Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
Data File : BF139685.D
Acq On : 07 Oct 2024 14:35
Operator : RC/JU
Sample : PB163902BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 07 14:59:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB163902BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :mohammad ahmed 10/09/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 100095 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 391689 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 230281 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 448928 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 273215 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 208036 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.499 | 112 | 553335 | 95.816 | ng | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 734302 | 94.552 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 684647 | 88.498 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 207138 | 93.180 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 1256347 | 83.755 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 1509747 | 90.670 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 105750 | 42.355 | ng | 99 |
| 3) Pyridine | 3.481 | 79 | 277261 | 45.660 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.452 | 42 | 189741 | 47.737 | ng | 96 |
| 6) Aniline | 6.534 | 93 | 356632 | 51.750 | ng | 99 |
| 8) 2-Chlorophenol | 6.657 | 128 | 316635 | 51.175 | ng | 98 |
| 9) Benzaldehyde | 6.416 | 77 | 100188 | 24.353 | ng | 99 |
| 10) Phenol | 6.522 | 94 | 416124 | 50.957 | ng | 89 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 313128 | 47.094 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 321310 | 46.163 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 322832 | 45.795 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.040 | 146 | 308525 | 46.697 | ng | 100 |
| 15) Benzyl Alcohol | 7.016 | 79 | 297384 | 50.117 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140 | 45 | 550758 | 47.848 | ng | 79 |
| 17) 2-Methylphenol | 7.128 | 107 | 259212 | 50.183 | ng | 99 |
| 18) Hexachloroethane | 7.381 | 117 | 122094 | 46.433 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 239296 | 47.927 | ng | 98 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 321888 | 49.614 | ng | 95 |
| 22) Acetophenone | 7.281 | 105 | 431574 | 46.418 | ng | 98 |
| 24) Nitrobenzene | 7.457 | 77 | 366843 | 45.793 | ng | 99 |
| 25) Isophorone | 7.693 | 82 | 653687 | 47.574 | ng | 100 |
| 26) 2-Nitrophenol | 7.769 | 139 | 171334 | 49.751 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 248881m | 59.033 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 384475 | 46.859 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 269825 | 49.067 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 272456 | 43.811 | ng | 100 |
| 31) Naphthalene | 8.175 | 128 | 925954 | 46.236 | ng | 100 |
| 32) Benzoic acid | 7.945 | 122 | 204268 | 48.726 | ng | 99 |
| 33) 4-Chloroaniline | 8.222 | 127 | 117413 | 17.320 | ng | 99 |
| 34) Hexachlorobutadiene | 8.287 | 225 | 175591 | 43.630 | ng | 99 |
| 35) Caprolactam | 8.604 | 113 | 92938m | 51.528 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 308180 | 49.507 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 610438 | 46.802 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 569133 | 44.640 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 283973 | 44.408 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.016 | 237 | 329647 | 168.123 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 203240 | 47.147 | ng | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 216870 | 46.651 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 774495 | 45.219 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 575827 | 44.846 | ng | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 226385 | 49.116 | ng | 98 |
| 49) Acenaphthylene | 9.769 | 152 | 951796 | 48.743 | ng | 99 |
| 50) Dimethylphthalate | 9.634 | 163 | 727668 | 48.272 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 160416 | 47.108 | ng | 93 |
| 52) Acenaphthene | 9.939 | 154 | 697764m | 52.052 | ng | |
| 53) 3-Nitroaniline | 9.863 | 138 | 117596 | 33.793 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 199141 | 108.728 | ng | 98 |
| 55) Dibenzofuran | 10.116 | 168 | 878524 | 46.807 | ng | 100 |
| 56) 4-Nitrophenol | 10.034 | 139 | 262912 | 99.074 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 213859 | 48.047 | ng | 95 |
| 58) Fluorene | 10.457 | 166 | 703720 | 47.074 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.234 | 232 | 190728 | 50.796 | ng | 99 |
| 60) Diethylphthalate | 10.328 | 149 | 741788 | 47.642 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 341535 | 45.666 | ng | 98 |
| 62) 4-Nitroaniline | 10.486 | 138 | 177621 | 49.901 | ng | 98 |
| 63) Azobenzene | 10.610 | 77 | 756440 | 48.309 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 131001 | 51.668 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 628509 | 47.496 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 206931 | 44.957 | ng | 99 |
| 68) Hexachlorobenzene | 11.004 | 284 | 230531 | 45.135 | ng | 99 |
| 69) Atrazine | 11.098 | 200 | 204756 | 57.671 | ng | 98 |
| 70) Pentachlorophenol | 11.204 | 266 | 271923 | 89.410 | ng | 99 |
| 71) Phenanthrene | 11.422 | 178 | 1011818 | 47.801 | ng | 100 |
| 72) Anthracene | 11.475 | 178 | 1044748 | 49.890 | ng | 100 |
| 73) Carbazole | 11.628 | 167 | 971439 | 48.300 | ng | 100 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 1191401 | 48.713 | ng | 99 |
| 75) Fluoranthene | 12.610 | 202 | 1121318 | 48.460 | ng | 100 |
| 77) Benzidine | 12.727 | 184 | 391839 | 81.308 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 1145049 | 46.859 | ng | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 460085 | 52.638 | ng | 99 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 891569 | 49.634 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 193599 | 35.216 | ng | 100 |
| 83) Chrysene | 14.063 | 228 | 781572 | 47.591 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 603106 | 55.258 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 859040 | 53.575 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 619756 | 50.615 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 672649 | 50.006 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 559417 | 49.027 | ng | 99 |
| 90) Benzo(a)pyrene | 15.445 | 252 | 558749 | 52.681 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.004 | 278 | 507642 | 49.986 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.433 | 276 | 472795 | 46.420 | ng | 100 |

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

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