Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052822\
Data File : BF128546.D
Acq On : 28 May 2022 14:04
Operator : CG\JU
Sample : N2931-07MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 28 22:42:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 27 01:51:59 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
P009-SS003-2430-01MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.839 | 152 | 197751 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.122 | 136 | 759912 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 418932 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 753946 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.010 | 240 | 431862 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.474 | 264 | 387091 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.463 | 112 | 1076536 | 90.173 | ng | | 0.01 |
| 7) Phenol-d6 | 6.469 | 99 | 1434438 | 94.234 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.404 | 82 | 996815 | 75.672 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.674 | 330 | 355967 | 89.270 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1787765 | 69.331 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.957 | 244 | 1788734 | 80.020 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.710 | 88 | 222828 | 41.858 | ng | | 99 |
| 3) Pyridine | 3.446 | 79 | 570050 | 41.361 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.404 | 42 | 353938 | 49.007 | ng | # | 94 |
| 6) Aniline | 6.504 | 93 | 730073 | 41.101 | ng | | 99 |
| 8) 2-Chlorophenol | 6.622 | 128 | 622756 | 50.307 | ng | | 96 |
| 9) Benzaldehyde | 6.392 | 77 | 399807 | 74.819 | ng | | 97 |
| 10) Phenol | 6.481 | 94 | 733817m | 48.649 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.581 | 93 | 577677 | 46.784 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.781 | 146 | 653957 | 46.496 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.857 | 146 | 656868 | 46.174 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.010 | 146 | 638489 | 48.764 | ng | | 99 |
| 15) Benzyl Alcohol | 6.981 | 79 | 568494 | 48.967 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 1011729 | 46.297 | ng | | 97 |
| 17) 2-Methylphenol | 7.092 | 107 | 507335 | 48.152 | ng | | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 246632 | 49.148 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.257 | 70 | 432043 | 46.291 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.245 | 107 | 580761 | 45.627 | ng | # | 89 |
| 22) Acetophenone | 7.251 | 105 | 801902 | 45.765 | ng | # | 91 |
| 24) Nitrobenzene | 7.422 | 77 | 673091 | 51.685 | ng | | 100 |
| 25) Isophorone | 7.663 | 82 | 1252946 | 51.561 | ng | | 98 |
| 26) 2-Nitrophenol | 7.739 | 139 | 321035 | 58.982 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.775 | 122 | 592359 | 54.753 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 731642 | 46.392 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.981 | 162 | 529255 | 47.270 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.063 | 180 | 562836 | 46.409 | ng | | 99 |
| 31) Naphthalene | 8.145 | 128 | 1734346 | 46.631 | ng | | 100 |
| 32) Benzoic acid | 7.898 | 122 | 430224 | 56.255 | ng | | 98 |
| 33) 4-Chloroaniline | 8.192 | 127 | 362718 | 24.493 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 358664 | 46.839 | ng | | 98 |
| 35) Caprolactam | 8.580 | 113 | 166039m | 48.092 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 565177 | 49.137 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.833 | 142 | 1111743 | 47.356 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.933 | 142 | 1072580 | 46.975 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 516284 | 44.879 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 714133 | 110.433 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.116 | 196 | 397764 | 46.887 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.151 | 196 | 407295 | 46.596 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 9.304 | 154 | 1379949 | 46.911 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.327 | 162 | 1069116 | 46.298 | ng | | 100 |
| 48) 2-Nitroaniline | 9.422 | 65 | 376514 | 58.635 | ng | | 98 |
| 49) Acenaphthylene | 9.745 | 152 | 1739324 | 49.030 | ng | | 100 |
| 50) Dimethylphthalate | 9.610 | 163 | 1303068 | 47.952 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.669 | 165 | 289354 | 58.100 | ng | | 93 |
| 52) Acenaphthene | 9.916 | 154 | 1141797m | 52.167 | ng | | |
| 53) 3-Nitroaniline | 9.833 | 138 | 195812 | 34.045 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 9.939 | 184 | 260982 | 101.327 | ng | | 97 |
| 55) Dibenzofuran | 10.092 | 168 | 1477036 | 45.484 | ng | | 97 |
| 56) 4-Nitrophenol | 9.998 | 139 | 481908 | 103.255 | ng | # | 81 |
| 57) 2,4-Dinitrotoluene | 10.074 | 165 | 381488 | 64.026 | ng | | 97 |
| 58) Fluorene | 10.433 | 166 | 1081822 | 46.275 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232 | 324703 | 45.838 | ng | | 98 |
| 60) Diethylphthalate | 10.310 | 149 | 1254984 | 47.542 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 543938 | 45.858 | ng | | 92 |
| 62) 4-Nitroaniline | 10.457 | 138 | 291725 | 52.976 | ng | | 98 |
| 63) Azobenzene | 10.586 | 77 | 1242798 | 46.245 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.480 | 198 | 170128 | 48.734 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.545 | 169 | 1045483 | 46.317 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248 | 363219 | 46.629 | ng | | 99 |
| 68) Hexachlorobenzene | 10.974 | 284 | 409241 | 47.574 | ng | | 100 |
| 69) Atrazine | 11.074 | 200 | 348219 | 49.706 | ng | | 97 |
| 70) Pentachlorophenol | 11.169 | 266 | 438434 | 83.638 | ng | | 99 |
| 71) Phenanthrene | 11.392 | 178 | 1630432 | 45.651 | ng | | 100 |
| 72) Anthracene | 11.445 | 178 | 1668665 | 46.774 | ng | | 100 |
| 73) Carbazole | 11.598 | 167 | 1493872 | 43.694 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.933 | 149 | 1860926 | 46.245 | ng | | 100 |
| 75) Fluoranthene | 12.580 | 202 | 1678492 | 43.958 | ng | | 99 |
| 77) Benzidine | 12.704 | 184 | 857767 | 86.111 | ng | | 99 |
| 78) Pyrene | 12.810 | 202 | 1668457 | 51.283 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.433 | 149 | 711567 | 51.852 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.998 | 228 | 1179216 | 45.940 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.962 | 252 | 377613 | 57.451 | ng | | 97 |
| 83) Chrysene | 14.039 | 228 | 1217801 | 46.326 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149 | 854932 | 51.509 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.609 | 149 | 1455301 | 49.811 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.933 | 276 | 1180244 | 51.695 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 1199789 | 49.825 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.080 | 252 | 1045312 | 46.853 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.409 | 252 | 1066645 | 55.211 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.956 | 278 | 1038513 | 54.861 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.380 | 276 | 1052854 | 56.074 | ng | | 98 |

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

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