Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012422\
Data File : BF126645.D
Acq On : 24 Jan 2022 18:04
Operator : CG/JU
Sample : N1235-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-2MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

Quant Time: Jan 25 03:13:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 19 07:04:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.963 | 152 | 107716 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 416300 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.010 | 164 | 229219 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.498 | 188 | 394362 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.151 | 240 | 245781 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.674 | 264 | 217290 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 934533 | 114.166 | ng | | 0.00 |
| 7) Phenol-d6 | 6.581 | 99 | 1300023 | 114.307 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 962548 | 90.500 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.798 | 330 | 274974 | 128.185 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1173403 | 78.399 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.086 | 244 | 1206541 | 82.337 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.875 | 88 | 165773 | 41.090 | ng | | 89 |
| 3) Pyridine | 3.628 | 79 | 429807 | 38.032 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 181075 | 45.283 | ng | | 85 |
| 6) Aniline | 6.628 | 93 | 454186m | 31.869 | ng | | |
| 8) 2-Chlorophenol | 6.745 | 128 | 347830 | 46.328 | ng | | 92 |
| 9) Benzaldehyde | 6.516 | 77 | 373985 | 54.883 | ng | | 83 |
| 10) Phenol | 6.593 | 94 | 569613 | 47.090 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 448836 | 45.725 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.904 | 146 | 374932 | 44.983 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.981 | 146 | 378296 | 44.945 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.134 | 146 | 360780 | 45.467 | ng | | 96 |
| 15) Benzyl Alcohol | 7.098 | 79 | 445830 | 43.969 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234 | 45 | 486248 | 43.419 | ng | | 82 |
| 17) 2-Methylphenol | 7.204 | 107 | 335910 | 45.507 | ng | # | 90 |
| 18) Hexachloroethane | 7.475 | 117 | 155800 | 45.843 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 365599 | 44.045 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.357 | 107 | 422981 | 44.193 | ng | # | 84 |
| 22) Acetophenone | 7.369 | 105 | 574057 | 44.746 | ng | # | 92 |
| 24) Nitrobenzene | 7.545 | 77 | 549177 | 50.017 | ng | # | 84 |
| 25) Isophorone | 7.781 | 82 | 959330 | 46.510 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.863 | 139 | 161339 | 56.330 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 7.887 | 122 | 335282 | 49.328 | ng | # | 83 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 559740 | 43.511 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 294619 | 45.695 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.187 | 180 | 307080 | 44.412 | ng | | 99 |
| 31) Naphthalene | 8.269 | 128 | 1014653 | 45.117 | ng | | 99 |
| 32) Benzoic acid | 7.981 | 122 | 126175 | 32.724 | ng | # | 59 |
| 33) 4-Chloroaniline | 8.310 | 127 | 137214 | 15.271 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.381 | 225 | 198046 | 45.029 | ng | | 97 |
| 35) Caprolactam | 8.681 | 113 | 106101m | 46.081 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 387877 | 46.003 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 640700 | 45.809 | ng | | 96 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 605411 | 44.659 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 292919 | 45.561 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.110 | 237 | 350613 | 89.570 | ng | | 92 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 209853 | 45.787 | ng | | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.275 | 196 | 212213 | 44.707 | ng | | 95 |
| 46) | 1,1'-Biphenyl | 9.428 | 154 | 791069 | 45.809 | ng | | 97 |
| 47) | 2-Chloronaphthalene | 9.451 | 162 | 615480 | 45.365 | ng | | 96 |
| 48) | 2-Nitroaniline | 9.545 | 65 | 272412 | 58.152 | ng | # | 87 |
| 49) | Acenaphthylene | 9.869 | 152 | 999793 | 46.977 | ng | | 99 |
| 50) | Dimethylphthalate | 9.728 | 163 | 730214 | 44.915 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 9.786 | 165 | 155637 | 55.401 | ng | # | 66 |
| 52) | Acenaphthene | 10.045 | 154 | 590158 | 45.358 | ng | | 97 |
| 53) | 3-Nitroaniline | 9.957 | 138 | 89431 | 27.843 | ng | # | 80 |
| 54) | 2,4-Dinitrophenol | 10.057 | 184 | 40326 | 39.154 | ng | # | 84 |
| 55) | Dibenzofuran | 10.216 | 168 | 866061 | 44.293 | ng | | 95 |
| 56) | 4-Nitrophenol | 10.110 | 139 | 246983 | 96.566 | ng | # | 58 |
| 57) | 2,4-Dinitrotoluene | 10.192 | 165 | 209515 | 61.546 | ng | | 85 |
| 58) | Fluorene | 10.557 | 166 | 670643 | 45.428 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.328 | 232 | 174500 | 44.965 | ng | | 89 |
| 60) | Diethylphthalate | 10.428 | 149 | 733599 | 45.394 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 10.551 | 204 | 322764 | 43.777 | ng | | 90 |
| 62) | 4-Nitroaniline | 10.575 | 138 | 154388 | 49.527 | ng | # | 60 |
| 63) | Azobenzene | 10.710 | 77 | 1058964 | 44.278 | ng | | 91 |
| 65) | 4,6-Dinitro-2-methylph... | 10.598 | 198 | 46020 | 28.046 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 10.669 | 169 | 579883 | 43.561 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 11.039 | 248 | 198324 | 43.635 | ng | | 93 |
| 68) | Hexachlorobenzene | 11.104 | 284 | 221775 | 45.734 | ng | # | 91 |
| 69) | Atrazine | 11.192 | 200 | 199285 | 46.875 | ng | | 95 |
| 70) | Pentachlorophenol | 11.298 | 266 | 214993 | 76.244 | ng | | 97 |
| 71) | Phenanthrene | 11.527 | 178 | 1003437 | 44.537 | ng | | 99 |
| 72) | Anthracene | 11.580 | 178 | 1022514 | 45.233 | ng | | 99 |
| 73) | Carbazole | 11.727 | 167 | 881384 | 41.529 | ng | | 98 |
| 74) | Di-n-butylphthalate | 12.057 | 149 | 1109995 | 43.372 | ng | # | 98 |
| 75) | Fluoranthene | 12.716 | 202 | 961187 | 43.192 | ng | | 98 |
| 77) | Benzidine | 12.833 | 184 | 351329 | 41.436 | ng | | 97 |
| 78) | Pyrene | 12.945 | 202 | 959922 | 48.296 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.563 | 149 | 415118 | 48.073 | ng | # | 92 |
| 81) | Benzo(a)anthracene | 14.139 | 228 | 760140 | 45.502 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 14.098 | 252 | 122039 | 22.238 | ng | # | 94 |
| 83) | Chrysene | 14.174 | 228 | 713638 | 44.396 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.116 | 149 | 543054 | 46.437 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 14.745 | 149 | 821112 | 45.860 | ng | | 96 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.239 | 276 | 716284 | 53.353 | ng | # | 88 |
| 88) | Benzo(b)fluoranthene | 15.221 | 252 | 654087 | 45.393 | ng | # | 94 |
| 89) | Benzo(k)fluoranthene | 15.251 | 252 | 648374 | 45.828 | ng | # | 94 |
| 90) | Benzo(a)pyrene | 15.610 | 252 | 643228 | 54.864 | ng | # | 93 |
| 91) | Dibenzo(a,h)anthracene | 17.262 | 278 | 618514 | 55.612 | ng | # | 92 |
| 92) | Benzo(g,h,i)perylene | 17.715 | 276 | 619972 | 56.848 | ng | # | 88 |

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

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