 | 726171 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.151 | 164 | 450352 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.904 | 188 | 879523 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.139 | 240 | 867479 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.915 | 264 | 876779 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.117 | 96 | 85823 | 17.062 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.505 | 84 | 637520 | 40.633 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.711 | 99 | 648776 | 38.299 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.863 | 67 | 445579 | 39.356 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.052 | 132 | 520834 | 40.055 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.228 | 113 | 473300 | 36.622 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.657 | 128 | 234225 | 41.949 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.369 | 143 | 262424 | 42.277 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.904 | 165 | 522932 | 41.376 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.416 | 131 | 632104 | 38.287 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.575 | 166 | 1353467 | 40.342 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.839 | 160 | 1621860 | 42.139 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.387 | 143 | 224463 | 40.936 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.157 | 176 | 1190208 | 40.865 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.286 | 200 | 228420 | 40.684 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.004 | 188 | 1830098 | 41.800 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.310 | 212 | 2100330 | 40.053 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.727 | 264 | 1981176 | 42.013 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.152 | 88 | 91201 | 16.463 | ng/uL | 95 |
| 5) Pyridine | 3.523 | 79 | 652327 | 40.752 | ng/ul | 98 |
| 6) Benzaldehyde | 6.669 | 77 | 383752 | 41.622 | ng/ul | 99 |
| 8) Phenol | 6.734 | 94 | 678805 | 38.381 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 6.958 | 93 | 550721 | 38.314 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.087 | 128 | 529505 | 39.254 | ng/ul | 99 |
| 13) 2-Methylphenol | 7.963 | 108 | 473684 | 37.182 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034 | 45 | 856665 | 39.599 | ng/ul | 100 |
| 16) Acetophenone | 8.328 | 105 | 801676 | 37.919 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.322 | 70 | 427330 | 37.764 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.293 | 108 | 509209 | 36.572 | ng/ul | 96 |
| 19) Hexachloroethane | 8.569 | 117 | 237173 | 40.809 | ng/ul | 97 |
| 22) Nitrobenzene | 8.699 | 77 | 609292 | 41.890 | ng/ul | 99 |
| 23) Isophorone | 9.222 | 82 | 1091416 | 39.434 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.404 | 139 | 285135 | 41.746 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.475 | 107 | 500675 | 39.262 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.710 | 93 | 676862 | 39.472 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 9.934 | 162 | 516643 | 40.783 | ng/ul | 97 |
| 30) Naphthalene | 10.322 | 128 | 1571932 | 40.560 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.440 | 127 | 607130 | 38.561 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 10.610 | 225 | 376623 | 41.239 | ng/ul | 100 |
| 34) Caprolactam | 11.216 | 113 | 137677m | 37.896 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.581 | 107 | 455064 | 39.474 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.945 | 142 | 1081360 | 39.489 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.169 | 142 | 1066400 | 39.234 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.322 | 216 | 678278 | 42.333 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.304 | 237 | 393544 | 40.819 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.575 | 196 | 410986 | 42.222 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.645 | 196 | 437435 | 42.243 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 12.981 | 154 | 1400057 | 41.964 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.016 | 162 | 1132991 | 42.135 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.234 | 65 | 306534 | 43.876 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.622 | 163 | 1323728 | 39.895 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.740 | 165 | 260270 | 42.530 | ng/ul | 98 |
| 50) Acenaphthylene | 13.869 | 152 | 1657322 | 41.904 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.069 | 138 | 245097 | 40.881 | ng/ul | 99 |
| 52) Acenaphthene | 14.216 | 153 | 1167410 | 41.393 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.281 | 184 | 147992 | 38.905 | ng/ul | 95 |
| 55) 4-Nitrophenol | 14.398 | 109 | 164920 | 40.753 | ng/ul | 98 |
| 56) Dibenzofuran | 14.557 | 168 | 1661520 | 41.319 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.534 | 165 | 383057 | 42.284 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.792 | 232 | 352763 | 40.790 | ng/ul | 97 |
| 59) Diethylphthalate | 15.004 | 149 | 1290032 | 40.212 | ng/ul | 99 |
| 61) Fluorene | 15.210 | 166 | 1371878 | 42.146 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.210 | 204 | 726744 | 40.762 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.239 | 138 | 233271 | 43.375 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.298 | 198 | 251223 | 40.975 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.428 | 169 | 1107348 | 42.051 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.110 | 248 | 420153 | 41.431 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.216 | 284 | 475089 | 40.458 | ng/ul | 98 |
| 70) Atrazine | 16.392 | 200 | 419775 | 39.349 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.563 | 266 | 293744 | 38.463 | ng/ul | 99 |
| 72) Phenanthrene | 16.951 | 178 | 2047688 | 41.504 | ng/ul | 99 |
| 74) Anthracene | 17.039 | 178 | 2083801 | 42.126 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 12.940 | 216 | 654075 | 43.099 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.475 | 250 | 621479 | 41.521 | ng/uL | 98 |
| 77) Carbazole | 17.316 | 167 | 1825611 | 41.646 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.898 | 149 | 2176572 | 41.155 | ng/ul | 100 |
| 80) Fluoranthene | 18.974 | 202 | 2374595 | 39.457 | ng/ul | 99 |
| 82) Pyrene | 19.339 | 202 | 2561484 | 39.891 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.268 | 149 | 910380 | 40.512 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.057 | 252 | 672543 | 41.003 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.121 | 228 | 2502866 | 41.090 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.074 | 149 | 1349759 | 40.374 | ng/ul | 100 |
| 87) Chrysene | 21.180 | 228 | 2305077 | 41.233 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.133 | 149 | 2147570 | 35.119 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.045 | 252 | 2350060 | 40.107 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.104 | 252 | 2391218 | 41.302 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.792 | 252 | 2245150 | 42.130 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 27.003 | 276 | 2816296 | 44.698 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 27.050 | 278 | 2289654 | 44.713 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.962 | 276 | 2114028 | 44.712 | ng/ul | 99 |

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

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