Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031015\
Data File : BF077679.D
Acq On : 10 Mar 2015 23:51
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

**Manual Integrations APPROVED**
mohammad
3/12/2015 2:22:17 PM

Quant Time: Mar 11 02:46:19 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 11 00:54:19 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.18 | 152 | 47722 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.76 | 136 | 200538 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.93 | 164 | 101461 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.77 | 188 | 227251 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.05 | 240 | 224954 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 17.75 | 264 | 221780 | 20.00 | ng | | -0.16 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 239544 | 83.80 | ng | | 0.00 |
| 7) Phenol-d6 | 6.75 | 99 | 286301 | 77.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.88 | 82 | 257945 | 79.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.91 | 330 | 42915 | 43.93 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.11 | 172 | 558289 | 85.80 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.77 | 244 | 660662 | 68.66 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.08 | 88 | 51579 | 42.52 | ng | | 92 |
| 3) Pyridine | 2.80 | 79 | 166294 | 47.92 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.71 | 42 | 68096 | 45.13 | ng | | 87 |
| 6) Aniline | 6.77 | 93 | 200333 | 39.44 | ng | # | 73 |
| 8) 2-Chlorophenol | 6.92 | 128 | 133374 | 39.55 | ng | | 84 |
| 9) Benzaldehyde | 6.63 | 77 | 104120 | 46.66 | ng | | 93 |
| 10) Phenol | 6.77 | 94 | 165756 | 38.01 | ng | # | 32 |
| 11) bis(2-Chloroethyl)ether | 6.88 | 93 | 124048 | 39.59 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.11 | 146 | 143380 | 39.05 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.21 | 146 | 147716 | 39.54 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.39 | 146 | 141208 | 39.74 | ng | | 99 |
| 15) Benzyl Alcohol | 7.37 | 79 | 105768 | 37.86 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.55 | 45 | 158726 | 35.43 | ng | | 100 |
| 17) 2-Methylphenol | 7.52 | 107 | 102632 | 38.94 | ng | | 97 |
| 18) Hexachloroethane | 7.81 | 117 | 47484 | 38.06 | ng | # | 78 |
| 19) n-Nitroso-di-n-propylamine | 7.70 | 70 | 87791 | 37.61 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.71 | 107 | 135609 | 39.06 | ng | # | 73 |
| 22) Acetophenone | 7.70 | 105 | 183334 | 38.86 | ng | # | 82 |
| 24) Nitrobenzene | 7.90 | 77 | 131501 | 38.76 | ng | | 98 |
| 25) Isophorone | 8.20 | 82 | 240983 | 37.67 | ng | | 97 |
| 26) 2-Nitrophenol | 8.29 | 139 | 55721 | 40.07 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 8.36 | 122 | 120048 | 38.58 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.48 | 93 | 148223 | 36.67 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.59 | 162 | 117004 | 40.06 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 8.69 | 180 | 118871 | 37.02 | ng | | 98 |
| 31) Naphthalene | 8.79 | 128 | 377500 | 37.64 | ng | | 99 |
| 32) Benzoic acid | 8.50 | 122 | 8942m | 5.91 | ng | | |
| 33) 4-Chloroaniline | 8.86 | 127 | 173537 | 38.92 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.94 | 225 | 66008 | 36.01 | ng | | 99 |
| 35) Caprolactam | 9.29 | 113 | 34411 | 38.60 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 9.47 | 107 | 115076 | 39.19 | ng | | 95 |
| 37) 2-Methylnaphthalene | 9.65 | 142 | 258079 | 36.24 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.85 | 216 | 118304 | 40.64 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.84 | 237 | 30948 | 19.83 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.00 | 196 | 68047 | 35.30 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 10.05 | 196 | 89912 | 43.61 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 10.23 | 154 | 311003 | 40.46 | ng | | 97 |
| 46) 2-Chloronaphthalene | 10.25 | 162 | 254946 | 42.29 | ng | | 97 |
| 47) 2-Nitroaniline | 10.38 | 65 | 68106 | 45.89 | ng | | 97 |
| 48) Acenaphthylene | 10.76 | 152 | 400719 | 41.99 | ng | | 99 |
| 49) Dimethylphthalate | 10.62 | 163 | 272884 | 38.26 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.69 | 165 | 62828 | 43.93 | ng | | 97 |
| 51) Acenaphthene | 10.97 | 154 | 230475 | 40.47 | ng | | 99 |
| 52) 3-Nitroaniline | 10.89 | 138 | 74866 | 45.40 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 11.03 | 184 | 1094 | 2.51 | ng | # | 54 |
| 54) Dibenzofuran | 11.19 | 168 | 352880 | 40.13 | ng | | 99 |
| 55) 4-Nitrophenol | 11.11 | 139 | 37418 | 28.21 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 11.18 | 165 | 81917 | 42.39 | ng | # | 88 |
| 57) Fluorene | 11.61 | 166 | 289039 | 41.11 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.34 | 232 | 29318 | 17.69 | ng | | 98 |
| 59) Diethylphthalate | 11.49 | 149 | 281140 | 39.98 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.62 | 204 | 133076 | 39.29 | ng | | 92 |
| 61) 4-Nitroaniline | 11.64 | 138 | 81318 | 51.45 | ng | | 90 |
| 62) Azobenzene | 11.82 | 77 | 258015 | 38.68 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 11.68 | 198 | 2981 | 6.75 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 11.77 | 169 | 249692 | 33.11 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.23 | 248 | 89654 | 33.69 | ng | | 94 |
| 67) Hexachlorobenzene | 12.28 | 284 | 98095 | 34.34 | ng | | 98 |
| 68) Atrazine | 12.44 | 200 | 82221 | 33.54 | ng | | 98 |
| 69) Pentachlorophenol | 12.54 | 266 | 7939 | 5.29 | ng | | 99 |
| 70) Phenanthrene | 12.80 | 178 | 480100 | 36.45 | ng | | 100 |
| 71) Anthracene | 12.86 | 178 | 491037 | 37.57 | ng | | 98 |
| 72) Carbazole | 13.07 | 167 | 482198 | 38.80 | ng | | 100 |
| 73) Di-n-butylphthalate | 13.53 | 149 | 531139 | 36.39 | ng | | 97 |
| 74) Fluoranthene | 14.27 | 202 | 490848 | 34.12 | ng | | 98 |
| 76) Benzidine | 14.46 | 184 | 379715 | 49.96 | ng | | 99 |
| 77) Pyrene | 14.55 | 202 | 523493 | 38.04 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.38 | 149 | 216314 | 38.21 | ng | # | 84 |
| 80) Benzo(a)anthracene | 16.04 | 228 | 496182 | 37.63 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.02 | 252 | 180326 | 37.33 | ng | # | 97 |
| 82) Chrysene | 16.08 | 228 | 470262 | 37.99 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 16.10 | 149 | 310573 | 34.21 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 16.88 | 149 | 529656 | 34.95 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 19.15 | 276 | 549406m | 38.92 | ng | | |
| 87) Benzo(b)fluoranthene | 17.32 | 252 | 542121 | 42.04 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 17.35 | 252 | 416313m | 32.94 | ng | | |
| 89) Benzo(a)pyrene | 17.69 | 252 | 480073 | 39.08 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 19.18 | 278 | 462534 | 39.48 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 19.56 | 276 | 465400 | 39.36 | ng | | 96 |

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

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