Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012821\
Data File : BF123057.D
Acq On : 28 Jan 2021 13:17
Operator : JU/CG
Sample : PB134359BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB134359BS

**Manual Integrations APPROVED**
mohammad
1/29/2021 10:33:31 AM

Quant Time: Jan 28 14:55:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 28 00:48:07 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.892 | 152 | 269377 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.181 | 136 | 1028673 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.939 | 164 | 548088 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.427 | 188 | 1004108 | 20.00 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 844673 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.568 | 264 | 797354 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 1971909 | 112.92 | ng | | 0.02 |
| 7) Phenol-d6 | 6.522 | 99 | 2571492 | 108.64 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 1457701 | 71.32 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.733 | 330 | 716266 | 120.39 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.257 | 172 | 2659128 | 72.12 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.022 | 244 | 3086553 | 71.79 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.769 | 88 | 350737 | 40.37 | ng | | 95 |
| 3) Pyridine | 3.516 | 79 | 965570 | 41.56 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.469 | 42 | 422729 | 43.23 | ng | | 94 |
| 6) Aniline | 6.557 | 93 | 919046 | 31.55 | ng | | 99 |
| 8) 2-Chlorophenol | 6.681 | 128 | 838438 | 44.29 | ng | | 97 |
| 9) Benzaldehyde | 6.440 | 77 | 253245 | 23.40 | ng | | 98 |
| 10) Phenol | 6.534 | 94 | 1022731m | 43.57 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 832521 | 42.62 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.834 | 146 | 915526 | 41.47 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 925788 | 40.27 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 861721 | 40.06 | ng | | 97 |
| 15) Benzyl Alcohol | 7.034 | 79 | 732672 | 44.15 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169 | 45 | 1227205 | 40.74 | ng | | 97 |
| 17) 2-Methylphenol | 7.145 | 107 | 708490 | 43.99 | ng | | 98 |
| 18) Hexachloroethane | 7.410 | 117 | 344629 | 42.80 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 591102 | 41.53 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 835250 | 44.03 | ng | # | 88 |
| 22) Acetophenone | 7.304 | 105 | 1111846 | 41.48 | ng | | 97 |
| 24) Nitrobenzene | 7.475 | 77 | 911156 | 43.27 | ng | | 100 |
| 25) Isophorone | 7.716 | 82 | 1663887 | 44.44 | ng | | 100 |
| 26) 2-Nitrophenol | 7.792 | 139 | 449287 | 51.59 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.828 | 122 | 809785 | 51.53 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93 | 1057443 | 41.40 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.034 | 162 | 725745 | 44.17 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.116 | 180 | 759556 | 41.03 | ng | | 99 |
| 31) Naphthalene | 8.198 | 128 | 2401775 | 42.57 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 565178 | 44.99 | ng | | 98 |
| 33) 4-Chloroaniline | 8.245 | 127 | 657512 | 26.26 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.322 | 225 | 433915 | 40.58 | ng | | 99 |
| 35) Caprolactam | 8.616 | 113 | 232824m | 41.92 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.728 | 107 | 771620 | 45.16 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.892 | 142 | 1610705 | 43.00 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.992 | 142 | 1501703 | 42.34 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.063 | 216 | 701303 | 41.13 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 9.051 | 237 | 830088 | 102.56 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.169 | 196 | 532943 | 45.59 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.216 | 196 | 542771 | 44.40 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.357 | 154 | 1906334 | 42.40 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.386 | 162 | 1526089 | 40.55 | ng | | 98 |
| 48) 2-Nitroaniline | 9.475 | 65 | 493353 | 43.25 | ng | | 86 |
| 49) Acenaphthylene | 9.804 | 152 | 2328772 | 42.28 | ng | | 100 |
| 50) Dimethylphthalate | 9.663 | 163 | 1779698 | 41.39 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.716 | 165 | 419269 | 45.77 | ng | # | 85 |
| 52) Acenaphthene | 9.975 | 154 | 1612904 | 45.59 | ng | | 100 |
| 53) 3-Nitroaniline | 9.886 | 138 | 309453 | 28.57 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 387750 | 91.49 | ng | | 99 |
| 55) Dibenzofuran | 10.145 | 168 | 2107488 | 40.94 | ng | | 99 |
| 56) 4-Nitrophenol | 10.051 | 139 | 736367 | 94.05 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.122 | 165 | 558665 | 46.90 | ng | | 96 |
| 58) Fluorene | 10.492 | 166 | 1591266 | 38.69 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232 | 466078 | 44.96 | ng | | 95 |
| 60) Diethylphthalate | 10.363 | 149 | 1780502 | 42.11 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204 | 758488 | 39.25 | ng | | 98 |
| 62) 4-Nitroaniline | 10.504 | 138 | 421709 | 38.75 | ng | | 96 |
| 63) Azobenzene | 10.639 | 77 | 1760826 | 42.56 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198 | 273906 | 49.27 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.598 | 169 | 1492955 | 41.25 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.975 | 248 | 518218 | 40.52 | ng | | 94 |
| 68) Hexachlorobenzene | 11.039 | 284 | 550294 | 40.12 | ng | | 97 |
| 69) Atrazine | 11.128 | 200 | 401053 | 40.13 | ng | | 99 |
| 70) Pentachlorophenol | 11.233 | 266 | 666361 | 89.64 | ng | | 99 |
| 71) Phenanthrene | 11.457 | 178 | 2408435 | 38.62 | ng | | 99 |
| 72) Anthracene | 11.510 | 178 | 2470474 | 41.30 | ng | | 99 |
| 73) Carbazole | 11.663 | 167 | 2269127 | 40.87 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.992 | 149 | 2717826 | 41.28 | ng | | 99 |
| 75) Fluoranthene | 12.651 | 202 | 2536021 | 40.69 | ng | | 99 |
| 77) Benzidine | 12.769 | 184 | 1047804 | 54.82 | ng | | 100 |
| 78) Pyrene | 12.880 | 202 | 2576782 | 40.41 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 1217109 | 44.36 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.074 | 228 | 2339070 | 40.92 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.033 | 252 | 748485 | 41.60 | ng | # | 97 |
| 83) Chrysene | 14.116 | 228 | 2356438 | 41.19 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149 | 1588971 | 43.58 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.680 | 149 | 2867552 | 46.83 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.074 | 276 | 2422734 | 45.63 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 15.133 | 252 | 2604100 | 45.25 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.168 | 252 | 2224030 | 41.59 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.510 | 252 | 2190732 | 43.34 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.098 | 278 | 2010309 | 46.00 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.533 | 276 | 1976189 | 46.66 | ng | | 98 |

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

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