Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112522\
Data File : BF131390.D
Acq On : 25 Nov 2022 11:44
Operator : CG\JU
Sample : PB149192BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 23:15:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 25 23:13:01 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB149192BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/02/2022
Supervised By :mohammad ahmed 12/02/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.957 | 152 | 110871 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 438902 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.016 | 164 | 253182 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.516 | 188 | 464515 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.174 | 240 | 298800 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.710 | 264 | 247028 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 769601 | 132.110 | ng | | 0.02 |
| 7) Phenol-d6 | 6.581 | 99 | 981414 | 132.042 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 641856 | 73.718 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.816 | 330 | 298379 | 140.081 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.333 | 172 | 1185195 | 68.103 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.110 | 244 | 1389748 | 76.058 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.852 | 88 | 93188 | 33.554 | ng | | 96 |
| 3) Pyridine | 3.604 | 79 | 257169 | 33.348 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.575 | 42 | 182572 | 40.146 | ng | | 95 |
| 6) Aniline | 6.622 | 93 | 393305m | 40.377 | ng | | |
| 8) 2-Chlorophenol | 6.740 | 128 | 306305 | 46.411 | ng | | 100 |
| 9) Benzaldehyde | 6.510 | 77 | 182032 | 39.804 | ng | | 97 |
| 10) Phenol | 6.592 | 94 | 373287 | 45.298 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.692 | 93 | 284915 | 41.266 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.898 | 146 | 313426 | 39.847 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.975 | 146 | 319402 | 39.963 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.128 | 146 | 310495 | 42.192 | ng | | 98 |
| 15) Benzyl Alcohol | 7.098 | 79 | 285432 | 46.836 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234 | 45 | 513615 | 38.898 | ng | | 99 |
| 17) 2-Methylphenol | 7.204 | 107 | 249015 | 44.269 | ng | | 99 |
| 18) Hexachloroethane | 7.475 | 117 | 121694 | 42.564 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 223092 | 41.001 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 313338m | 43.627 | ng | | |
| 22) Acetophenone | 7.375 | 105 | 425268 | 38.066 | ng | # | 95 |
| 24) Nitrobenzene | 7.545 | 77 | 344445 | 37.970 | ng | | 98 |
| 25) Isophorone | 7.787 | 82 | 620662 | 39.955 | ng | | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 156714 | 51.954 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.892 | 122 | 277309 | 46.049 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 354518 | 40.182 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.104 | 162 | 267001 | 40.875 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.186 | 180 | 290911 | 35.951 | ng | | 99 |
| 31) Naphthalene | 8.275 | 128 | 847699 | 36.244 | ng | | 99 |
| 32) Benzoic acid | 8.022 | 122 | 209057 | 53.339 | ng | | 95 |
| 33) 4-Chloroaniline | 8.316 | 127 | 253508 | 27.474 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.386 | 225 | 181234 | 34.588 | ng | | 97 |
| 35) Caprolactam | 8.698 | 113 | 86898m | 50.625 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.798 | 107 | 292404 | 43.087 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.969 | 142 | 578970 | 36.534 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.069 | 142 | 543683 | 35.379 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.133 | 216 | 297757 | 36.241 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.116 | 237 | 367948 | 99.621 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.239 | 196 | 206755 | 44.360 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.281 | 196 | 217676 | 41.533 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.433 | 154 | 714266 | 36.969 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.463 | 162 | 568816 | 36.700 | ng | | 98 |
| 48) 2-Nitroaniline | 9.557 | 65 | 209676 | 44.556 | ng | | 95 |
| 49) Acenaphthylene | 9.880 | 152 | 885701 | 37.487 | ng | | 100 |
| 50) Dimethylphthalate | 9.739 | 163 | 675533 | 38.295 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.798 | 165 | 153720 | 43.574 | ng | | 93 |
| 52) Acenaphthene | 10.051 | 154 | 636465m | 43.020 | ng | | |
| 53) 3-Nitroaniline | 9.969 | 138 | 121807 | 33.602 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 10.075 | 184 | 169948 | 96.529 | ng | | 98 |
| 55) Dibenzofuran | 10.228 | 168 | 777373 | 36.523 | ng | | 100 |
| 56) 4-Nitrophenol | 10.128 | 139 | 246499 | 97.980 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.210 | 165 | 211421 | 47.631 | ng | | 85 |
| 58) Fluorene | 10.569 | 166 | 622338 | 37.464 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.339 | 232 | 189667 | 43.454 | ng | | 99 |
| 60) Diethylphthalate | 10.439 | 149 | 644209 | 38.676 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.563 | 204 | 318542 | 37.407 | ng | | 95 |
| 62) 4-Nitroaniline | 10.592 | 138 | 157355 | 43.617 | ng | | 98 |
| 63) Azobenzene | 10.722 | 77 | 648459 | 36.207 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198 | 104902 | 51.429 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 10.680 | 169 | 546591 | 36.928 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 11.057 | 248 | 206862 | 36.335 | ng | | 95 |
| 68) Hexachlorobenzene | 11.116 | 284 | 224873 | 37.215 | ng | | 98 |
| 69) Atrazine | 11.210 | 200 | 203356 | 44.622 | ng | | 100 |
| 70) Pentachlorophenol | 11.316 | 266 | 272268 | 77.696 | ng | | 99 |
| 71) Phenanthrene | 11.539 | 178 | 924291 | 36.819 | ng | | 99 |
| 72) Anthracene | 11.592 | 178 | 943942 | 38.261 | ng | | 99 |
| 73) Carbazole | 11.745 | 167 | 849246 | 40.354 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.074 | 149 | 970840 | 39.149 | ng | | 99 |
| 75) Fluoranthene | 12.733 | 202 | 1010963 | 38.217 | ng | | 100 |
| 77) Benzidine | 12.857 | 184 | 441003 | 79.903 | ng | | 96 |
| 78) Pyrene | 12.969 | 202 | 1017113 | 38.581 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.586 | 149 | 359243 | 41.151 | ng | | 93 |
| 81) Benzo(a)anthracene | 14.163 | 228 | 792307 | 38.685 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.121 | 252 | 226073 | 41.597 | ng | | 100 |
| 83) Chrysene | 14.204 | 228 | 748124 | 37.231 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.145 | 149 | 432484 | 37.623 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.768 | 149 | 626783 | 39.658 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.292 | 276 | 661630 | 39.878 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.257 | 252 | 684569 | 41.715 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.286 | 252 | 657802 | 39.005 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.645 | 252 | 583534 | 43.336 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 17.315 | 278 | 559243 | 40.827 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.780 | 276 | 557417 | 40.772 | ng | | 98 |

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

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