Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134103.D
Acq On : 06 Jul 2023 18:15
Operator : CG\JU
Sample : PB153945BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 01:30:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 30 18:35:29 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB153945BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/07/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.846 | 152 | 108951 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.128 | 136 | 421083 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.887 | 164 | 212403 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.381 | 188 | 413777 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 255979 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 204526 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 765665 | 117.556 | ng | | 0.00 |
| 7) Phenol-d6 | 6.493 | 99 | 908200 | 113.384 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.416 | 82 | 625188 | 80.034 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.686 | 330 | 306772 | 115.193 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.204 | 172 | 1145987 | 78.443 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.975 | 244 | 1341782 | 84.362 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.740 | 88 | 112358 | 41.837 | ng | | 98 |
| 3) Pyridine | 3.510 | 79 | 246276 | 35.206 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 180384 | 45.149 | ng | | 98 |
| 6) Aniline | 6.510 | 93 | 240521 | 24.676 | ng | # | 74 |
| 8) 2-Chlorophenol | 6.634 | 128 | 301842 | 45.653 | ng | | 99 |
| 9) Benzaldehyde | 6.399 | 77 | 37739 | 6.235 | ng | | 98 |
| 10) Phenol | 6.504 | 94 | 357354 | 42.432 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.587 | 93 | 274386 | 44.253 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.787 | 146 | 312758 | 44.370 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.863 | 146 | 326474 | 45.855 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.016 | 146 | 305069 | 45.752 | ng | | 99 |
| 15) Benzyl Alcohol | 6.993 | 79 | 272210 | 44.083 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122 | 45 | 452671 | 41.267 | ng | | 97 |
| 17) 2-Methylphenol | 7.104 | 107 | 252015 | 42.565 | ng | | 97 |
| 18) Hexachloroethane | 7.351 | 117 | 122762 | 46.503 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.263 | 70 | 210181 | 41.377 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.257 | 107 | 301051 | 41.913 | ng | | 95 |
| 22) Acetophenone | 7.257 | 105 | 426978 | 44.586 | ng | | 97 |
| 24) Nitrobenzene | 7.434 | 77 | 334315 | 42.352 | ng | | 97 |
| 25) Isophorone | 7.669 | 82 | 583609 | 41.108 | ng | | 100 |
| 26) 2-Nitrophenol | 7.745 | 139 | 164826 | 43.527 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.781 | 122 | 257462 | 42.952 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 334051 | 40.637 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.987 | 162 | 248771 | 41.853 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 268219 | 43.733 | ng | | 98 |
| 31) Naphthalene | 8.151 | 128 | 822667 | 40.446 | ng | | 98 |
| 32) Benzoic acid | 7.916 | 122 | 194143 | 43.223 | ng | | 96 |
| 33) 4-Chloroaniline | 8.198 | 127 | 85396 | 9.815 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 172031 | 44.466 | ng | | 99 |
| 35) Caprolactam | 8.575 | 113 | 83656m | 42.745 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.687 | 107 | 288255 | 43.169 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.840 | 142 | 559618 | 38.907 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.940 | 142 | 519145 | 38.825 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.010 | 216 | 271659 | 43.170 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 273301 | 91.545 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.122 | 196 | 178904 | 41.763 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.169 | 196 | 193405 | 38.382 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.310 | 154 | 712441 | 41.814 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.334 | 162 | 519161 | 41.645 | ng | | 95 |
| 48) 2-Nitroaniline | 9.434 | 65 | 191688 | 42.191 | ng | | 98 |
| 49) Acenaphthylene | 9.751 | 152 | 860499 | 40.408 | ng | | 99 |
| 50) Dimethylphthalate | 9.610 | 163 | 623447 | 40.435 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.675 | 165 | 139297 | 41.946 | ng | | 88 |
| 52) Acenaphthene | 9.922 | 154 | 508463 | 41.148 | ng | | 100 |
| 53) 3-Nitroaniline | 9.845 | 138 | 87966 | 22.080 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.957 | 184 | 166363 | 86.420 | ng | | 87 |
| 55) Dibenzofuran | 10.098 | 168 | 768773 | 39.809 | ng | | 99 |
| 56) 4-Nitrophenol | 10.016 | 139 | 224547 | 80.578 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.086 | 165 | 184716 | 42.118 | ng | | 94 |
| 58) Fluorene | 10.439 | 166 | 608302 | 40.488 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232 | 161401m | 40.607 | ng | | |
| 60) Diethylphthalate | 10.316 | 149 | 646378 | 40.239 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.428 | 204 | 287053 | 39.646 | ng | | 94 |
| 62) 4-Nitroaniline | 10.469 | 138 | 150538 | 37.494 | ng | | 94 |
| 63) Azobenzene | 10.592 | 77 | 603173 | 39.696 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 110035 | 48.777 | ng | | 100 |
| 66) n-Nitrosodiphenylamine | 10.551 | 169 | 534212 | 40.408 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.922 | 248 | 179254 | 40.758 | ng | | 92 |
| 68) Hexachlorobenzene | 10.986 | 284 | 206543 | 44.232 | ng | | 96 |
| 69) Atrazine | 11.081 | 200 | 148891 | 40.716 | ng | | 99 |
| 70) Pentachlorophenol | 11.186 | 266 | 210031 | 75.225 | ng | | 98 |
| 71) Phenanthrene | 11.410 | 178 | 866854 | 41.615 | ng | | 99 |
| 72) Anthracene | 11.457 | 178 | 887117 | 40.945 | ng | | 99 |
| 73) Carbazole | 11.616 | 167 | 853763 | 43.052 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.945 | 149 | 986990 | 41.852 | ng | | 99 |
| 75) Fluoranthene | 12.604 | 202 | 952199 | 42.284 | ng | | 98 |
| 77) Benzidine | 12.728 | 184 | 133801 | 21.968 | ng | | 97 |
| 78) Pyrene | 12.833 | 202 | 964181 | 40.474 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 383617 | 42.937 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 741486 | 41.768 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 167235 | 29.734 | ng | # | 97 |
| 83) Chrysene | 14.069 | 228 | 696785 | 40.524 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149 | 443586 | 43.208 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 638279 | 42.312 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.092 | 276 | 659541 | 46.473 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 600728 | 49.951 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.133 | 252 | 564138 | 46.072 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 501207 | 43.099 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.110 | 278 | 541905 | 46.748 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.568 | 276 | 559566 | 46.810 | ng | | 97 |

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

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