Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091050.D
Acq On : 7 Nov 2016 12:43
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
sohil
11/8/2016 4:30:54 PM

Quant Time: Nov 07 17:42:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.67 | 152 | 174379 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 7.96 | 136 | 747844 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.71 | 164 | 347461 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.20 | 188 | 612090 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.82 | 240 | 509098 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.21 | 264 | 391363 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 888744 | 84.17 | ng | | -0.03 |
| 7) Phenol-d6 | 6.33 | 99 | 1092009 | 76.20 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.24 | 82 | 1096167 | 79.96 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.51 | 330 | 313085 | 99.67 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.05 | 172 | 1849083 | 91.62 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.78 | 244 | 1873527 | 91.83 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.14 | 88 | 229043 | 37.92 | ng | | 97 |
| 3) Pyridine | 2.80 | 79 | 662617 | 46.90 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.76 | 42 | 223421 | 39.98 | ng | | 91 |
| 6) Aniline | 6.34 | 93 | 675061 | 39.93 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.45 | 128 | 499673 | 39.67 | ng | | 98 |
| 9) Benzaldehyde | 6.21 | 77 | 301547 | 37.91 | ng | | 99 |
| 10) Phenol | 6.34 | 94 | 641531 | 40.45 | ng | # | 80 |
| 11) bis(2-Chloroethyl)ether | 6.42 | 93 | 552287 | 41.32 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.61 | 146 | 534793 | 41.98 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.69 | 146 | 531662 | 38.90 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.84 | 146 | 522389 | 41.65 | ng | | 98 |
| 15) Benzyl Alcohol | 6.83 | 79 | 418746 | 41.42 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45 | 673223 | 35.18 | ng | | 73 |
| 17) 2-Methylphenol | 6.94 | 107 | 380065 | 38.12 | ng | | 99 |
| 18) Hexachloroethane | 7.18 | 117 | 211585 | 40.00 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 406811 | 40.96 | ng | # | 89 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 508340 | 42.46 | ng | | 95 |
| 22) Acetophenone | 7.09 | 105 | 710448 | 41.26 | ng | # | 96 |
| 24) Nitrobenzene | 7.26 | 77 | 638020 | 42.14 | ng | | 97 |
| 25) Isophorone | 7.50 | 82 | 1006871 | 38.12 | ng | | 98 |
| 26) 2-Nitrophenol | 7.58 | 139 | 282755 | 44.13 | ng | # | 71 |
| 27) 2,4-Dimethylphenol | 7.63 | 122 | 432432 | 40.81 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.72 | 93 | 595822 | 41.29 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 372127 | 40.24 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.90 | 180 | 434280 | 41.76 | ng | | 99 |
| 31) Naphthalene | 7.98 | 128 | 1493673 | 41.76 | ng | | 100 |
| 32) Benzoic acid | 7.78 | 122 | 312134 | 38.84 | ng | | 100 |
| 33) 4-Chloroaniline | 8.04 | 127 | 620836 | 41.74 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.10 | 225 | 217084 | 38.68 | ng | | 100 |
| 35) Caprolactam | 8.43 | 113 | 131565 | 45.28 | ng | # | 66 |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 427662 | 38.20 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.67 | 142 | 875025 | 38.06 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.84 | 216 | 407547 | 46.00 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.83 | 237 | 126641 | 40.56 | ng | | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.96 | 196 | 248673 | 43.48 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.00 | 196 | 270171 | 45.00 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.14 | 154 | 1052542 | 41.49 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.16 | 162 | 812382 | 42.17 | ng | | 99 |
| 47) 2-Nitroaniline | 9.26 | 65 | 272429 | 38.11 | ng | | 97 |
| 48) Acenaphthylene | 9.57 | 152 | 1167610 | 38.90 | ng | | 100 |
| 49) Dimethylphthalate | 9.46 | 163 | 939342 | 41.23 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.52 | 165 | 234895 | 48.11 | ng | # | 58 |
| 51) Acenaphthene | 9.74 | 154 | 715411 | 37.96 | ng | | 99 |
| 52) 3-Nitroaniline | 9.69 | 138 | 246503 | 42.57 | ng | # | 71 |
| 53) 2,4-Dinitrophenol | 9.79 | 184 | 110196 | 44.45 | ng | # | 90 |
| 54) Dibenzofuran | 9.92 | 168 | 1037389 | 40.89 | ng | | 98 |
| 55) 4-Nitrophenol | 9.86 | 139 | 141007 | 39.68 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 9.92 | 165 | 252938 | 40.71 | ng | # | 86 |
| 57) Fluorene | 10.26 | 166 | 803309 | 38.74 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.04 | 232 | 206867 | 43.98 | ng | | 93 |
| 59) Diethylphthalate | 10.14 | 149 | 885172 | 37.89 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.26 | 204 | 431848 | 45.76 | ng | | 95 |
| 61) 4-Nitroaniline | 10.30 | 138 | 249273 | 42.56 | ng | | 84 |
| 62) Azobenzene | 10.42 | 77 | 954994 | 34.73 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198 | 157185 | 41.94 | ng | | 73 |
| 65) n-Nitrosodiphenylamine | 10.38 | 169 | 790942 | 40.65 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.75 | 248 | 253773 | 39.86 | ng | # | 63 |
| 67) Hexachlorobenzene | 10.81 | 284 | 288896 | 41.14 | ng | | 99 |
| 68) Atrazine | 10.91 | 200 | 192191 | 34.24 | ng | | 97 |
| 69) Pentachlorophenol | 11.01 | 266 | 134646 | 43.29 | ng | | 98 |
| 70) Phenanthrene | 11.22 | 178 | 1268467 | 38.98 | ng | | 100 |
| 71) Anthracene | 11.28 | 178 | 1405404 | 40.63 | ng | | 99 |
| 72) Carbazole | 11.44 | 167 | 1249023 | 40.07 | ng | # | 96 |
| 73) Di-n-butylphthalate | 11.77 | 149 | 1444391 | 36.84 | ng | # | 98 |
| 74) Fluoranthene | 12.41 | 202 | 1405412 | 41.65 | ng | | 88 |
| 76) Benzidine | 12.53 | 184 | 554421 | 48.75 | ng | | 99 |
| 77) Pyrene | 12.62 | 202 | 1361812 | 40.85 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.25 | 149 | 653728 | 40.99 | ng | | 89 |
| 80) Benzo(a)anthracene | 13.81 | 228 | 1242948 | 43.00 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 485750 | 47.83 | ng | # | 99 |
| 82) Chrysene | 13.86 | 228 | 1355296 | 47.55 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 852033 | 39.48 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.43 | 149 | 1350860 | 38.07 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 922023 | 38.99 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.83 | 252 | 1258977m | 47.43 | ng | | |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 898296m | 38.58 | ng | | |
| 89) Benzo(a)pyrene | 15.15 | 252 | 949827 | 41.10 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.52 | 278 | 805111 | 40.30 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 16.89 | 276 | 729968 | 40.41 | ng | | 100 |

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

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