Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031115\
Data File : BF077697.D
Acq On : 11 Mar 2015 20:00
Operator : TP/IZ
Sample : G1475-01MS
Misc : S
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** FK-GF-01-012-AMS

**Manual Integrations APPROVED**
mohammad
3/13/2015 9:40:27 AM

Quant Time: Mar 12 05:46:16 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 12 02:24:12 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.17 | 152 | 57956 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.75 | 136 | 218473 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.91 | 164 | 114329 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.75 | 188 | 225195 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.03 | 240 | 234768 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.79 | 264 | 226528 | 20.00 | ng | | 0.07 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 315951 | 95.16 | ng | | 0.00 |
| 7) Phenol-d6 | 6.74 | 99 | 423481 | 103.23 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.86 | 82 | 205476 | 61.65 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.89 | 330 | 104058 | 95.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.09 | 172 | 455900 | 58.60 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.75 | 244 | 564929 | 58.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.06 | 88 | 37722 | 25.02 | ng | # | 100 |
| 3) Pyridine | 2.76 | 79 | 107859 | 26.63 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.68 | 42 | 51138 | 29.00 | ng | | 84 |
| 6) Aniline | 6.75 | 93 | 132226 | 22.53 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.90 | 128 | 121787 | 30.82 | ng | | 97 |
| 9) Benzaldehyde | 6.61 | 77 | 12931 | 7.69 | ng | | 99 |
| 10) Phenol | 6.75 | 94 | 157546 | 32.49 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.86 | 93 | 109754 | 30.22 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.09 | 146 | 127320 | 28.96 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.20 | 146 | 123393 | 27.02 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.38 | 146 | 110575 | 26.41 | ng | | 98 |
| 15) Benzyl Alcohol | 7.36 | 79 | 88692 | 27.70 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.54 | 45 | 128766 | 26.31 | ng | | 99 |
| 17) 2-Methylphenol | 7.50 | 107 | 88902 | 27.63 | ng | | 99 |
| 18) Hexachloroethane | 7.79 | 117 | 39246 | 26.20 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70 | 75852 | 26.73 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.70 | 107 | 119450 | 28.29 | ng | | 98 |
| 22) Acetophenone | 7.68 | 105 | 149542 | 30.92 | ng | # | 98 |
| 24) Nitrobenzene | 7.88 | 77 | 104023 | 28.97 | ng | | 98 |
| 25) Isophorone | 8.18 | 82 | 195636 | 29.07 | ng | # | 90 |
| 26) 2-Nitrophenol | 8.28 | 139 | 54484 | 30.99 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 8.35 | 122 | 93497 | 29.20 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.46 | 93 | 124836 | 30.56 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.58 | 162 | 98230 | 32.18 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.68 | 180 | 100390 | 29.39 | ng | | 98 |
| 31) Naphthalene | 8.77 | 128 | 322872 | 28.77 | ng | | 100 |
| 32) Benzoic acid | 8.44 | 122 | 34659 | 21.24 | ng | | 89 |
| 33) 4-Chloroaniline | 8.85 | 127 | 101684 | 22.33 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.93 | 225 | 52859 | 27.31 | ng | | 98 |
| 35) Caprolactam | 9.25 | 113 | 28124 | 31.52 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 9.46 | 107 | 96636 | 31.46 | ng | | 97 |
| 37) 2-Methylnaphthalene | 9.63 | 142 | 226069 | 29.99 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.84 | 216 | 97918 | 28.71 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.82 | 237 | 91667 | 54.74 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.98 | 196 | 67666 | 28.65 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 10.03 | 196 | 74079 | 29.03 | ng | | 98 |
| 45) 1,1'-Biphenyl | 10.21 | 154 | 262616 | 28.73 | ng | | 99 |
| 46) 2-Chloronaphthalene | 10.22 | 162 | 203959 | 27.46 | ng | # | 92 |
| 47) 2-Nitroaniline | 10.36 | 65 | 59446 | 32.23 | ng | | 96 |
| 48) Acenaphthylene | 10.74 | 152 | 334412 | 27.08 | ng | | 99 |
| 49) Dimethylphthalate | 10.60 | 163 | 264573 | 31.20 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.67 | 165 | 54873 | 31.22 | ng | | 92 |
| 51) Acenaphthene | 10.96 | 154 | 193282 | 27.29 | ng | | 98 |
| 52) 3-Nitroaniline | 10.88 | 138 | 52014 | 25.48 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 11.00 | 184 | 33432 | 54.62 | ng | | 97 |
| 54) Dibenzofuran | 11.17 | 168 | 302936 | 28.84 | ng | | 99 |
| 55) 4-Nitrophenol | 11.09 | 139 | 98852 | 65.37 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 11.16 | 165 | 69525 | 30.33 | ng | # | 91 |
| 57) Fluorene | 11.60 | 166 | 246016 | 28.21 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.32 | 232 | 61199 | 31.15 | ng | # | 100 |
| 59) Diethylphthalate | 11.48 | 149 | 241993 | 29.29 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.61 | 204 | 112879 | 28.36 | ng | | 96 |
| 61) 4-Nitroaniline | 11.62 | 138 | 56570 | 27.81 | ng | | 79 |
| 62) Azobenzene | 11.80 | 77 | 219959 | 27.86 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 11.67 | 198 | 29473 | 29.53 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 11.76 | 169 | 212565 | 28.35 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.21 | 248 | 67917 | 28.26 | ng | | 95 |
| 67) Hexachlorobenzene | 12.27 | 284 | 74282 | 28.13 | ng | | 93 |
| 68) Atrazine | 12.43 | 200 | 69241 | 32.95 | ng | | 98 |
| 69) Pentachlorophenol | 12.52 | 266 | 80024 | 58.71 | ng | | 98 |
| 70) Phenanthrene | 12.79 | 178 | 367465 | 28.42 | ng | | 100 |
| 71) Anthracene | 12.84 | 178 | 358924 | 28.10 | ng | | 99 |
| 72) Carbazole | 13.05 | 167 | 337950 | 27.82 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.51 | 149 | 392584 | 28.82 | ng | | 99 |
| 74) Fluoranthene | 14.26 | 202 | 386963 | 27.14 | ng | | 99 |
| 76) Benzidine | 14.43 | 184 | 174105 | 29.86 | ng | | 99 |
| 77) Pyrene | 14.53 | 202 | 414513 | 28.08 | ng | | 100 |
| 79) Butylbenzylphthalate | 15.37 | 149 | 170578 | 29.31 | ng | | 98 |
| 80) Benzo(a)anthracene | 16.02 | 228 | 377195 | 27.10 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.01 | 252 | 110229 | 24.01 | ng | # | 98 |
| 82) Chrysene | 16.07 | 228 | 357833 | 28.60 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.09 | 149 | 257078 | 29.16 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 16.89 | 149 | 428032 | 28.39 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 19.17 | 276 | 412205m | 26.39 | ng | | |
| 87) Benzo(b)fluoranthene | 17.33 | 252 | 451866 | 30.56 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 17.37 | 252 | 273566m | 23.68 | ng | | |
| 89) Benzo(a)pyrene | 17.72 | 252 | 358967 | 29.09 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 19.21 | 278 | 340116 | 27.79 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 19.59 | 276 | 340030 | 27.29 | ng | | 99 |

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

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