Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089878.D
Acq On : 24 Aug 2016 16:55
Operator : UM/SJ
Sample : PB93061BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB93061BS

**Manual Integrations APPROVED**

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8/25/2016 6:49:28 PM

Quant Time: Aug 25 13:50:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 409033 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.95 | 136 | 1645721 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.71 | 164 | 788148 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.19 | 188 | 1420523 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 1043361 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.31 | 264 | 910283 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.24 | 112 | 2856219 | 119.75 | ng | | -0.01 |
| 7) Phenol-d6 | 6.31 | 99 | 3199601 | 109.28 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.23 | 82 | 1893144 | 71.47 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 801700 | 107.03 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.04 | 172 | 3678568 | 82.03 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.78 | 244 | 3132809 | 67.93 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.20 | 88 | 386917 | 32.78 | ng | | 95 |
| 3) Pyridine | 2.83 | 79 | 1165020 | 37.63 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 437755 | 37.98 | ng | # | 85 |
| 6) Aniline | 6.33 | 93 | 1143292 | 29.11 | ng | | 99 |
| 8) 2-Chlorophenol | 6.44 | 128 | 1043866 | 36.60 | ng | | 99 |
| 9) Benzaldehyde | 6.20 | 77 | 240264 | 12.60 | ng | | 87 |
| 10) Phenol | 6.32 | 94 | 1197494 | 34.90 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.41 | 93 | 1069142 | 40.18 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 1121541 | 37.61 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.68 | 146 | 1185151 | 38.66 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.84 | 146 | 1056110 | 36.91 | ng | | 98 |
| 15) Benzyl Alcohol | 6.81 | 79 | 822730 | 42.37 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45 | 1139563 | 33.46 | ng | | 93 |
| 17) 2-Methylphenol | 6.94 | 107 | 939662 | 42.06 | ng | | 95 |
| 18) Hexachloroethane | 7.19 | 117 | 419295 | 38.35 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 761488 | 40.67 | ng | # | 88 |
| 20) 3+4-Methylphenols | 7.08 | 107 | 1122332 | 40.97 | ng | | 94 |
| 22) Acetophenone | 7.08 | 105 | 1314575 | 34.79 | ng | # | 90 |
| 24) Nitrobenzene | 7.26 | 77 | 1198486 | 40.32 | ng | | 91 |
| 25) Isophorone | 7.50 | 82 | 1974779 | 36.96 | ng | | 96 |
| 26) 2-Nitrophenol | 7.58 | 139 | 597699 | 40.31 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 1086572 | 40.66 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93 | 1186062 | 35.88 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 949376 | 42.34 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.90 | 180 | 906908 | 36.56 | ng | | 99 |
| 31) Naphthalene | 7.98 | 128 | 2965251 | 38.55 | ng | | 99 |
| 32) Benzoic acid | 7.74 | 122 | 532098 | 25.55 | ng | | 97 |
| 33) 4-Chloroaniline | 8.02 | 127 | 564627 | 16.94 | ng | # | 86 |
| 34) Hexachlorobutadiene | 8.10 | 225 | 480402 | 36.98 | ng | | 99 |
| 35) Caprolactam | 8.40 | 113 | 280872 | 41.13 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 8.51 | 107 | 928512 | 38.23 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.67 | 142 | 2075832 | 41.72 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 670854 | 26.29 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.83 | 237 | 850548 | 95.99 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 631651 | 39.34 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 632562 | 39.61 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.13 | 154 | 2068188 | 33.91 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.15 | 162 | 1786734 | 37.06 | ng | | 98 |
| 47) 2-Nitroaniline | 9.26 | 65 | 613622 | 44.62 | ng | # | 64 |
| 48) Acenaphthylene | 9.56 | 152 | 2850808 | 39.35 | ng | | 99 |
| 49) Dimethylphthalate | 9.45 | 163 | 2172944 | 39.16 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.50 | 165 | 461198 | 36.00 | ng | | 87 |
| 51) Acenaphthene | 9.74 | 154 | 1991746 | 41.54 | ng | | 99 |
| 52) 3-Nitroaniline | 9.66 | 138 | 343835 | 24.22 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.77 | 184 | 456106 | 65.66 | ng | # | 78 |
| 54) Dibenzofuran | 9.91 | 168 | 2604258 | 43.24 | ng | | 98 |
| 55) 4-Nitrophenol | 9.83 | 139 | 773000 | 66.72 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 602994 | 36.27 | ng | # | 64 |
| 57) Fluorene | 10.25 | 166 | 1724218 | 35.93 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 550372 | 47.35 | ng | | 97 |
| 59) Diethylphthalate | 10.15 | 149 | 2228472 | 39.53 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204 | 777671 | 35.52 | ng | | 95 |
| 61) 4-Nitroaniline | 10.27 | 138 | 480472 | 36.10 | ng | | 95 |
| 62) Azobenzene | 10.41 | 77 | 2141606 | 40.41 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 287666 | 35.24 | ng | # | 58 |
| 65) n-Nitrosodiphenylamine | 10.38 | 169 | 1857356 | 41.58 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.74 | 248 | 580043 | 38.95 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.80 | 284 | 619348 | 36.45 | ng | # | 87 |
| 68) Atrazine | 10.90 | 200 | 486543 | 35.57 | ng | | 97 |
| 69) Pentachlorophenol | 10.99 | 266 | 662465 | 68.79 | ng | | 97 |
| 70) Phenanthrene | 11.21 | 178 | 2966461 | 41.35 | ng | | 97 |
| 71) Anthracene | 11.26 | 178 | 2699943 | 37.02 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 2723684 | 41.64 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.77 | 149 | 3346838 | 40.89 | ng | # | 98 |
| 74) Fluoranthene | 12.39 | 202 | 2671296 | 39.14 | ng | | 94 |
| 76) Benzidine | 12.51 | 184 | 1151668 | 34.11 | ng | | 97 |
| 77) Pyrene | 12.62 | 202 | 2846865 | 33.51 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.27 | 149 | 1575622 | 41.06 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.83 | 228 | 2476214 | 41.44 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.81 | 252 | 644010 | 32.88 | ng | # | 96 |
| 82) Chrysene | 13.87 | 228 | 2201057 | 42.97 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 2059673 | 38.96 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 3473434 | 49.45 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.61 | 276 | 2032387 | 31.10 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.94 | 252 | 2359067 | 47.11 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 14.96 | 252 | 1724474m | 37.95 | ng | | |
| 89) Benzo(a)pyrene | 15.26 | 252 | 1904059 | 40.17 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.63 | 278 | 1684446 | 32.74 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.98 | 276 | 1715358 | 31.66 | ng | | 100 |

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

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