Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126306.D
Acq On : 21 Dec 2021 20:15
Operator : JU/CG
Sample : M5142-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
A2MS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

Quant Time: Dec 22 05:22:16 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 | 187378 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 825391 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 391485 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 600474 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 346281 | 20.000 | ng | | # 0.01 |
| 86) Perylene-d12 | 15.427 | 264 | 291284 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.457 | 112 | 1599530 | 125.711 | ng | | 0.04 |
| 7) Phenol-d6 | 6.457 | 99 | 1976427 | 122.333 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.387 | 82 | 1567370 | 102.845 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 476712 | 151.522 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.181 | 172 | 2051172 | 91.894 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.933 | 244 | 1781227 | 89.407 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.799 | 88 | 274135 | 44.137 | ng | # | 100 |
| 3) Pyridine | 3.475 | 79 | 457120 | 27.714 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 3.422 | 42 | 338895 | 53.460 | ng | # | 1 |
| 6) Aniline | 6.487 | 93 | 309745 | 15.094 | ng | # | 96 |
| 8) 2-Chlorophenol | 6.604 | 128 | 727575 | 56.388 | ng | | 88 |
| 9) Benzaldehyde | 6.369 | 77 | 217735 | 22.334 | ng | | 93 |
| 10) Phenol | 6.469 | 94 | 788605 | 43.484 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 840942 | 59.739 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 654463 | 50.282 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.840 | 146 | 652242 | 49.623 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 633395 | 52.119 | ng | | 94 |
| 15) Benzyl Alcohol | 6.969 | 79 | 593124 | 50.289 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 1253502 | 54.414 | ng | | 89 |
| 17) 2-Methylphenol | 7.081 | 107 | 642016 | 56.798 | ng | | 93 |
| 18) Hexachloroethane | 7.334 | 117 | 273913 | 52.980 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 530591 | 53.497 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 644170 | 48.205 | ng | # | 71 |
| 22) Acetophenone | 7.234 | 105 | 978826 | 51.528 | ng | # | 94 |
| 24) Nitrobenzene | 7.404 | 77 | 815465 | 53.600 | ng | | 90 |
| 25) Isophorone | 7.645 | 82 | 1519656 | 52.804 | ng | # | 87 |
| 26) 2-Nitrophenol | 7.716 | 139 | 396299 | 57.783 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 676295 | 58.065 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 1000466 | 52.874 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 565415 | 54.613 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 543105 | 50.715 | ng | | 98 |
| 31) Naphthalene | 8.128 | 128 | 1999201 | 51.793 | ng | | 99 |
| 32) Benzoic acid | 7.904 | 122 | 526258 | 52.447 | ng | | 94 |
| 33) 4-Chloroaniline | 8.181 | 127 | 113360 | 7.034 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 262904 | 49.987 | ng | | 99 |
| 35) Caprolactam | 8.563 | 113 | 163402m | 63.507 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 681462 | 55.800 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1308458 | 55.044 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1203775 | 52.181 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 424366 | 50.225 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 512756 | 105.975 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 333935 | 50.241 | ng | | 91 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.145 | 196 | 359590 | 52.243 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.281 | 154 | 1497201 | 51.723 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 1087572 | 49.937 | ng | | 96 |
| 48) 2-Nitroaniline | 9.404 | 65 | 447865 | 56.340 | ng | | 91 |
| 49) Acenaphthylene | 9.722 | 152 | 1698848 | 51.048 | ng | | 96 |
| 50) Dimethylphthalate | 9.592 | 163 | 1334323 | 53.806 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 301536 | 56.178 | ng | # | 79 |
| 52) Acenaphthene | 9.892 | 154 | 1253656m | 58.089 | ng | | |
| 53) 3-Nitroaniline | 9.810 | 138 | 136158 | 19.958 | ng | # | 78 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 327787 | 148.314 | ng | # | 81 |
| 55) Dibenzofuran | 10.069 | 168 | 1448220 | 49.287 | ng | | 100 |
| 56) 4-Nitrophenol | 9.980 | 139 | 485284 | 98.476 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 384765 | 56.195 | ng | # | 89 |
| 58) Fluorene | 10.410 | 166 | 1046469 | 49.195 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232 | 272049 | 53.306 | ng | # | 98 |
| 60) Diethylphthalate | 10.286 | 149 | 1273124 | 51.086 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 453868 | 47.388 | ng | | 98 |
| 62) 4-Nitroaniline | 10.433 | 138 | 294911 | 51.531 | ng | # | 73 |
| 63) Azobenzene | 10.563 | 77 | 1487908 | 49.292 | ng | | 86 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 198142 | 60.428 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.522 | 169 | 962933 | 49.967 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 298754 | 53.012 | ng | | 95 |
| 68) Hexachlorobenzene | 10.957 | 284 | 355818 | 54.897 | ng | # | 87 |
| 69) Atrazine | 11.051 | 200 | 235540 | 66.695 | ng | | 94 |
| 70) Pentachlorophenol | 11.151 | 266 | 385899 | 107.319 | ng | | 92 |
| 71) Phenanthrene | 11.369 | 178 | 1598693 | 51.583 | ng | | 96 |
| 72) Anthracene | 11.422 | 178 | 1626341 | 52.282 | ng | | 97 |
| 73) Carbazole | 11.575 | 167 | 1452508 | 49.582 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1882245 | 50.683 | ng | | 99 |
| 75) Fluoranthene | 12.557 | 202 | 1489055 | 53.327 | ng | | 92 |
| 77) Benzidine | 12.674 | 184 | 22855 | 4.186 | ng | # | 95 |
| 78) Pyrene | 12.786 | 202 | 1525758 | 47.959 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 773021 | 51.635 | ng | # | 78 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 979263 | 47.741 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.933 | 252 | 118358 | 12.630 | ng | | 97 |
| 83) Chrysene | 14.010 | 228 | 1092178 | 51.248 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 864445 | 51.672 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 1667756 | 55.923 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.862 | 276 | 995138 | 51.219 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 15.010 | 252 | 1018909 | 58.217 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 998324 | 59.627 | ng | # | 96 |
| 90) Benzo(a)pyrene | 15.368 | 252 | 955119 | 65.661 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.886 | 278 | 852382 | 53.969 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 17.298 | 276 | 832324 | 50.934 | ng | | 94 |

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

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