Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA F\DATA\BF070916\
Data File : BF088866.D
Acq On : 9 Jul 2016 12:38
Operator : UM/SJ
Sample : PB91808BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB91808BS

**Manual Integrations**
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7/11/2016 7:15:33 PM

Quant Time: Jul 11 05:27:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 18:51:20 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 70015 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.00 | 136 | 259866 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.75 | 164 | 125556 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 257449 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.85 | 240 | 230937 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.22 | 264 | 201344 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 63378 | 13.57 | ng | | -0.02 |
| 7) Phenol-d6 | 6.34 | 99 | 76831 | 12.73 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 50916 | 10.27 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 20460 | 17.55 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 91441 | 11.50 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.81 | 244 | 101027 | 9.74 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.27 | 88 | 9182 | 3.96 | ng | # | 34 |
| 8) 2-Chlorophenol | 6.50 | 128 | 10620 | 2.12 | ng | | 83 |
| 12) 1,3-Dichlorobenzene | 6.66 | 146 | 11073m | 2.00 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.73 | 146 | 11237m | 2.05 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.89 | 146 | 11977 | 2.33 | ng | | 97 |
| 17) 2-Methylphenol | 6.98 | 107 | 8542 | 2.09 | ng | | 97 |
| 18) Hexachloroethane | 7.23 | 117 | 4486 | 2.11 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 8441 | 2.08 | ng | # | 87 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 11488 | 2.34 | ng | # | 83 |
| 22) Acetophenone | 7.13 | 105 | 16107 | 2.55 | ng | # | 91 |
| 24) Nitrobenzene | 7.29 | 77 | 11149 | 2.23 | ng | # | 79 |
| 25) Isophorone | 7.54 | 82 | 21862 | 2.38 | ng | | 99 |
| 26) 2-Nitrophenol | 7.62 | 139 | 4772 | 2.33 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 9820 | 2.30 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 14669 | 2.45 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 8545 | 2.48 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 9578 | 2.53 | ng | | 95 |
| 31) Naphthalene | 8.02 | 128 | 33107 | 2.58 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.15 | 225 | 5197 | 2.56 | ng | | 99 |
| 35) Caprolactam | 8.39 | 113 | 2564 | 2.19 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 10188 | 2.50 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 20711 | 2.51 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 8963 | 2.15 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.87 | 237 | 8585 | 4.19 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 8.99 | 196 | 6532 | 2.37 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.03 | 196 | 5527 | 2.33 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.18 | 154 | 27372 | 2.63 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.20 | 162 | 21102 | 2.59 | ng | | 99 |
| 47) 2-Nitroaniline | 9.29 | 65 | 5991 | 2.07 | ng | | 93 |
| 48) Acenaphthylene | 9.61 | 152 | 34633 | 2.67 | ng | | 98 |
| 49) Dimethylphthalate | 9.47 | 163 | 24128 | 2.70 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 4613 | 2.33 | ng | # | 33 |
| 51) Acenaphthene | 9.78 | 154 | 23430 | 2.94 | ng | | 98 |
| 52) 3-Nitroaniline | 9.70 | 138 | 5812 | 2.31 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 3207 | 3.66 | ng | # | 78 |
| 54) Dibenzofuran | 9.95 | 168 | 31365 | 3.01 | ng | | 92 |
| 55) 4-Nitrophenol | 9.86 | 139 | 11754 | 6.14 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 5959 | 2.30 | ng | # | 17 |
| 57) Fluorene | 10.30 | 166 | 25333 | 3.15 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 4591 | 2.50 | ng | # | 54 |
| 59) Diethylphthalate | 10.17 | 149 | 22967 | 2.56 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 10942 | 2.93 | ng | | 94 |
| 61) 4-Nitroaniline | 10.30 | 138 | 5060 | 2.09 | ng | | 76 |
| 62) Azobenzene | 10.44 | 77 | 26190 | 2.56 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 21293 | 2.44 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 5877 | 2.27 | ng | # | 65 |
| 67) Hexachlorobenzene | 10.84 | 284 | 7180 | 2.50 | ng | # | 80 |
| 68) Atrazine | 10.94 | 200 | 6726 | 2.48 | ng | | 95 |
| 69) Pentachlorophenol | 11.04 | 266 | 7220 | 4.25 | ng | | 93 |
| 70) Phenanthrene | 11.24 | 178 | 35615 | 2.53 | ng | | 98 |
| 71) Anthracene | 11.30 | 178 | 37879 | 2.71 | ng | | 98 |
| 72) Carbazole | 11.46 | 167 | 30274 | 2.30 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.81 | 149 | 37124 | 2.42 | ng | | 97 |
| 74) Fluoranthene | 12.43 | 202 | 35476 | 2.49 | ng | | 95 |
| 76) Benzidine | 12.56 | 184 | 25729 | 2.20 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.84 | 228 | 33482 | 2.25 | ng | | 98 |
| 82) Chrysene | 13.87 | 228 | 30640 | 2.08 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 20898 | 2.10 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 23833 | 2.11 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 30200m | 2.39 | ng | | |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 22980m | 2.09 | ng | | |
| 89) Benzo(a)pyrene | 15.17 | 252 | 24558 | 2.30 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 16.53 | 278 | 19711 | 2.21 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.89 | 276 | 19241 | 2.08 | ng | | 100 |

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

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