Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
Data File : BF139599.D
Acq On : 02 Oct 2024 11:39
Operator : RC/JU
Sample : PB163811BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 12:00:15 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 :**
PB163811BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 92492 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 356514 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 207013 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 398612 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 227777 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 194700 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 815381 | 152.798 | ng | | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 1101130 | 153.441 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 728642 | 103.478 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 312088 | 156.171 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.227 | 172 | 1377531 | 102.156 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 1554708 | 111.996 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.751 | 88 | 105251 | 45.620 | ng | | 99 |
| 3) Pyridine | 3.493 | 79 | 279862 | 49.877 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.451 | 42 | 191756 | 52.210 | ng | | 98 |
| 6) Aniline | 6.528 | 93 | 346812 | 54.462 | ng | # | 77 |
| 8) 2-Chlorophenol | 6.651 | 128 | 312794 | 54.710 | ng | | 99 |
| 9) Benzaldehyde | 6.416 | 77 | 116880 | 30.746 | ng | | 98 |
| 10) Phenol | 6.516 | 94 | 407504 | 54.004 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 311303 | 50.669 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 321112 | 49.926 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.886 | 146 | 324644 | 49.837 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.033 | 146 | 314060 | 51.442 | ng | | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 301094 | 54.913 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139 | 45 | 568260 | 53.427 | ng | | 95 |
| 17) 2-Methylphenol | 7.122 | 107 | 258160 | 54.088 | ng | | 99 |
| 18) Hexachloroethane | 7.375 | 117 | 122013 | 50.217 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 241474 | 52.339 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 319396 | 53.277 | ng | | 94 |
| 22) Acetophenone | 7.275 | 105 | 434744 | 51.373 | ng | | 99 |
| 24) Nitrobenzene | 7.451 | 77 | 364089 | 49.933 | ng | | 99 |
| 25) Isophorone | 7.692 | 82 | 655389 | 52.404 | ng | | 100 |
| 26) 2-Nitrophenol | 7.769 | 139 | 166672 | 53.172 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 248516m | 64.762 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 389118 | 52.104 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 267352 | 53.414 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 275182 | 48.615 | ng | | 100 |
| 31) Naphthalene | 8.175 | 128 | 923100 | 50.641 | ng | | 100 |
| 32) Benzoic acid | 7.939 | 122 | 197201 | 51.682 | ng | | 98 |
| 33) 4-Chloroaniline | 8.222 | 127 | 162710 | 26.371 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.286 | 225 | 178674 | 48.777 | ng | | 99 |
| 35) Caprolactam | 8.598 | 113 | 87675m | 53.406 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 302151 | 53.327 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 610767 | 51.447 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 564440 | 48.640 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.027 | 216 | 285529 | 49.670 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.016 | 237 | 352043 | 199.726 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 203284 | 52.458 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 214767 | 51.391 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.327 | 154 | 772476 | 50.171 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 575365 | 49.847 | ng | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 221879 | 53.549 | ng | 99 |
| 49) Acenaphthylene | 9.769 | 152 | 958517 | 54.604 | ng | 100 |
| 50) Dimethylphthalate | 9.633 | 163 | 716976 | 52.908 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 158053 | 51.631 | ng | 98 |
| 52) Acenaphthene | 9.939 | 154 | 685524m | 56.887 | ng | |
| 53) 3-Nitroaniline | 9.863 | 138 | 110197 | 35.226 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.974 | 184 | 187318 | 113.768 | ng | 99 |
| 55) Dibenzofuran | 10.116 | 168 | 870342 | 51.583 | ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 255739 | 107.203 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 214697 | 53.657 | ng | 98 |
| 58) Fluorene | 10.457 | 166 | 684464 | 50.932 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 183171 | 54.267 | ng | 100 |
| 60) Diethylphthalate | 10.333 | 149 | 744276 | 53.174 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 336638 | 50.071 | ng | 99 |
| 62) 4-Nitroaniline | 10.480 | 138 | 166971 | 52.181 | ng | 99 |
| 63) Azobenzene | 10.610 | 77 | 750762 | 53.336 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 120351 | 53.459 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 615392 | 52.375 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 207315 | 50.726 | ng | 99 |
| 68) Hexachlorobenzene | 11.004 | 284 | 228097 | 50.296 | ng | 98 |
| 69) Atrazine | 11.098 | 200 | 202789 | 64.327 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 262609 | 97.247 | ng | 99 |
| 71) Phenanthrene | 11.421 | 178 | 990570 | 52.704 | ng | 100 |
| 72) Anthracene | 11.468 | 178 | 1013847 | 54.526 | ng | 100 |
| 73) Carbazole | 11.627 | 167 | 924076 | 51.744 | ng | 100 |
| 74) Di-n-butylphthalate | 11.951 | 149 | 1167404 | 53.757 | ng | 100 |
| 75) Fluoranthene | 12.604 | 202 | 1082500 | 52.688 | ng | 100 |
| 77) Benzidine | 12.727 | 184 | 432163 | 107.564 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 1085535 | 53.285 | ng | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 421640 | 57.862 | ng | 100 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 837383 | 55.917 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 172924 | 37.730 | ng | 99 |
| 83) Chrysene | 14.062 | 228 | 697272 | 50.928 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.009 | 149 | 541756 | 59.539 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 774758 | 57.957 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 668005 | 58.292 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 622970 | 49.485 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 611708 | 57.282 | ng | 100 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 576420 | 58.069 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.998 | 278 | 558324 | 58.742 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.427 | 276 | 509666 | 53.467 | ng | 100 |

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

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