Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
Data File : BF133564.D
Acq On : 05 Jun 2023 12:53
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 17:50:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 17:49:53 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.834 | 152 | 133955 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.116 | 136 | 489545 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.874 | 164 | 244121 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 471183 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.004 | 240 | 247744 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.456 | 264 | 307678 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 638588 | 79.539 | ng | | 0.00 |
| 7) Phenol-d6 | 6.457 | 99 | 762766 | 77.177 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.398 | 82 | 707592 | 96.508 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 228767 | 94.010 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.192 | 172 | 1298909 | 82.123 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.945 | 244 | 1256072 | 90.145 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.534 | 88 | 142845 | 39.395 | ng | | 100 |
| 3) Pyridine | 3.275 | 79 | 396157 | 38.966 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.228 | 42 | 204742 | 36.926 | ng | | 95 |
| 6) Aniline | 6.498 | 93 | 511102 | 38.087 | ng | | 98 |
| 8) 2-Chlorophenol | 6.616 | 128 | 321810 | 40.679 | ng | | 95 |
| 9) Benzaldehyde | 6.381 | 77 | 183711 | 36.748 | ng | | 99 |
| 10) Phenol | 6.469 | 94 | 392631 | 39.601 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.569 | 93 | 314226 | 38.332 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 346874 | 39.495 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 348267 | 39.553 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 322315 | 39.668 | ng | | 99 |
| 15) Benzyl Alcohol | 6.975 | 79 | 294532 | 39.253 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110 | 45 | 567400 | 36.495 | ng | | 98 |
| 17) 2-Methylphenol | 7.081 | 107 | 289414 | 38.632 | ng | | 99 |
| 18) Hexachloroethane | 7.345 | 117 | 125055 | 41.073 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.251 | 70 | 238082 | 37.231 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.234 | 107 | 355273 | 41.946 | ng | # | 88 |
| 22) Acetophenone | 7.245 | 105 | 432965 | 38.405 | ng | # | 91 |
| 24) Nitrobenzene | 7.416 | 77 | 363003 | 46.466 | ng | | 100 |
| 25) Isophorone | 7.657 | 82 | 659333 | 38.585 | ng | | 98 |
| 26) 2-Nitrophenol | 7.733 | 139 | 164432 | 46.137 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.769 | 122 | 286605 | 39.420 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 385668 | 38.923 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.969 | 162 | 271708 | 41.538 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 281373 | 39.768 | ng | | 98 |
| 31) Naphthalene | 8.139 | 128 | 944452 | 39.794 | ng | | 99 |
| 32) Benzoic acid | 7.863 | 122 | 175694m | 38.418 | ng | | |
| 33) 4-Chloroaniline | 8.186 | 127 | 407959 | 40.105 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.257 | 225 | 176311 | 40.966 | ng | | 99 |
| 35) Caprolactam | 8.557 | 113 | 94664 | 44.127 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.663 | 107 | 302442 | 41.276 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.828 | 142 | 650290 | 40.130 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 613538 | 40.617 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 8.992 | 216 | 290496 | 40.149 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.980 | 237 | 133691 | 36.056 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 195711 | 42.272 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.139 | 196 | 227380 | 42.312 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.292 | 154 | 780324 | 39.343 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 569411 | 39.613 | ng | | 98 |
| 48) 2-Nitroaniline | 9.410 | 65 | 201137 | 43.950 | ng | | 96 |
| 49) Acenaphthylene | 9.733 | 152 | 973775 | 39.697 | ng | | 99 |
| 50) Dimethylphthalate | 9.598 | 163 | 703554 | 41.005 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 153573 | 47.147 | ng | | 88 |
| 52) Acenaphthene | 9.904 | 154 | 592444 | 39.871 | ng | | 98 |
| 53) 3-Nitroaniline | 9.827 | 138 | 181887 | 44.708 | ng | # | 89 |
| 54) 2,4-Dinitrophenol | 9.922 | 184 | 49843 | 40.064 | ng | | 89 |
| 55) Dibenzofuran | 10.080 | 168 | 877303 | 39.685 | ng | | 99 |
| 56) 4-Nitrophenol | 9.975 | 139 | 134200 | 45.716 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.057 | 165 | 194630 | 48.063 | ng | | 89 |
| 58) Fluorene | 10.422 | 166 | 639757 | 39.499 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232 | 179855 | 44.439 | ng | | 98 |
| 60) Diethylphthalate | 10.298 | 149 | 730500 | 41.013 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 315645 | 40.587 | ng | | 97 |
| 62) 4-Nitroaniline | 10.439 | 138 | 173742 | 42.522 | ng | | 96 |
| 63) Azobenzene | 10.574 | 77 | 696641 | 39.073 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198 | 80180 | 42.772 | ng | | 81 |
| 66) n-Nitrosodiphenylamine | 10.533 | 169 | 612033 | 40.010 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248 | 207246 | 41.416 | ng | | 94 |
| 68) Hexachlorobenzene | 10.963 | 284 | 212157 | 40.544 | ng | | 96 |
| 69) Atrazine | 11.057 | 200 | 175464 | 41.805 | ng | | 98 |
| 70) Pentachlorophenol | 11.157 | 266 | 133626 | 42.707 | ng | | 98 |
| 71) Phenanthrene | 11.386 | 178 | 928466 | 38.905 | ng | | 99 |
| 72) Anthracene | 11.433 | 178 | 955600 | 38.906 | ng | | 100 |
| 73) Carbazole | 11.592 | 167 | 895746 | 38.563 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1127207 | 41.039 | ng | | 100 |
| 75) Fluoranthene | 12.574 | 202 | 920135 | 34.905 | ng | | 97 |
| 77) Benzidine | 12.692 | 184 | 207440m | 28.629 | ng | | |
| 78) Pyrene | 12.804 | 202 | 911953 | 43.258 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.427 | 149 | 382663 | 45.876 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.992 | 228 | 661983 | 40.111 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 219885 | 42.620 | ng | # | 97 |
| 83) Chrysene | 14.027 | 228 | 676067 | 40.578 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 473787 | 45.441 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.604 | 149 | 778332 | 44.813 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.909 | 276 | 738743 | 37.694 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 752844 | 37.576 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.062 | 252 | 681128 | 34.866 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 709524 | 38.919 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 629306 | 39.604 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.345 | 276 | 560172 | 34.962 | ng | | 99 |

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

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