Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
Data File : BF126278.D
Acq On : 20 Dec 2021 15:04
Operator : JU/CG
Sample : M5146-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NB-8-121721MS

Quant Time: Dec 21 05:09:28 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.816 | 152 | 153602 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 585698 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 228964 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 331540 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 268713 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 296192 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 571127 | 54.756 | ng | | 0.01 |
| 7) Phenol-d6 | 6.445 | 99 | 682944 | 51.567 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 416626 | 38.525 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 94083 | 51.130 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 568247 | 43.528 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.921 | 244 | 462707 | 29.929 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 268359 | 52.708 | ng | # | 100 |
| 3) Pyridine | 3.363 | 79 | 577888 | 42.740 | ng | # | 78 |
| 4) n-Nitrosodimethylamine | 3.316 | 42 | 280879 | 54.052 | ng | # | 1 |
| 6) Aniline | 6.475 | 93 | 635200 | 37.759 | ng | | 96 |
| 8) 2-Chlorophenol | 6.598 | 128 | 540197 | 51.072 | ng | | 88 |
| 9) Benzaldehyde | 6.363 | 77 | 415390 | 51.977 | ng | | 95 |
| 10) Phenol | 6.457 | 94 | 750903 | 50.510 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.551 | 93 | 591580 | 51.266 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 539703 | 50.583 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.834 | 146 | 534409 | 49.599 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 507452 | 50.937 | ng | | 95 |
| 15) Benzyl Alcohol | 6.957 | 79 | 455360 | 47.098 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 932936 | 49.404 | ng | | 93 |
| 17) 2-Methylphenol | 7.075 | 107 | 432007 | 46.623 | ng | | 97 |
| 18) Hexachloroethane | 7.334 | 117 | 208113 | 49.104 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.234 | 70 | 354806 | 43.640 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.222 | 107 | 475090 | 43.370 | ng | # | 80 |
| 22) Acetophenone | 7.228 | 105 | 685841 | 50.880 | ng | | 97 |
| 24) Nitrobenzene | 7.398 | 77 | 567621 | 52.578 | ng | | 91 |
| 25) Isophorone | 7.639 | 82 | 1008991 | 49.407 | ng | # | 87 |
| 26) 2-Nitrophenol | 7.716 | 139 | 258145 | 53.043 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 444307 | 53.759 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 653048 | 48.638 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 7.957 | 162 | 349755 | 47.608 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 380214 | 50.034 | ng | | 97 |
| 31) Naphthalene | 8.122 | 128 | 1370803 | 50.047 | ng | | 98 |
| 32) Benzoic acid | 7.869 | 122 | 288232 | 40.481 | ng | | 91 |
| 33) 4-Chloroaniline | 8.169 | 127 | 240623 | 21.040 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 184786 | 49.512 | ng | | 98 |
| 35) Caprolactam | 8.539 | 113 | 119733 | 65.578 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.651 | 107 | 392463 | 45.288 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 813913 | 48.252 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 752144 | 45.947 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 8.980 | 216 | 274039 | 55.454 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 8.969 | 237 | 229178 | 80.987 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 194567 | 50.051 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.128 | 196 | 196881 | 48.907 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 921694 | 54.442 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 664029 | 52.131 | ng | | 99 |
| 48) 2-Nitroaniline | 9.392 | 65 | 240924 | 51.820 | ng | | 89 |
| 49) Acenaphthylene | 9.716 | 152 | 1009837 | 51.883 | ng | | 98 |
| 50) Dimethylphthalate | 9.580 | 163 | 739426 | 50.982 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.639 | 165 | 159578 | 50.833 | ng | | 96 |
| 52) Acenaphthene | 9.892 | 154 | 644486 | 51.059 | ng | | 99 |
| 53) 3-Nitroaniline | 9.804 | 138 | 137416 | 34.440 | ng | # | 81 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 70947 | 54.887 | ng | # | 76 |
| 55) Dibenzofuran | 10.063 | 168 | 841154 | 48.947 | ng | | 95 |
| 56) 4-Nitrophenol | 9.963 | 139 | 283860 | 98.489 | ng | | 78 |
| 57) 2,4-Dinitrotoluene | 10.039 | 165 | 199325 | 49.775 | ng | # | 95 |
| 58) Fluorene | 10.404 | 166 | 580853 | 46.688 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232 | 139033 | 46.580 | ng | # | 99 |
| 60) Diethylphthalate | 10.280 | 149 | 696337 | 47.775 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 260156 | 46.443 | ng | | 90 |
| 62) 4-Nitroaniline | 10.410 | 138 | 143339 | 42.824 | ng | # | 74 |
| 63) Azobenzene | 10.557 | 77 | 825375 | 46.752 | ng | | 83 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 46932 | 25.923 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 536212 | 50.395 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248 | 153867 | 49.450 | ng | | 94 |
| 68) Hexachlorobenzene | 10.951 | 284 | 177948 | 49.725 | ng | | 90 |
| 69) Atrazine | 11.039 | 200 | 155318 | 79.654 | ng | | 97 |
| 70) Pentachlorophenol | 11.145 | 266 | 190000 | 95.701 | ng | | 92 |
| 71) Phenanthrene | 11.363 | 178 | 861393 | 50.339 | ng | | 98 |
| 72) Anthracene | 11.416 | 178 | 883900 | 51.463 | ng | | 99 |
| 73) Carbazole | 11.569 | 167 | 808216 | 49.968 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.904 | 149 | 1032041 | 50.332 | ng | | 100 |
| 75) Fluoranthene | 12.551 | 202 | 852944 | 55.324 | ng | | 91 |
| 77) Benzidine | 12.674 | 184 | 764496 | 180.459 | ng | | 98 |
| 78) Pyrene | 12.780 | 202 | 900869 | 36.491 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 457403 | 39.373 | ng | | 88 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 720641 | 45.275 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 329155 | 45.265 | ng | # | 97 |
| 83) Chrysene | 14.004 | 228 | 781418 | 47.250 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 558984 | 43.059 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 1241395 | 53.642 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.856 | 276 | 848271 | 42.937 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 954614 | 53.640 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 827083 | 48.581 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.362 | 252 | 868922 | 58.745 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 717082 | 44.650 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 17.292 | 276 | 689660 | 41.505 | ng | | 92 |

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

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