Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081475.D
Acq On : 5 Sep 2015 20:57
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 07 04:15:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
9/8/2015 3:56:49 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.36 | 152 | 69405 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.66 | 136 | 269760 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.39 | 164 | 125840 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 10.86 | 188 | 252684 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.46 | 240 | 183069 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 14.77 | 264 | 127738 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.89 | 112 | 363620 | 81.29 | ng | | -0.03 |
| 7) Phenol-d6 | 6.03 | 99 | 461191 | 77.89 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 6.95 | 82 | 473747 | 84.73 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.18 | 330 | 94692 | 84.51 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.73 | 172 | 746950 | 76.07 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.43 | 244 | 621148 | 78.98 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.67 | 88 | 76448 | 38.05 | ng | | 93 |
| 3) Pyridine | 2.22 | 79 | 222918 | 40.24 | ng | # | 91 |
| 4) n-Nitrosodimethylamine | 2.19 | 42 | 135043 | 43.88 | ng | # | 78 |
| 6) Aniline | 6.02 | 93 | 330526 | 39.53 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.15 | 128 | 198079 | 40.18 | ng | | 90 |
| 9) Benzaldehyde | 5.90 | 77 | 141454 | 38.13 | ng | # | 79 |
| 10) Phenol | 6.04 | 94 | 269933 | 39.31 | ng | # | 50 |
| 11) bis(2-Chloroethyl)ether | 6.11 | 93 | 188131 | 37.97 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 6.30 | 146 | 214831 | 40.79 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 6.38 | 146 | 215174 | 40.13 | ng | # | 89 |
| 14) 1,2-Dichlorobenzene | 6.54 | 146 | 178220 | 36.91 | ng | | 97 |
| 15) Benzyl Alcohol | 6.52 | 79 | 190365 | 39.19 | ng | # | 71 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.67 | 45 | 382183 | 40.25 | ng | | 83 |
| 17) 2-Methylphenol | 6.66 | 107 | 163968 | 41.69 | ng | # | 75 |
| 18) Hexachloroethane | 6.87 | 117 | 81459 | 39.04 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 6.81 | 70 | 153478 | 38.08 | ng | # | 86 |
| 20) 3+4-Methylphenols | 6.82 | 107 | 208569 | 39.33 | ng | | 88 |
| 22) Acetophenone | 6.80 | 105 | 301571 | 40.93 | ng | # | 82 |
| 24) Nitrobenzene | 6.96 | 77 | 207238 | 35.69 | ng | # | 60 |
| 25) Isophorone | 7.21 | 82 | 420116 | 40.40 | ng | # | 85 |
| 26) 2-Nitrophenol | 7.28 | 139 | 104224 | 41.18 | ng | # | 41 |
| 27) 2,4-Dimethylphenol | 7.35 | 122 | 181025 | 41.41 | ng | # | 82 |
| 28) bis(2-Chloroethoxy)methane | 7.44 | 93 | 235247 | 39.16 | ng | # | 94 |
| 29) 2,4-Dichlorophenol | 7.53 | 162 | 156306 | 41.24 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.60 | 180 | 167809 | 40.75 | ng | | 96 |
| 31) Naphthalene | 7.67 | 128 | 533311 | 37.07 | ng | | 97 |
| 32) Benzoic acid | 7.51 | 122 | 95473 | 31.52 | ng | # | 52 |
| 33) 4-Chloroaniline | 7.74 | 127 | 212192 | 36.16 | ng | # | 79 |
| 34) Hexachlorobutadiene | 7.80 | 225 | 103367 | 41.25 | ng | | 99 |
| 35) Caprolactam | 8.14 | 113 | 44699 | 38.45 | ng | # | 19 |
| 36) 4-Chloro-3-methylphenol | 8.25 | 107 | 175673 | 41.41 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.36 | 142 | 389364 | 41.59 | ng | # | 89 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.54 | 216 | 145751 | 36.62 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.51 | 237 | 66754 | 34.18 | ng | | 97 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.65 | 196 | 105376 | 38.37 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.70 | 196 | 111654 | 39.85 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 8.83 | 154 | 485059 | 41.90 | ng | | 96 |
| 46) 2-Chloronaphthalene | 8.84 | 162 | 305122 | 36.49 | ng | # | 88 |
| 47) 2-Nitroaniline | 8.96 | 65 | 154137 | 45.23 | ng | # | 67 |
| 48) Acenaphthylene | 9.26 | 152 | 596883 | 40.24 | ng | | 98 |
| 49) Dimethylphthalate | 9.15 | 163 | 394099 | 40.31 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.21 | 165 | 89833 | 40.48 | ng | # | 77 |
| 51) Acenaphthene | 9.43 | 154 | 352507 | 41.78 | ng | | 91 |
| 52) 3-Nitroaniline | 9.37 | 138 | 97766 | 38.70 | ng | # | 48 |
| 53) 2,4-Dinitrophenol | 9.48 | 184 | 30207 | 32.32 | ng | # | 71 |
| 54) Dibenzofuran | 9.60 | 168 | 499898 | 40.57 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.56 | 139 | 55357m | 34.88 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.60 | 165 | 109385 | 38.71 | ng | # | 6 |
| 57) Fluorene | 9.93 | 166 | 338833 | 36.24 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.72 | 232 | 91579 | 42.81 | ng | | 93 |
| 59) Diethylphthalate | 9.84 | 149 | 368255 | 35.81 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 9.94 | 204 | 181627 | 41.68 | ng | | 98 |
| 61) 4-Nitroaniline | 9.98 | 138 | 92973 | 36.43 | ng | # | 20 |
| 62) Azobenzene | 10.09 | 77 | 407219 | 35.61 | ng | # | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 10.01 | 198 | 56358 | 39.88 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 10.07 | 169 | 346820 | 37.72 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 10.42 | 248 | 104495 | 40.90 | ng | | 95 |
| 67) Hexachlorobenzene | 10.48 | 284 | 106241 | 39.77 | ng | # | 77 |
| 68) Atrazine | 10.60 | 200 | 109376 | 41.11 | ng | | 82 |
| 69) Pentachlorophenol | 10.67 | 266 | 51817 | 44.23 | ng | | 99 |
| 70) Phenanthrene | 10.88 | 178 | 511795 | 36.43 | ng | | 96 |
| 71) Anthracene | 10.94 | 178 | 514967 | 35.68 | ng | | 99 |
| 72) Carbazole | 11.10 | 167 | 522042 | 38.55 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.45 | 149 | 671608 | 42.00 | ng | # | 99 |
| 74) Fluoranthene | 12.04 | 202 | 553837 | 36.42 | ng | | 91 |
| 76) Benzidine | 12.19 | 184 | 275074 | 35.00 | ng | | 98 |
| 77) Pyrene | 12.27 | 202 | 582161 | 42.93 | ng | | 98 |
| 79) Butylbenzylphthalate | 12.93 | 149 | 271584 | 46.05 | ng | | 90 |
| 80) Benzo(a)anthracene | 13.45 | 228 | 441201 | 37.84 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.43 | 252 | 127656 | 32.46 | ng | | 97 |
| 82) Chrysene | 13.49 | 228 | 359271 | 34.38 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 13.49 | 149 | 314322 | 40.39 | ng | # | 88 |
| 84) Di-n-octyl phthalate | 14.09 | 149 | 465435 | 36.32 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 15.84 | 276 | 331282 | 43.21 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 14.45 | 252 | 390413m | 42.81 | ng | | |
| 88) Benzo(k)fluoranthene | 14.47 | 252 | 274094m | 36.22 | ng | | |
| 89) Benzo(a)pyrene | 14.72 | 252 | 288258 | 37.30 | ng | # | 86 |
| 90) Dibenzo(a,h)anthracene | 15.85 | 278 | 274905 | 46.04 | ng | # | 83 |
| 91) Benzo(g,h,i)perylene | 16.16 | 276 | 271735 | 47.68 | ng | # | 77 |

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

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