Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
Data File : BF090086.D
Acq On : 15 Sep 2016 12:25
Operator : UM/SJ
Sample : PB93381BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB93381BS

**Manual Integrations APPROVED**
sohil
9/16/2016 11:34:53 AM

Quant Time: Sep 15 13:01:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 15 09:41:41 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.55 | 152 | 142239 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.84 | 136 | 583740 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.59 | 164 | 306273 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.05 | 188 | 485002 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.67 | 240 | 311819 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.99 | 264 | 260029 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.13 | 112 | 1118619 | 126.48 | ng | | 0.01 |
| 7) Phenol-d6 | 6.20 | 99 | 1324407 | 114.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.12 | 82 | 805070 | 77.54 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.36 | 330 | 298513 | 97.03 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.92 | 172 | 1433840 | 73.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.63 | 244 | 1099677 | 83.75 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.06 | 88 | 162575 | 35.21 | ng | | 99 |
| 3) Pyridine | 2.65 | 79 | 454458 | 38.93 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.62 | 42 | 138838 | 37.78 | ng | | 98 |
| 6) Aniline | 6.22 | 93 | 301183 | 20.96 | ng | # | 26 |
| 8) 2-Chlorophenol | 6.33 | 128 | 400428 | 39.30 | ng | | 95 |
| 9) Benzaldehyde | 6.09 | 77 | 41932 | 6.79 | ng | | 97 |
| 10) Phenol | 6.22 | 94 | 550916 | 42.39 | ng | # | 74 |
| 11) bis(2-Chloroethyl)ether | 6.30 | 93 | 416586 | 39.97 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.49 | 146 | 439616 | 41.94 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.57 | 146 | 443978 | 41.03 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.72 | 146 | 403302m | 41.02 | ng | | |
| 15) Benzyl Alcohol | 6.71 | 79 | 305343 | 46.83 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84 | 45 | 476128 | 38.55 | ng | | 97 |
| 17) 2-Methylphenol | 6.83 | 107 | 360988 | 43.31 | ng | | 97 |
| 18) Hexachloroethane | 7.06 | 117 | 159266 | 40.56 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 6.98 | 70 | 276407 | 38.42 | ng | | 98 |
| 20) 3+4-Methylphenols | 6.98 | 107 | 438067 | 44.91 | ng | # | 86 |
| 22) Acetophenone | 6.97 | 105 | 517786 | 36.64 | ng | # | 98 |
| 24) Nitrobenzene | 7.14 | 77 | 449217 | 41.08 | ng | | 90 |
| 25) Isophorone | 7.38 | 82 | 824877 | 37.94 | ng | | 98 |
| 26) 2-Nitrophenol | 7.46 | 139 | 231283 | 43.62 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 7.52 | 122 | 379250 | 40.65 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.61 | 93 | 548172 | 42.99 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.70 | 162 | 336172 | 40.79 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.78 | 180 | 322421 | 39.66 | ng | | 98 |
| 31) Naphthalene | 7.86 | 128 | 1265066 | 44.09 | ng | | 99 |
| 32) Benzoic acid | 7.63 | 122 | 119974 | 16.78 | ng | | 97 |
| 33) 4-Chloroaniline | 7.92 | 127 | 134444 | 11.01 | ng | | 96 |
| 34) Hexachlorobutadiene | 7.99 | 225 | 172053 | 41.33 | ng | | 99 |
| 35) Caprolactam | 8.28 | 113 | 127632m | 46.37 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.41 | 107 | 370272 | 38.70 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.55 | 142 | 707105 | 39.73 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.72 | 216 | 267267 | 33.94 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.71 | 237 | 290589 | 71.00 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.83 | 196 | 220179 | 38.57 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.88 | 196 | 230805 | 37.59 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 9.02 | 154 | 836697 | 33.39 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.04 | 162 | 720178 | 38.78 | ng | | 95 |
| 47) 2-Nitroaniline | 9.13 | 65 | 223641 | 37.72 | ng | # | 75 |
| 48) Acenaphthylene | 9.44 | 152 | 1091840 | 35.01 | ng | | 99 |
| 49) Dimethylphthalate | 9.32 | 163 | 798737 | 35.11 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.38 | 165 | 182530 | 35.91 | ng | | 92 |
| 51) Acenaphthene | 9.61 | 154 | 637796 | 36.62 | ng | | 100 |
| 52) 3-Nitroaniline | 9.54 | 138 | 107646 | 17.40 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 9.66 | 184 | 141020 | 51.02 | ng | | 91 |
| 54) Dibenzofuran | 9.79 | 168 | 985136 | 40.89 | ng | | 97 |
| 55) 4-Nitrophenol | 9.72 | 139 | 291353 | 66.94 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 9.78 | 165 | 233562 | 37.69 | ng | | 92 |
| 57) Fluorene | 10.12 | 166 | 661978 | 35.17 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.91 | 232 | 186273 | 39.78 | ng | | 100 |
| 59) Diethylphthalate | 10.02 | 149 | 774316 | 35.16 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.12 | 204 | 281942 | 37.94 | ng | | 96 |
| 61) 4-Nitroaniline | 10.16 | 138 | 215909 | 34.49 | ng | | 88 |
| 62) Azobenzene | 10.28 | 77 | 941720 | 40.75 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.18 | 198 | 102230 | 31.62 | ng | # | 43 |
| 65) n-Nitrosodiphenylamine | 10.25 | 169 | 703967 | 45.81 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.62 | 248 | 209530 | 44.82 | ng | # | 93 |
| 67) Hexachlorobenzene | 10.67 | 284 | 237009 | 43.02 | ng | # | 88 |
| 68) Atrazine | 10.78 | 200 | 196140 | 42.95 | ng | | 95 |
| 69) Pentachlorophenol | 10.87 | 266 | 242902 | 75.26 | ng | | 99 |
| 70) Phenanthrene | 11.07 | 178 | 973005 | 41.51 | ng | | 99 |
| 71) Anthracene | 11.13 | 178 | 1162544 | 45.43 | ng | | 100 |
| 72) Carbazole | 11.29 | 167 | 1155285 | 44.01 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.63 | 149 | 1224638 | 41.60 | ng | | 100 |
| 74) Fluoranthene | 12.25 | 202 | 1067498 | 43.47 | ng | | 99 |
| 76) Benzidine | 12.39 | 184 | 414859 | 32.62 | ng | | 96 |
| 77) Pyrene | 12.47 | 202 | 1007236 | 44.26 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.11 | 149 | 488427 | 43.10 | ng | # | 72 |
| 80) Benzo(a)anthracene | 13.66 | 228 | 788577 | 43.32 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.62 | 252 | 115214 | 15.10 | ng | # | 95 |
| 82) Chrysene | 13.69 | 228 | 797673 | 45.01 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.68 | 149 | 593705 | 42.36 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.29 | 149 | 940908 | 37.55 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.17 | 276 | 739792 | 49.87 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.64 | 252 | 594219m | 38.98 | ng | | |
| 88) Benzo(k)fluoranthene | 14.66 | 252 | 621790m | 45.31 | ng | | |
| 89) Benzo(a)pyrene | 14.94 | 252 | 600569 | 43.93 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.19 | 278 | 622686 | 58.16 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.53 | 276 | 639681 | 62.61 | ng | | 100 |

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

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