Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135840.D
Acq On : 18 Oct 2023 11:28
Operator : CG\JU
Sample : PB156392BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 01:18:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB156392BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.740 | 152 | 90089 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.022 | 136 | 365549 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.781 | 164 | 183797 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.281 | 188 | 335634 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 13.945 | 240 | 194205 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.421 | 264 | 156965 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.387 | 112 | 821350 | 146.580 | ng | | 0.01 |
| 7) Phenol-d6 | 6.404 | 99 | 864715 | 123.680 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.316 | 82 | 602966 | 90.720 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.586 | 330 | 240199 | 136.192 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.104 | 172 | 983792 | 83.688 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.875 | 244 | 1090547 | 103.993 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.505 | 88 | 112109 | 41.479 | ng | | 99 |
| 3) Pyridine | 3.275 | 79 | 229884 | 34.665 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.222 | 42 | 172594 | 48.397 | ng | | 96 |
| 6) Aniline | 6.410 | 93 | 271406 | 30.847 | ng | # | 83 |
| 8) 2-Chlorophenol | 6.534 | 128 | 272065 | 45.025 | ng | | 99 |
| 9) Benzaldehyde | 6.304 | 77 | 48150 | 12.100 | ng | | 97 |
| 10) Phenol | 6.416 | 94 | 320998 | 43.817 | ng | # | 80 |
| 11) bis(2-Chloroethyl)ether | 6.481 | 93 | 252580 | 42.790 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.681 | 146 | 273874 | 44.707 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.757 | 146 | 280492 | 45.199 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.910 | 146 | 262895 | 47.049 | ng | | 96 |
| 15) Benzyl Alcohol | 6.898 | 79 | 219269 | 47.168 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016 | 45 | 457925 | 42.894 | ng | | 62 |
| 17) 2-Methylphenol | 7.016 | 107 | 216641 | 41.415 | ng | | 96 |
| 18) Hexachloroethane | 7.240 | 117 | 110912 | 49.293 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 7.163 | 70 | 190064 | 43.966 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.169 | 107 | 297080 | 45.556 | ng | | 94 |
| 22) Acetophenone | 7.157 | 105 | 389265 | 46.432 | ng | # | 97 |
| 24) Nitrobenzene | 7.334 | 77 | 307755 | 46.136 | ng | | 98 |
| 25) Isophorone | 7.569 | 82 | 553372 | 44.132 | ng | | 97 |
| 26) 2-Nitrophenol | 7.645 | 139 | 159800 | 49.089 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.693 | 122 | 229990 | 42.916 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.775 | 93 | 336018 | 44.998 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.898 | 162 | 243634 | 48.513 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.963 | 180 | 250312 | 48.732 | ng | | 99 |
| 31) Naphthalene | 8.045 | 128 | 797997 | 44.756 | ng | | 98 |
| 32) Benzoic acid | 7.857 | 122 | 175718 | 48.440 | ng | | 97 |
| 33) 4-Chloroaniline | 8.104 | 127 | 166271 | 21.348 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.151 | 225 | 141937 | 46.684 | ng | | 98 |
| 35) Caprolactam | 8.492 | 113 | 83554m | 48.667 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.604 | 107 | 255412 | 45.860 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.734 | 142 | 507119 | 43.169 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.834 | 142 | 490162 | 45.239 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.904 | 216 | 253655 | 47.977 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 8.881 | 237 | 90375 | 81.375 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.028 | 196 | 154606 | 45.379 | ng | | 100 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.081 | 196 | 160169 | 40.420 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 9.204 | 154 | 599089 | 42.552 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.228 | 162 | 442674 | 43.627 | ng | | 98 |
| 48) | 2-Nitroaniline | 9.339 | 65 | 170097 | 42.470 | ng | | 95 |
| 49) | Acenaphthylene | 9.645 | 152 | 783794 | 46.677 | ng | | 99 |
| 50) | Dimethylphthalate | 9.510 | 163 | 528871 | 42.625 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.587 | 165 | 122495 | 45.910 | ng | # | 83 |
| 52) | Acenaphthene | 9.816 | 154 | 466011 | 46.302 | ng | | 100 |
| 53) | 3-Nitroaniline | 9.757 | 138 | 117943 | 36.059 | ng | | 97 |
| 54) | 2,4-Dinitrophenol | 9.881 | 184 | 121144 | 108.769 | ng | | 89 |
| 55) | Dibenzofuran | 9.992 | 168 | 699549 | 46.065 | ng | | 98 |
| 56) | 4-Nitrophenol | 9.951 | 139 | 116491 | 77.888 | ng | | 97 |
| 57) | 2,4-Dinitrotoluene | 9.998 | 165 | 166879 | 49.162 | ng | # | 86 |
| 58) | Fluorene | 10.334 | 166 | 562779 | 47.337 | ng | | 98 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.122 | 232 | 133618 | 44.619 | ng | | 97 |
| 60) | Diethylphthalate | 10.216 | 149 | 559022 | 44.133 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.328 | 204 | 268737 | 46.769 | ng | | 91 |
| 62) | 4-Nitroaniline | 10.381 | 138 | 136438 | 45.337 | ng | | 97 |
| 63) | Azobenzene | 10.486 | 77 | 554352 | 45.046 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.416 | 198 | 87305 | 51.687 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 10.451 | 169 | 510655 | 49.917 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.816 | 248 | 156294 | 46.389 | ng | | 98 |
| 68) | Hexachlorobenzene | 10.886 | 284 | 176153 | 51.354 | ng | | 98 |
| 69) | Atrazine | 10.986 | 200 | 161525 | 58.049 | ng | | 97 |
| 70) | Pentachlorophenol | 11.098 | 266 | 123295 | 91.135 | ng | | 93 |
| 71) | Phenanthrene | 11.304 | 178 | 775457 | 48.230 | ng | | 99 |
| 72) | Anthracene | 11.357 | 178 | 802122 | 48.144 | ng | | 99 |
| 73) | Carbazole | 11.522 | 167 | 800772 | 51.534 | ng | | 99 |
| 74) | Di-n-butylphthalate | 11.839 | 149 | 869765 | 45.590 | ng | | 100 |
| 75) | Fluoranthene | 12.504 | 202 | 896907 | 50.261 | ng | | 97 |
| 77) | Benzidine | 12.633 | 184 | 217374 | 51.295 | ng | | 99 |
| 78) | Pyrene | 12.733 | 202 | 885922 | 57.406 | ng | | 100 |
| 80) | Butylbenzylphthalate | 13.351 | 149 | 331113 | 48.825 | ng | | 99 |
| 81) | Benzo(a)anthracene | 13.933 | 228 | 654453 | 51.305 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 13.898 | 252 | 158591 | 37.487 | ng | | 97 |
| 83) | Chrysene | 13.974 | 228 | 590237 | 47.772 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 13.910 | 149 | 416999 | 45.369 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.533 | 149 | 613963 | 42.125 | ng | | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.939 | 276 | 476605 | 55.726 | ng | | 97 |
| 88) | Benzo(b)fluoranthene | 14.992 | 252 | 490641 | 55.851 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 15.021 | 252 | 409598 | 48.026 | ng | | 98 |
| 90) | Benzo(a)pyrene | 15.363 | 252 | 387699 | 46.933 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 16.939 | 278 | 384072 | 54.779 | ng | | 100 |
| 92) | Benzo(g,h,i)perylene | 17.392 | 276 | 405770 | 56.341 | ng | | 98 |

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

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