Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091591.D
Acq On : 14 Dec 2016 18:28
Operator : UM/SJ
Sample : PB95351BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB95351BS

**Manual Integrations APPROVED**
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12/15/2016 5:39:54 PM

Quant Time: Dec 15 01:11:37 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 277057 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.08 | 136 | 1122447 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 617810 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.31 | 188 | 970018 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.95 | 240 | 699123 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.36 | 264 | 577154 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 2017599 | 122.69 | ng | | -0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 2494761 | 121.69 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 1826462 | 90.82 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 571171 | 111.31 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 2665647 | 74.55 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.90 | 244 | 2398253 | 77.84 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.42 | 88 | 300999 | 34.68 | ng | # | 86 |
| 3) Pyridine | 3.12 | 79 | 844923 | 36.54 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.06 | 42 | 413844 | 41.65 | ng | # | 63 |
| 6) Aniline | 6.45 | 93 | 608677 | 22.64 | ng | # | 27 |
| 8) 2-Chlorophenol | 6.58 | 128 | 762006 | 41.05 | ng | | 86 |
| 9) Benzaldehyde | 6.34 | 77 | 142836m | 10.12 | ng | | |
| 10) Phenol | 6.45 | 94 | 878114 | 36.63 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 786024 | 43.65 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 844600 | 41.96 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 810261 | 40.81 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 807052 | 45.11 | ng | | 95 |
| 15) Benzyl Alcohol | 6.94 | 79 | 727291 | 44.93 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 1179539 | 42.27 | ng | | 80 |
| 17) 2-Methylphenol | 7.06 | 107 | 644090m | 41.94 | ng | | |
| 18) Hexachloroethane | 7.31 | 117 | 324503 | 41.88 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 601728 | 46.94 | ng | # | 76 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 818118 | 49.65 | ng | | 93 |
| 22) Acetophenone | 7.21 | 105 | 1126735 | 41.90 | ng | # | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 870171 | 40.95 | ng | # | 89 |
| 25) Isophorone | 7.62 | 82 | 1607921 | 44.98 | ng | | 97 |
| 26) 2-Nitrophenol | 7.70 | 139 | 457813 | 48.82 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 767280 | 46.58 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 1006069 | 47.98 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 643762 | 44.92 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 683318 | 41.95 | ng | | 97 |
| 31) Naphthalene | 8.10 | 128 | 2165601 | 41.47 | ng | | 99 |
| 32) Benzoic acid | 7.87 | 122 | 581527 | 49.08 | ng | | 93 |
| 33) 4-Chloroaniline | 8.16 | 127 | 214023 | 9.51 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 380385 | 40.74 | ng | | 98 |
| 35) Caprolactam | 8.52 | 113 | 226231m | 54.06 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 706510 | 43.96 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 1518027 | 44.91 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 631908 | 37.29 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 683350 | 90.45 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 474735 | 43.60 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 480436 | 42.94 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 1884084 | 42.10 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 1449550 | 41.83 | ng | | 94 |
| 47) 2-Nitroaniline | 9.38 | 65 | 441823 | 37.92 | ng | | 89 |
| 48) Acenaphthylene | 9.70 | 152 | 2199101 | 41.63 | ng | | 98 |
| 49) Dimethylphthalate | 9.56 | 163 | 1541914 | 39.42 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.62 | 165 | 362599 | 42.23 | ng | | 89 |
| 51) Acenaphthene | 9.87 | 154 | 1596047 | 43.50 | ng | | 97 |
| 52) 3-Nitroaniline | 9.79 | 138 | 204579 | 20.28 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.89 | 184 | 407155 | 80.35 | ng | # | 81 |
| 54) Dibenzofuran | 10.04 | 168 | 1851696 | 40.79 | ng | | 99 |
| 55) 4-Nitrophenol | 9.96 | 139 | 657404 | 87.61 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 546377 | 50.77 | ng | | 89 |
| 57) Fluorene | 10.38 | 166 | 1510177 | 46.75 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 384034 | 43.84 | ng | | 96 |
| 59) Diethylphthalate | 10.27 | 149 | 1666984 | 44.25 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 596361 | 36.54 | ng | # | 76 |
| 61) 4-Nitroaniline | 10.41 | 138 | 395671 | 39.48 | ng | | 95 |
| 62) Azobenzene | 10.53 | 77 | 1794683 | 42.04 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 248892 | 42.60 | ng | # | 79 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 1337850 | 46.26 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 417624 | 41.99 | ng | | 100 |
| 67) Hexachlorobenzene | 10.93 | 284 | 470084 | 45.46 | ng | | 98 |
| 68) Atrazine | 11.02 | 200 | 387314 | 41.65 | ng | | 99 |
| 69) Pentachlorophenol | 11.13 | 266 | 527107 | 90.57 | ng | | 94 |
| 70) Phenanthrene | 11.35 | 178 | 2321849 | 48.34 | ng | | 99 |
| 71) Anthracene | 11.39 | 178 | 2072673 | 40.00 | ng | | 99 |
| 72) Carbazole | 11.55 | 167 | 2069050 | 45.56 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.88 | 149 | 2320940 | 43.86 | ng | | 98 |
| 74) Fluoranthene | 12.52 | 202 | 2099822 | 41.75 | ng | | 94 |
| 76) Benzidine | 12.65 | 184 | 675534 | 31.25 | ng | | 98 |
| 77) Pyrene | 12.75 | 202 | 2110459 | 38.05 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.38 | 149 | 1049750 | 48.55 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.94 | 228 | 1644088 | 40.49 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 316586 | 21.71 | ng | | 100 |
| 82) Chrysene | 13.97 | 228 | 1611632 | 37.94 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 1229269 | 44.31 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 2211295 | 46.96 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 1415011 | 37.02 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.96 | 252 | 1447718 | 42.08 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.99 | 252 | 1419442m | 46.92 | ng | | |
| 89) Benzo(a)pyrene | 15.30 | 252 | 1340739 | 43.26 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.74 | 278 | 1162902 | 41.88 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.13 | 276 | 1233751 | 43.66 | ng | # | 94 |

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

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