Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
Data File : BF084501.D
Acq On : 15 Jan 2016 20:02
Operator : SJ/UM
Sample : H1127-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CLAYMSD

Quant Time: Jan 16 02:55:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 16 01:26:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 265423 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.11 | 136 | 1115863 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 510793 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 870545 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 577490 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.40 | 264 | 556239 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 1792189 | 109.21 | ng | | 0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 2412765 | 117.07 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 1449265 | 72.28 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 539698 | 104.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 2490390 | 85.83 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 1967909 | 76.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.46 | 88 | 259728 | 33.41 | ng | # | 76 |
| 3) Pyridine | 3.18 | 79 | 657878 | 30.35 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.13 | 42 | 353701 | 31.79 | ng | | 92 |
| 6) Aniline | 6.49 | 93 | 458259 | 15.20 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.61 | 128 | 738290 | 39.66 | ng | | 97 |
| 9) Benzaldehyde | 6.36 | 77 | 110103 | 8.20 | ng | | 92 |
| 10) Phenol | 6.49 | 94 | 1000642 | 42.70 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 719135 | 39.62 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 725045m | 37.75 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 765480 | 39.75 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 647143 | 35.09 | ng | | 97 |
| 15) Benzyl Alcohol | 6.97 | 79 | 563579 | 32.51 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 1105558 | 33.45 | ng | | 88 |
| 17) 2-Methylphenol | 7.09 | 107 | 602296 | 38.60 | ng | | 95 |
| 18) Hexachloroethane | 7.33 | 117 | 276483 | 35.90 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 477943 | 34.26 | ng | # | 75 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 715097 | 38.99 | ng | # | 58 |
| 22) Acetophenone | 7.24 | 105 | 981210 | 36.57 | ng | # | 93 |
| 24) Nitrobenzene | 7.41 | 77 | 802450 | 39.46 | ng | | 91 |
| 25) Isophorone | 7.65 | 82 | 1399710 | 36.50 | ng | | 97 |
| 26) 2-Nitrophenol | 7.72 | 139 | 376667 | 40.70 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 658240 | 35.14 | ng | | 85 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 856847 | 36.58 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 583949 | 37.42 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 626137 | 38.87 | ng | | 96 |
| 31) Naphthalene | 8.13 | 128 | 1986529 | 39.24 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 266579 | 25.49 | ng | | 95 |
| 33) 4-Chloroaniline | 8.18 | 127 | 242417 | 10.44 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 324991 | 35.09 | ng | | 98 |
| 35) Caprolactam | 8.56 | 113 | 190980m | 36.30 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 667532 | 38.19 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 1302403 | 35.84 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 540258 | 36.79 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 451470 | 50.93 | ng | | 98 |

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**Instrument :** BNA_F
**ClientSampleId :** CLAYMSD

Quant Time: Jan 16 02:55:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 16 01:26:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.10 | 196 | 383443 | 34.90 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 382158 | 36.29 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 1439829 | 35.47 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.31 | 162 | 1122273 | 35.19 | ng | | 97 |
| 47) 2-Nitroaniline | 9.41 | 65 | 405993 | 38.58 | ng | | 95 |
| 48) Acenaphthylene | 9.73 | 152 | 1838539 | 39.03 | ng | | 98 |
| 49) Dimethylphthalate | 9.60 | 163 | 1816175 | 49.74 | ng | # | 89 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 290793 | 36.31 | ng | # | 47 |
| 51) Acenaphthene | 9.90 | 154 | 1312611 | 41.54 | ng | | 97 |
| 52) 3-Nitroaniline | 9.82 | 138 | 218394 | 22.01 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 214341 | 63.59 | ng | # | 75 |
| 54) Dibenzofuran | 10.08 | 168 | 1626423 | 39.37 | ng | | 98 |
| 55) 4-Nitrophenol | 10.01 | 139 | 561516 | 77.95 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 421896 | 41.62 | ng | # | 77 |
| 57) Fluorene | 10.42 | 166 | 1260777 | 39.55 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 315581 | 35.10 | ng | | 90 |
| 59) Diethylphthalate | 10.29 | 149 | 1288955 | 35.80 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204 | 549199 | 40.30 | ng | | 98 |
| 61) 4-Nitroaniline | 10.44 | 138 | 339753 | 38.41 | ng | # | 84 |
| 62) Azobenzene | 10.57 | 77 | 1422157 | 36.01 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 192038 | 36.18 | ng | # | 78 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 1173059 | 42.15 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.90 | 248 | 381490 | 40.71 | ng | # | 91 |
| 67) Hexachlorobenzene | 10.97 | 284 | 391153 | 37.09 | ng | # | 84 |
| 68) Atrazine | 11.06 | 200 | 341895 | 37.54 | ng | | 100 |
| 69) Pentachlorophenol | 11.16 | 266 | 389019 | 71.14 | ng | | 98 |
| 70) Phenanthrene | 11.38 | 178 | 1867033 | 41.00 | ng | | 97 |
| 71) Anthracene | 11.42 | 178 | 1680171 | 37.64 | ng | | 98 |
| 72) Carbazole | 11.58 | 167 | 1557582 | 35.69 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.92 | 149 | 1888411 | 39.40 | ng | # | 96 |
| 74) Fluoranthene | 12.56 | 202 | 1695722 | 35.65 | ng | | 96 |
| 76) Benzidine | 12.68 | 184 | 630963 | 30.47 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 1668318 | 36.81 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.41 | 149 | 790330 | 40.30 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 1251003 | 36.89 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.94 | 252 | 320247 | 27.06 | ng | # | 92 |
| 82) Chrysene | 14.02 | 228 | 1230648 | 37.77 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 958774 | 38.70 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 1660553 | 39.70 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.79 | 276 | 1248368 | 48.33 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 1257141m | 34.55 | ng | | |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 1108616m | 37.25 | ng | | |
| 89) Benzo(a)pyrene | 15.35 | 252 | 1154710 | 37.41 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.80 | 278 | 1050498 | 39.56 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.20 | 276 | 1026236 | 37.31 | ng | # | 95 |

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

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