Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131422.D
Acq On : 28 Nov 2022 10:38
Operator : CG\JU
Sample : PB149277BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 29 00:19:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB149277BS

**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 | 6.951 | 152 | 86833 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 320955 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.010 | 164 | 188182 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.510 | 188 | 364742 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.168 | 240 | 242829 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.704 | 264 | 178999 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.575 | 112 | 661194 | 144.921 | ng | | 0.02 |
| 7) Phenol-d6 | 6.581 | 99 | 816131 | 140.201 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 551915 | 86.683 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.810 | 330 | 275202 | 173.828 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.327 | 172 | 1050724 | 81.231 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.104 | 244 | 1374866 | 92.587 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.851 | 88 | 82508 | 37.933 | ng | | 98 |
| 3) Pyridine | 3.604 | 79 | 224727 | 37.208 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.575 | 42 | 166117 | 46.639 | ng | | 97 |
| 6) Aniline | 6.616 | 93 | 249059m | 32.647 | ng | | |
| 8) 2-Chlorophenol | 6.734 | 128 | 255443 | 49.419 | ng | | 98 |
| 9) Benzaldehyde | 6.504 | 77 | 144188 | 40.400 | ng | | 97 |
| 10) Phenol | 6.592 | 94 | 308667 | 47.825 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.686 | 93 | 240540 | 44.483 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.892 | 146 | 268069 | 43.515 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.969 | 146 | 274086 | 43.787 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.122 | 146 | 266261 | 46.197 | ng | | 99 |
| 15) Benzyl Alcohol | 7.098 | 79 | 242962 | 50.903 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.228 | 45 | 444599 | 42.992 | ng | | 100 |
| 17) 2-Methylphenol | 7.204 | 107 | 202498 | 45.965 | ng | | 99 |
| 18) Hexachloroethane | 7.469 | 117 | 105285 | 47.019 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.369 | 70 | 189662 | 44.507 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.357 | 107 | 254728m | 45.285 | ng | | |
| 22) Acetophenone | 7.369 | 105 | 364596 | 44.628 | ng | # | 98 |
| 24) Nitrobenzene | 7.539 | 77 | 291541 | 43.948 | ng | | 98 |
| 25) Isophorone | 7.781 | 82 | 525193 | 46.234 | ng | | 100 |
| 26) 2-Nitrophenol | 7.857 | 139 | 124809 | 56.262 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.886 | 122 | 226626 | 51.463 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.986 | 93 | 298084 | 46.201 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 220147 | 46.087 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.181 | 180 | 250626 | 42.354 | ng | | 97 |
| 31) Naphthalene | 8.269 | 128 | 717887 | 41.973 | ng | | 99 |
| 32) Benzoic acid | 8.016 | 122 | 150365 | 52.714 | ng | | 94 |
| 33) 4-Chloroaniline | 8.310 | 127 | 66241 | 9.817 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.380 | 225 | 163265 | 42.609 | ng | | 98 |
| 35) Caprolactam | 8.692 | 113 | 71030m | 56.588 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.792 | 107 | 249672 | 50.310 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 492915 | 42.534 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 462269 | 41.136 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.127 | 216 | 256632 | 42.024 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.110 | 237 | 338426 | 123.277 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.239 | 196 | 172713 | 49.855 | ng | | 99 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.275 | 196 | 185354 | 47.581 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.427 | 154 | 620791 | 43.229 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.457 | 162 | 484998 | 42.101 | ng | | 98 |
| 48) 2-Nitroaniline | 9.551 | 65 | 177913 | 50.865 | ng | | 98 |
| 49) Acenaphthylene | 9.874 | 152 | 746621 | 42.516 | ng | | 100 |
| 50) Dimethylphthalate | 9.733 | 163 | 593299 | 45.251 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.792 | 165 | 131341 | 50.090 | ng | | 98 |
| 52) Acenaphthene | 10.045 | 154 | 546999m | 49.744 | ng | | |
| 53) 3-Nitroaniline | 9.963 | 138 | 68425 | 25.396 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 10.069 | 184 | 143760 | 105.226 | ng | | 95 |
| 55) Dibenzofuran | 10.222 | 168 | 671038 | 42.417 | ng | | 99 |
| 56) 4-Nitrophenol | 10.127 | 139 | 216289 | 115.667 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.204 | 165 | 184060 | 55.790 | ng | | 88 |
| 58) Fluorene | 10.563 | 166 | 544698 | 44.117 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.333 | 232 | 166987 | 51.473 | ng | | 99 |
| 60) Diethylphthalate | 10.433 | 149 | 596236 | 48.161 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.557 | 204 | 277058 | 43.773 | ng | | 96 |
| 62) 4-Nitroaniline | 10.592 | 138 | 130519 | 48.674 | ng | | 97 |
| 63) Azobenzene | 10.716 | 77 | 583731 | 43.851 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198 | 93866 | 56.725 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.674 | 169 | 487858 | 41.976 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 11.051 | 248 | 190181 | 42.542 | ng | | 94 |
| 68) Hexachlorobenzene | 11.110 | 284 | 202610 | 42.703 | ng | | 98 |
| 69) Atrazine | 11.204 | 200 | 191639 | 53.554 | ng | | 98 |
| 70) Pentachlorophenol | 11.304 | 266 | 239775 | 86.547 | ng | | 99 |
| 71) Phenanthrene | 11.533 | 178 | 834900 | 42.355 | ng | | 100 |
| 72) Anthracene | 11.586 | 178 | 857007 | 44.239 | ng | | 100 |
| 73) Carbazole | 11.739 | 167 | 764478 | 46.263 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.068 | 149 | 944967 | 48.530 | ng | | 99 |
| 75) Fluoranthene | 12.727 | 202 | 925951 | 44.579 | ng | | 99 |
| 77) Benzidine | 12.851 | 184 | 325361 | 72.539 | ng | | 97 |
| 78) Pyrene | 12.963 | 202 | 942463 | 43.990 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.580 | 149 | 349342 | 48.426 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.157 | 228 | 714641 | 42.935 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.115 | 252 | 109514 | 24.795 | ng | | 99 |
| 83) Chrysene | 14.192 | 228 | 684758 | 41.932 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.139 | 149 | 441324 | 46.283 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.768 | 149 | 615560 | 45.882 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.280 | 276 | 572837 | 47.648 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.245 | 252 | 592913 | 49.861 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.280 | 252 | 550072 | 45.014 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.639 | 252 | 488310 | 50.046 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.303 | 278 | 478539 | 48.212 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.762 | 276 | 483120 | 48.768 | ng | | 97 |

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

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