Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
Data File : BF089865.D
Acq On : 24 Aug 2016 11:03
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
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8/25/2016 6:48:50 PM

Quant Time: Aug 25 13:09:58 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 | 6.67 | 152 | 464240 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.95 | 136 | 1814249 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.71 | 164 | 862897 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.19 | 188 | 1601678 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 1301776 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.37 | 264 | 1135876 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 2088575 | 77.15 | ng | | -0.02 |
| 7) Phenol-d6 | 6.31 | 99 | 2668354 | 80.30 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.24 | 82 | 2441224 | 83.59 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 626795 | 76.43 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.04 | 172 | 3569575 | 72.71 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.78 | 244 | 3376580 | 58.68 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.10 | 88 | 548631 | 40.95 | ng | | 93 |
| 3) Pyridine | 2.74 | 79 | 1498825 | 42.66 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 2.70 | 42 | 539650 | 41.25 | ng | # | 87 |
| 6) Aniline | 6.33 | 93 | 1884273 | 42.27 | ng | | 99 |
| 8) 2-Chlorophenol | 6.44 | 128 | 1242736 | 38.39 | ng | | 97 |
| 9) Benzaldehyde | 6.20 | 77 | 819542 | 37.86 | ng | | 91 |
| 10) Phenol | 6.32 | 94 | 1496040 | 38.41 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.41 | 93 | 1212324 | 40.14 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 1326189 | 39.19 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.68 | 146 | 1398091 | 40.19 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.84 | 146 | 1344929 | 41.42 | ng | | 99 |
| 15) Benzyl Alcohol | 6.82 | 79 | 954857 | 43.33 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45 | 1489090 | 38.52 | ng | | 92 |
| 17) 2-Methylphenol | 6.94 | 107 | 1071517 | 42.26 | ng | | 96 |
| 18) Hexachloroethane | 7.19 | 117 | 523531 | 42.19 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 775475 | 36.49 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 1410771 | 45.38 | ng | # | 51 |
| 22) Acetophenone | 7.08 | 105 | 1616859 | 38.81 | ng | # | 89 |
| 24) Nitrobenzene | 7.26 | 77 | 1250537 | 38.17 | ng | | 98 |
| 25) Isophorone | 7.50 | 82 | 2346880 | 39.85 | ng | | 99 |
| 26) 2-Nitrophenol | 7.58 | 139 | 778182 | 47.60 | ng | # | 91 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 1221754 | 41.47 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.72 | 93 | 1545350 | 42.41 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 1059499 | 42.86 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.90 | 180 | 1097954 | 40.15 | ng | | 100 |
| 31) Naphthalene | 7.98 | 128 | 3218409 | 37.96 | ng | | 99 |
| 32) Benzoic acid | 7.75 | 122 | 790137 | 34.41 | ng | | 94 |
| 33) 4-Chloroaniline | 8.03 | 127 | 1664388 | 45.28 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.10 | 225 | 576476 | 40.26 | ng | | 99 |
| 35) Caprolactam | 8.41 | 113 | 300543 | 39.92 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.51 | 107 | 1071952 | 40.04 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.67 | 142 | 2438993 | 44.46 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 1109962 | 39.72 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 8.83 | 237 | 438640 | 45.21 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 704945 | 40.10 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 758720 | 43.40 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.14 | 154 | 2835403 | 42.46 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.15 | 162 | 2024345 | 38.35 | ng | | 99 |
| 47) 2-Nitroaniline | 9.26 | 65 | 682753 | 45.35 | ng | # | 76 |
| 48) Acenaphthylene | 9.56 | 152 | 3310224 | 41.73 | ng | | 99 |
| 49) Dimethylphthalate | 9.45 | 163 | 2610105 | 42.96 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.51 | 165 | 585872 | 41.77 | ng | # | 59 |
| 51) Acenaphthene | 9.75 | 154 | 2232995 | 42.54 | ng | | 99 |
| 52) 3-Nitroaniline | 9.67 | 138 | 723969 | 46.59 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 9.77 | 184 | 197085 | 32.88 | ng | # | 65 |
| 54) Dibenzofuran | 9.92 | 168 | 2834450 | 42.99 | ng | # | 88 |
| 55) 4-Nitrophenol | 9.83 | 139 | 558433 | 44.02 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 651225 | 35.78 | ng | # | 69 |
| 57) Fluorene | 10.25 | 166 | 2129198 | 40.52 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 538517 | 42.32 | ng | | 96 |
| 59) Diethylphthalate | 10.15 | 149 | 2498045 | 40.47 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204 | 872144 | 36.39 | ng | | 93 |
| 61) 4-Nitroaniline | 10.27 | 138 | 693936 | 47.63 | ng | | 95 |
| 62) Azobenzene | 10.41 | 77 | 2219292 | 38.25 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 364869 | 39.64 | ng | # | 72 |
| 65) n-Nitrosodiphenylamine | 10.38 | 169 | 2125385 | 42.20 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.74 | 248 | 660168 | 39.31 | ng | # | 84 |
| 67) Hexachlorobenzene | 10.80 | 284 | 693751 | 36.21 | ng | # | 82 |
| 68) Atrazine | 10.90 | 200 | 565302 | 36.65 | ng | | 97 |
| 69) Pentachlorophenol | 10.99 | 266 | 429499 | 39.55 | ng | | 99 |
| 70) Phenanthrene | 11.21 | 178 | 3178607 | 39.29 | ng | | 97 |
| 71) Anthracene | 11.26 | 178 | 3223889 | 39.20 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 2801880 | 37.99 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.77 | 149 | 4022131 | 43.59 | ng | # | 98 |
| 74) Fluoranthene | 12.39 | 202 | 3164480 | 41.12 | ng | | 93 |
| 76) Benzidine | 12.53 | 184 | 1777424 | 42.19 | ng | | 97 |
| 77) Pyrene | 12.62 | 202 | 3189949 | 30.09 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.28 | 149 | 1886502 | 39.40 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 2961879 | 39.73 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.83 | 252 | 1107396 | 45.31 | ng | | 96 |
| 82) Chrysene | 13.90 | 228 | 2485689 | 38.89 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 2355528 | 35.72 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 4028368 | 45.97 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 16.66 | 276 | 2575957 | 31.59 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.98 | 252 | 2528425 | 40.46 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.02 | 252 | 2630673m | 46.40 | ng | | |
| 89) Benzo(a)pyrene | 15.33 | 252 | 2426620 | 41.03 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.69 | 278 | 2153395 | 33.54 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.05 | 276 | 2184893 | 32.32 | ng | | 100 |

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

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