Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080241.D
Acq On : 30 Jun 2015 17:34
Operator : TP/IZ
Sample : PB84281BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB84281BS

**Manual Integrations APPROVED**
apatel
7/1/2015 4:16:36 PM

Quant Time: Jul 01 11:09:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.28 | 152 | 36096 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.57 | 136 | 147040 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 10.34 | 164 | 75327 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.85 | 188 | 154981 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 14.83 | 240 | 160775 | 20.00 | ng | | -0.17 |
| 86) Perylene-d12 | 16.70 | 264 | 153572 | 20.00 | ng | | -0.23 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.90 | 112 | 240284 | 117.84 | ng | | -0.03 |
| 7) Phenol-d6 | 6.89 | 99 | 337585 | 124.41 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.84 | 82 | 195145 | 77.26 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 11.14 | 330 | 86660 | 117.65 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.65 | 172 | 375373 | 71.07 | ng | | -0.05 |
| 78) Terphenyl-d14 | 13.54 | 244 | 475007 | 69.00 | ng | | -0.13 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.13 | 88 | 28450m | 29.35 | ng | | |
| 3) Pyridine | 3.97 | 79 | 78244 | 30.36 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 43019 | 35.12 | ng | | 96 |
| 6) Aniline | 6.94 | 93 | 101863 | 27.29 | ng | | 95 |
| 8) 2-Chlorophenol | 7.06 | 128 | 89086 | 37.80 | ng | | 87 |
| 9) Benzaldehyde | 6.82 | 77 | 45500 | 29.05 | ng | # | 66 |
| 10) Phenol | 6.90 | 94 | 123264 | 41.63 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.01 | 93 | 80224 | 34.15 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.22 | 146 | 95487m | 33.73 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.30 | 146 | 103123 | 38.30 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.46 | 146 | 90457 | 34.52 | ng | | 98 |
| 15) Benzyl Alcohol | 7.41 | 79 | 74346m | 33.51 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 7.56 | 45 | 138811 | 39.81 | ng | | 85 |
| 17) 2-Methylphenol | 7.52 | 107 | 70189 | 34.87 | ng | # | 89 |
| 18) Hexachloroethane | 7.81 | 117 | 33914 | 37.83 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 7.68 | 70 | 62973 | 33.43 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.67 | 107 | 97104 | 37.38 | ng | | 91 |
| 22) Acetophenone | 7.68 | 105 | 125341 | 36.58 | ng | # | 82 |
| 24) Nitrobenzene | 7.86 | 77 | 91027 | 34.92 | ng | # | 78 |
| 25) Isophorone | 8.09 | 82 | 164060 | 32.28 | ng | # | 83 |
| 26) 2-Nitrophenol | 8.18 | 139 | 44768 | 41.03 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 8.21 | 122 | 88271 | 38.79 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 8.30 | 93 | 106730 | 35.74 | ng | # | 90 |
| 29) 2,4-Dichlorophenol | 8.42 | 162 | 80635 | 41.38 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.52 | 180 | 85032 | 38.43 | ng | | 100 |
| 31) Naphthalene | 8.60 | 128 | 262214m | 34.11 | ng | | |
| 32) Benzoic acid | 8.28 | 122 | 33193 | 24.13 | ng | # | 70 |
| 33) 4-Chloroaniline | 8.63 | 127 | 57383 | 17.44 | ng | # | 85 |
| 34) Hexachlorobutadiene | 8.72 | 225 | 43655 | 32.04 | ng | | 99 |
| 35) Caprolactam | 8.97 | 113 | 22391 | 35.40 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 9.11 | 107 | 76517 | 34.81 | ng | | 93 |
| 37) 2-Methylnaphthalene | 9.29 | 142 | 190828 | 38.37 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.46 | 216 | 88811 | 40.52 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.45 | 237 | 80401 | 71.96 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.57 | 196 | 59436 | 39.85 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.60 | 196 | 56578 | 32.92 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.76 | 154 | 206641 | 33.72 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.78 | 162 | 175503 | 35.29 | ng | | 94 |
| 47) 2-Nitroaniline | 9.86 | 65 | 46761 | 34.26 | ng | # | 57 |
| 48) Acenaphthylene | 10.21 | 152 | 303116 | 36.52 | ng | | 98 |
| 49) Dimethylphthalate | 10.05 | 163 | 202692 | 35.79 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.10 | 165 | 39928 | 35.17 | ng | # | 43 |
| 51) Acenaphthene | 10.38 | 154 | 193149 | 38.04 | ng | | 90 |
| 52) 3-Nitroaniline | 10.28 | 138 | 30588 | 23.35 | ng | # | 49 |
| 53) 2,4-Dinitrophenol | 10.39 | 184 | 42027 | 90.15 | ng | # | 32 |
| 54) Dibenzofuran | 10.55 | 168 | 255873 | 35.51 | ng | # | 89 |
| 55) 4-Nitrophenol | 10.42 | 139 | 68978 | 65.88 | ng | # | 32 |
| 56) 2,4-Dinitrotoluene | 10.52 | 165 | 58759 | 40.79 | ng | # | 79 |
| 57) Fluorene | 10.90 | 166 | 200063 | 34.99 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.66 | 232 | 48365 | 33.34 | ng | # | 98 |
| 59) Diethylphthalate | 10.74 | 149 | 189350 | 33.21 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.88 | 204 | 98616 | 35.89 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.89 | 138 | 45840 | 33.88 | ng | # | 50 |
| 62) Azobenzene | 11.04 | 77 | 200045 | 34.46 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 10.93 | 198 | 24937 | 35.61 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 11.00 | 169 | 176927 | 35.06 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 11.38 | 248 | 58430 | 35.46 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.46 | 284 | 62273 | 34.00 | ng | # | 78 |
| 68) Atrazine | 11.52 | 200 | 57620 | 36.14 | ng | | 83 |
| 69) Pentachlorophenol | 11.65 | 266 | 62683 | 60.40 | ng | | 98 |
| 70) Phenanthrene | 11.88 | 178 | 305114 | 32.52 | ng | | 97 |
| 71) Anthracene | 11.93 | 178 | 329975 | 36.52 | ng | | 98 |
| 72) Carbazole | 12.08 | 167 | 286993 | 33.27 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.41 | 149 | 333186 | 33.43 | ng | # | 99 |
| 74) Fluoranthene | 13.14 | 202 | 341365 | 34.16 | ng | | 89 |
| 76) Benzidine | 13.26 | 184 | 209315 | 46.58 | ng | | 98 |
| 77) Pyrene | 13.40 | 202 | 347129 | 35.07 | ng | | 97 |
| 79) Butylbenzylphthalate | 14.09 | 149 | 135416 | 34.07 | ng | # | 82 |
| 80) Benzo(a)anthracene | 14.81 | 228 | 340928 | 34.81 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.76 | 252 | 82606 | 24.45 | ng | # | 95 |
| 82) Chrysene | 14.86 | 228 | 316631 | 35.06 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 14.79 | 149 | 208957 | 33.26 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 15.60 | 149 | 335896 | 31.20 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 18.52 | 276 | 367281 | 32.25 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 16.16 | 252 | 343589 | 36.95 | ng | # | 88 |
| 88) Benzo(k)fluoranthene | 16.20 | 252 | 308210 | 32.55 | ng | # | 89 |
| 89) Benzo(a)pyrene | 16.62 | 252 | 323690 | 36.66 | ng | # | 87 |
| 90) Dibenzo(a,h)anthracene | 18.54 | 278 | 310461 | 34.35 | ng | # | 82 |
| 91) Benzo(g,h,i)perylene | 19.07 | 276 | 310301 | 34.00 | ng | # | 78 |

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

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