Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051221\
Data File : BF123922.D
Acq On : 12 May 2021 13:58
Operator : JU/CG
Sample : PB136281BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB136281BSD

**Manual Integrations APPROVED**
Sohil
5/13/2021 2:51:24 PM

Quant Time: May 12 14:24:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 11 18:02:17 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.757 | 152 | 174865 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.045 | 136 | 741889 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.798 | 164 | 349017 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.286 | 188 | 589618 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 13.927 | 240 | 388671 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 15.363 | 264 | 276631 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.387 | 112 | 1096387 | 75.07 | ng | | 0.00 |
| 7) Phenol-d6 | 6.404 | 99 | 1420524 | 73.39 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.328 | 82 | 1138095 | 68.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.592 | 330 | 187388 | 77.94 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.122 | 172 | 1429154 | 64.50 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.874 | 244 | 1289451 | 59.98 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.552 | 88 | 310687 | 37.34 | ng | # | 74 |
| 3) Pyridine | 3.263 | 79 | 804194 | 41.77 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 3.228 | 42 | 348390 | 44.15 | ng | # | 62 |
| 6) Aniline | 6.422 | 93 | 694985 | 31.89 | ng | # | 47 |
| 8) 2-Chlorophenol | 6.551 | 128 | 606660 | 41.79 | ng | | 88 |
| 9) Benzaldehyde | 6.304 | 77 | 94630 | 10.65 | ng | | 93 |
| 10) Phenol | 6.422 | 94 | 805229 | 39.81 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.498 | 93 | 661861 | 43.44 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 6.698 | 146 | 602246 | 42.19 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.775 | 146 | 607828 | 42.31 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.928 | 146 | 574285 | 42.84 | ng | | 98 |
| 15) Benzyl Alcohol | 6.910 | 79 | 529325 | 43.85 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.040 | 45 | 1050436 | 41.44 | ng | | 88 |
| 17) 2-Methylphenol | 7.028 | 107 | 513802 | 41.62 | ng | | 98 |
| 18) Hexachloroethane | 7.269 | 117 | 251839 | 42.07 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.181 | 70 | 466819 | 41.64 | ng | | 88 |
| 20) 3+4-Methylphenols | 7.181 | 107 | 615773 | 40.34 | ng | # | 84 |
| 22) Acetophenone | 7.169 | 105 | 866289 | 41.98 | ng | # | 89 |
| 24) Nitrobenzene | 7.345 | 77 | 717736 | 41.32 | ng | | 97 |
| 25) Isophorone | 7.587 | 82 | 1320763 | 41.43 | ng | | 99 |
| 26) 2-Nitrophenol | 7.663 | 139 | 319669 | 42.37 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.704 | 122 | 533780 | 43.07 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.798 | 93 | 797112 | 44.03 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.910 | 162 | 440008 | 39.43 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.987 | 180 | 451879 | 41.04 | ng | | 98 |
| 31) Naphthalene | 8.069 | 128 | 1763088 | 41.66 | ng | | 99 |
| 32) Benzoic acid | 7.851 | 122 | 308851 | 51.24 | ng | | 95 |
| 33) 4-Chloroaniline | 8.116 | 127 | 404117 | 24.33 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.187 | 225 | 227783 | 40.73 | ng | | 100 |
| 35) Caprolactam | 8.492 | 113 | 173397m | 44.78 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.610 | 107 | 564447 | 42.71 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.757 | 142 | 1085260 | 43.09 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.857 | 142 | 1006647 | 41.95 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.928 | 216 | 362835 | 41.67 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 8.916 | 237 | 318025 | 154.41 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 9.039 | 196 | 238943 | 39.83 | ng | | 93 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.092 | 196 | 259294 | 40.66 | ng | # | 91 |
| 46) 1,1'-Biphenyl | 9.222 | 154 | 1227556 | 40.63 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.245 | 162 | 899260 | 41.03 | ng | | 97 |
| 48) 2-Nitroaniline | 9.351 | 65 | 354064 | 43.10 | ng | # | 78 |
| 49) Acenaphthylene | 9.663 | 152 | 1378075 | 41.75 | ng | | 99 |
| 50) Dimethylphthalate | 9.534 | 163 | 1025730 | 42.39 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.592 | 165 | 231672 | 41.83 | ng | # | 81 |
| 52) Acenaphthene | 9.834 | 154 | 878451 | 40.21 | ng | | 97 |
| 53) 3-Nitroaniline | 9.757 | 138 | 215955 | 30.40 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.869 | 184 | 218144 | 98.52 | ng | | 96 |
| 55) Dibenzofuran | 10.010 | 168 | 1184581 | 38.77 | ng | | 99 |
| 56) 4-Nitrophenol | 9.939 | 139 | 361835 | 87.65 | ng | | 85 |
| 57) 2,4-Dinitrotoluene | 9.998 | 165 | 294080 | 40.46 | ng | | 93 |
| 58) Fluorene | 10.351 | 166 | 909463 | 40.11 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.128 | 232 | 193392 | 40.70 | ng | | 90 |
| 60) Diethylphthalate | 10.228 | 149 | 997987 | 41.73 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204 | 400779 | 41.22 | ng | | 97 |
| 62) 4-Nitroaniline | 10.381 | 138 | 283143 | 41.81 | ng | | 88 |
| 63) Azobenzene | 10.504 | 77 | 1270599 | 41.70 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198 | 158958 | 40.60 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.463 | 169 | 811450 | 38.46 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.833 | 248 | 232042 | 39.09 | ng | | 93 |
| 68) Hexachlorobenzene | 10.898 | 284 | 224474 | 39.96 | ng | # | 86 |
| 69) Atrazine | 10.992 | 200 | 220739 | 35.10 | ng | | 96 |
| 70) Pentachlorophenol | 11.098 | 266 | 216276 | 91.53 | ng | | 96 |
| 71) Phenanthrene | 11.310 | 178 | 1410915 | 39.39 | ng | | 100 |
| 72) Anthracene | 11.363 | 178 | 1459317 | 40.77 | ng | | 100 |
| 73) Carbazole | 11.522 | 167 | 1309452 | 39.49 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.851 | 149 | 1627959 | 41.06 | ng | | 100 |
| 75) Fluoranthene | 12.498 | 202 | 1459226 | 45.26 | ng | | 94 |
| 77) Benzidine | 12.622 | 184 | 495856 | 41.38 | ng | | 98 |
| 78) Pyrene | 12.727 | 202 | 1460670 | 40.18 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.351 | 149 | 719179 | 42.93 | ng | | 93 |
| 81) Benzo(a)anthracene | 13.916 | 228 | 1003300 | 38.67 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.880 | 252 | 273693 | 33.95 | ng | # | 96 |
| 83) Chrysene | 13.957 | 228 | 1070818 | 39.70 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149 | 874436 | 39.76 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.521 | 149 | 1592449 | 42.25 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.786 | 276 | 807119 | 44.26 | ng | # | 79 |
| 88) Benzo(b)fluoranthene | 14.951 | 252 | 847437 | 41.32 | ng | # | 93 |
| 89) Benzo(k)fluoranthene | 14.980 | 252 | 861219 | 46.05 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.304 | 252 | 708507 | 39.78 | ng | # | 92 |
| 91) Dibenzo(a,h)anthracene | 16.798 | 278 | 660166 | 42.85 | ng | # | 90 |
| 92) Benzo(g,h,i)perylene | 17.215 | 276 | 670618 | 42.40 | ng | # | 81 |

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

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