Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081523.D
Acq On : 8 Sep 2015 15:31
Operator : UM/IZ
Sample : PB85437BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB85437BSD

**Manual Integrations APPROVED**
MMDadoda
9/9/2015 2:57:41 PM

Quant Time: Sep 09 00:27:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 23:43:58 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.34 | 152 | 47990 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.63 | 136 | 184424 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.38 | 164 | 93015 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 10.84 | 188 | 194870 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.45 | 240 | 161303 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 14.75 | 264 | 99166 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.90 | 112 | 224321 | 72.52 | ng | | 0.02 |
| 7) Phenol-d6 | 6.02 | 99 | 322342 | 78.73 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.92 | 82 | 266755 | 69.79 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.16 | 330 | 57001 | 68.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.72 | 172 | 469502 | 64.68 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.42 | 244 | 441832 | 63.76 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.75 | 88 | 40841 | 29.40 | ng | # | 79 |
| 3) Pyridine | 2.27 | 79 | 130065 | 33.95 | ng | # | 75 |
| 4) n-Nitrosodimethylamine | 2.24 | 42 | 80539 | 37.85 | ng | # | 67 |
| 6) Aniline | 6.01 | 93 | 139648 | 24.15 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.14 | 128 | 123770 | 36.31 | ng | | 96 |
| 9) Benzaldehyde | 5.88 | 77 | 71472 | 27.86 | ng | # | 83 |
| 10) Phenol | 6.03 | 94 | 191331 | 40.30 | ng | # | 60 |
| 11) bis(2-Chloroethyl)ether | 6.10 | 93 | 133692 | 39.03 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.28 | 146 | 131451 | 36.10 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.36 | 146 | 137194 | 37.00 | ng | # | 89 |
| 14) 1,2-Dichlorobenzene | 6.51 | 146 | 115236m | 34.52 | ng | | |
| 15) Benzyl Alcohol | 6.51 | 79 | 119243 | 35.50 | ng | # | 71 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.65 | 45 | 260406 | 39.66 | ng | # | 12 |
| 17) 2-Methylphenol | 6.65 | 107 | 103731 | 38.14 | ng | # | 76 |
| 18) Hexachloroethane | 6.86 | 117 | 52370 | 36.30 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 6.79 | 70 | 95811 | 34.38 | ng | # | 89 |
| 20) 3+4-Methylphenols | 6.81 | 107 | 138815 | 37.86 | ng | | 88 |
| 22) Acetophenone | 6.78 | 105 | 185706 | 36.87 | ng | # | 76 |
| 24) Nitrobenzene | 6.95 | 77 | 160524 | 40.44 | ng | # | 68 |
| 25) Isophorone | 7.19 | 82 | 260838 | 36.69 | ng | # | 82 |
| 26) 2-Nitrophenol | 7.27 | 139 | 66307 | 38.32 | ng | # | 55 |
| 27) 2,4-Dimethylphenol | 7.34 | 122 | 107540 | 35.99 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 7.42 | 93 | 150931 | 36.75 | ng | # | 90 |
| 29) 2,4-Dichlorophenol | 7.52 | 162 | 99680 | 38.47 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.59 | 180 | 108272 | 38.46 | ng | | 98 |
| 31) Naphthalene | 7.66 | 128 | 346523 | 35.23 | ng | | 98 |
| 32) Benzoic acid | 7.47 | 122 | 47354 | 23.56 | ng | # | 61 |
| 33) 4-Chloroaniline | 7.72 | 127 | 76603 | 19.09 | ng | # | 83 |
| 34) Hexachlorobutadiene | 7.78 | 225 | 63762 | 37.22 | ng | | 97 |
| 35) Caprolactam | 8.10 | 113 | 31024m | 39.04 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.24 | 107 | 121036 | 41.73 | ng | | 84 |
| 37) 2-Methylnaphthalene | 8.35 | 142 | 256520 | 40.08 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.51 | 216 | 95779 | 32.56 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.50 | 237 | 99678 | 69.05 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.64 | 196 | 68553 | 33.77 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.68 | 196 | 78765 | 38.03 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 8.82 | 154 | 277132 | 32.38 | ng | | 95 |
| 46) 2-Chloronaphthalene | 8.83 | 162 | 225538 | 36.50 | ng | # | 91 |
| 47) 2-Nitroaniline | 8.95 | 65 | 93294 | 37.04 | ng | # | 78 |
| 48) Acenaphthylene | 9.23 | 152 | 358521 | 32.70 | ng | | 97 |
| 49) Dimethylphthalate | 9.13 | 163 | 251166 | 34.75 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.19 | 165 | 50005 | 30.49 | ng | # | 5 |
| 51) Acenaphthene | 9.42 | 154 | 213329 | 34.20 | ng | | 92 |
| 52) 3-Nitroaniline | 9.35 | 138 | 37941 | 20.32 | ng | # | 29 |
| 53) 2,4-Dinitrophenol | 9.47 | 184 | 50935 | 73.73 | ng | # | 76 |
| 54) Dibenzofuran | 9.59 | 168 | 322447 | 35.41 | ng | | 92 |
| 55) 4-Nitrophenol | 9.55 | 139 | 92595 | 78.93 | ng | # | 33 |
| 56) 2,4-Dinitrotoluene | 9.59 | 165 | 69087 | 33.08 | ng | # | 18 |
| 57) Fluorene | 9.92 | 166 | 247933 | 35.87 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.71 | 232 | 66142 | 41.83 | ng | | 96 |
| 59) Diethylphthalate | 9.83 | 149 | 281436 | 37.02 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 9.93 | 204 | 118387 | 36.75 | ng | | 92 |
| 61) 4-Nitroaniline | 9.96 | 138 | 65833 | 34.90 | ng | # | 29 |
| 62) Azobenzene | 10.08 | 77 | 312195 | 36.94 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 10.00 | 198 | 36962 | 33.91 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 10.04 | 169 | 215227 | 30.35 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 10.41 | 248 | 71857 | 36.47 | ng | # | 85 |
| 67) Hexachlorobenzene | 10.47 | 284 | 69619 | 33.79 | ng | # | 75 |
| 68) Atrazine | 10.58 | 200 | 67718 | 33.00 | ng | | 81 |
| 69) Pentachlorophenol | 10.66 | 266 | 66274 | 67.60 | ng | | 99 |
| 70) Phenanthrene | 10.87 | 178 | 401398 | 37.05 | ng | | 96 |
| 71) Anthracene | 10.91 | 178 | 356799 | 32.06 | ng | | 98 |
| 72) Carbazole | 11.08 | 167 | 390125 | 37.35 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.44 | 149 | 489127 | 39.66 | ng | # | 99 |
| 74) Fluoranthene | 12.03 | 202 | 387303 | 33.02 | ng | | 92 |
| 76) Benzidine | 12.18 | 184 | 199645 | 28.83 | ng | | 97 |
| 77) Pyrene | 12.26 | 202 | 456804 | 38.23 | ng | | 98 |
| 79) Butylbenzylphthalate | 12.91 | 149 | 194243 | 37.38 | ng | | 93 |
| 80) Benzo(a)anthracene | 13.44 | 228 | 354146 | 34.48 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.42 | 252 | 56378 | 16.27 | ng | # | 96 |
| 82) Chrysene | 13.47 | 228 | 262537 | 28.51 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 13.47 | 149 | 228030 | 33.25 | ng | # | 89 |
| 84) Di-n-octyl phthalate | 14.08 | 149 | 339048 | 30.03 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 15.83 | 276 | 207204 | 30.67 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 14.43 | 252 | 307041m | 43.37 | ng | | |
| 88) Benzo(k)fluoranthene | 14.46 | 252 | 214865m | 36.58 | ng | | |
| 89) Benzo(a)pyrene | 14.71 | 252 | 219091 | 36.52 | ng | # | 86 |
| 90) Dibenzo(a,h)anthracene | 15.84 | 278 | 174903 | 37.73 | ng | # | 78 |
| 91) Benzo(g,h,i)perylene | 16.14 | 276 | 173246 | 39.16 | ng | # | 76 |

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

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