Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093432.D
Acq On : 8 Mar 2017 17:01
Operator : SJ/MA
Sample : PB97430BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB97430BS

**Manual Integrations APPROVED**
mohammad
3/10/2017 8:11:39 AM

Quant Time: Mar 08 17:41:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 192739m | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.05 | 136 | 766439 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.81 | 164 | 382551 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 706812 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 622673 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.34 | 264 | 496995 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 1272029 | 109.84 | ng | | 0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 1747585 | 119.67 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 1058821 | 76.65 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 320296 | 128.51 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1814525 | 88.23 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.87 | 244 | 1502048 | 62.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.33 | 88 | 182837 | 28.66 | ng | # | 82 |
| 3) Pyridine | 3.03 | 79 | 530430 | 32.62 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 273948 | 35.27 | ng | | 84 |
| 6) Aniline | 6.44 | 93 | 259777m | 12.96 | ng | | |
| 8) 2-Chlorophenol | 6.55 | 128 | 469867 | 36.21 | ng | | 95 |
| 9) Benzaldehyde | 6.32 | 77 | 79940 | 6.35 | ng | | 98 |
| 10) Phenol | 6.44 | 94 | 607601m | 33.95 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.50 | 93 | 503061 | 34.78 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.70 | 146 | 504168m | 33.95 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.78 | 146 | 523742m | 34.44 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.94 | 146 | 452693 | 33.62 | ng | | 94 |
| 15) Benzyl Alcohol | 6.93 | 79 | 380859 | 36.59 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 823404 | 34.27 | ng | | 85 |
| 17) 2-Methylphenol | 7.04 | 107 | 394983 | 35.99 | ng | | 94 |
| 18) Hexachloroethane | 7.27 | 117 | 177613 | 34.64 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70 | 378486 | 37.70 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 546676 | 38.41 | ng | # | 73 |
| 22) Acetophenone | 7.18 | 105 | 656112 | 35.57 | ng | # | 97 |
| 24) Nitrobenzene | 7.36 | 77 | 546624 | 35.21 | ng | # | 89 |
| 25) Isophorone | 7.60 | 82 | 990088 | 35.54 | ng | | 99 |
| 26) 2-Nitrophenol | 7.67 | 139 | 257209 | 36.31 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 428818 | 37.21 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93 | 627255 | 35.67 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 423329 | 39.05 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 7.99 | 180 | 404417 | 35.08 | ng | # | 95 |
| 31) Naphthalene | 8.07 | 128 | 1292831 | 33.66 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 293916 | 49.09 | ng | | 91 |
| 33) 4-Chloroaniline | 8.14 | 127 | 170974 | 10.97 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.18 | 225 | 211818 | 35.67 | ng | | 99 |
| 35) Caprolactam | 8.52 | 113 | 149603m | 40.41 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 439959 | 38.02 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 923745 | 37.80 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 380536 | 36.43 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.92 | 237 | 206719 | 78.66 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.05 | 196 | 271622 | 41.62 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 9.11 | 196 | 261602 | 37.36 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 9.22 | 154 | 1026691 | 36.84 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 871162 | 40.84 | ng | | 95 |
| 47) 2-Nitroaniline | 9.36 | 65 | 309478 | 41.04 | ng | | 95 |
| 48) Acenaphthylene | 9.67 | 152 | 1332146 | 37.87 | ng | | 98 |
| 49) Dimethylphthalate | 9.53 | 163 | 1006773 | 39.70 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 205511 | 36.93 | ng | # | 52 |
| 51) Acenaphthene | 9.84 | 154 | 818164 | 39.33 | ng | | 98 |
| 52) 3-Nitroaniline | 9.77 | 138 | 98549 | 14.74 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.90 | 184 | 217410 | 85.79 | ng | # | 67 |
| 54) Dibenzofuran | 10.01 | 168 | 1151724 | 44.23 | ng | | 94 |
| 55) 4-Nitrophenol | 9.97 | 139 | 280151 | 86.27 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.01 | 165 | 266311 | 38.95 | ng | # | 65 |
| 57) Fluorene | 10.36 | 166 | 909863 | 41.24 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 218135 | 44.14 | ng | | 97 |
| 59) Diethylphthalate | 10.23 | 149 | 931944 | 38.45 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 416540 | 42.12 | ng | | 88 |
| 61) 4-Nitroaniline | 10.40 | 138 | 249541 | 36.49 | ng | | 79 |
| 62) Azobenzene | 10.50 | 77 | 1218109 | 44.23 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 162391 | 35.46 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.47 | 169 | 820854 | 34.78 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 259491 | 34.72 | ng | # | 83 |
| 67) Hexachlorobenzene | 10.90 | 284 | 250668 | 35.12 | ng | | 97 |
| 68) Atrazine | 11.00 | 200 | 227503 | 32.93 | ng | | 99 |
| 69) Pentachlorophenol | 11.11 | 266 | 213708 | 86.73 | ng | | 98 |
| 70) Phenanthrene | 11.32 | 178 | 1394393 | 34.56 | ng | | 99 |
| 71) Anthracene | 11.36 | 178 | 1414175 | 34.65 | ng | | 99 |
| 72) Carbazole | 11.53 | 167 | 1310558 | 34.18 | ng | # | 96 |
| 73) Di-n-butylphthalate | 11.85 | 149 | 1731428 | 39.04 | ng | # | 96 |
| 74) Fluoranthene | 12.50 | 202 | 1450823 | 37.23 | ng | | 95 |
| 76) Benzidine | 12.63 | 184 | 305193 | 14.90 | ng | | 96 |
| 77) Pyrene | 12.73 | 202 | 1462042 | 32.28 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.35 | 149 | 732926 | 38.45 | ng | # | 77 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 1223794 | 33.28 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.89 | 252 | 285596 | 22.18 | ng | # | 96 |
| 82) Chrysene | 13.96 | 228 | 1031834 | 30.33 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.90 | 149 | 956975 | 36.02 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.52 | 149 | 1692493 | 38.22 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 893976 | 31.39 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 14.95 | 252 | 1249299m | 41.27 | ng | | |
| 88) Benzo(k)fluoranthene | 14.97 | 252 | 857769m | 29.39 | ng | | |
| 89) Benzo(a)pyrene | 15.29 | 252 | 997842 | 36.07 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 16.72 | 278 | 756682 | 33.06 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.13 | 276 | 771283 | 32.84 | ng | # | 93 |

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

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