Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085828.D
Acq On : 29 Mar 2016 3:49
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/29/2016 12:03:42 PM

Quant Time: Mar 29 04:55:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 124557 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.10 | 136 | 507087 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 216329 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 377093 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.98 | 240 | 246163 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.40 | 264 | 246417 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 600300 | 80.26 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 777190 | 81.73 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 687576 | 76.36 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 157331 | 76.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 1074883 | 83.02 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.93 | 244 | 957628 | 80.01 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 152003 | 42.56 | ng | | 99 |
| 3) Pyridine | 3.09 | 79 | 395485 | 46.19 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.04 | 42 | 153043 | 44.65 | ng | | 99 |
| 6) Aniline | 6.48 | 93 | 521871 | 40.77 | ng | | 99 |
| 8) 2-Chlorophenol | 6.61 | 128 | 350425 | 40.33 | ng | | 92 |
| 9) Benzaldehyde | 6.37 | 77 | 219219 | 38.26 | ng | | 91 |
| 10) Phenol | 6.47 | 94 | 467835 | 43.43 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 343195 | 41.40 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 383438 | 40.98 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 399437 | 42.09 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 335665 | 37.95 | ng | | 94 |
| 15) Benzyl Alcohol | 6.96 | 79 | 242398 | 38.21 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 421339 | 38.30 | ng | | 96 |
| 17) 2-Methylphenol | 7.08 | 107 | 281208 | 40.42 | ng | | 99 |
| 18) Hexachloroethane | 7.33 | 117 | 140209 | 40.35 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 202025 | 35.48 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 308486 | 36.88 | ng | | 97 |
| 22) Acetophenone | 7.24 | 105 | 462868 | 39.18 | ng | # | 96 |
| 24) Nitrobenzene | 7.41 | 77 | 400500 | 43.15 | ng | | 96 |
| 25) Isophorone | 7.65 | 82 | 673030 | 38.80 | ng | | 97 |
| 26) 2-Nitrophenol | 7.73 | 139 | 193839 | 41.74 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 300472 | 37.02 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 375635 | 38.00 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 278831 | 40.86 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 300941 | 39.73 | ng | | 97 |
| 31) Naphthalene | 8.13 | 128 | 1001539 | 39.20 | ng | | 100 |
| 32) Benzoic acid | 7.89 | 122 | 197305m | 36.60 | ng | | |
| 33) 4-Chloroaniline | 8.18 | 127 | 400123 | 38.35 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 155878 | 37.86 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 83895 | 34.71 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 288114 | 36.15 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 590456 | 38.21 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 273687 | 42.66 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.97 | 237 | 45041 | 24.10 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.10 | 196 | 179620 | 41.46 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 181793 | 40.01 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.28 | 154 | 722114 | 39.56 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 541342 | 40.33 | ng | # | 91 |
| 47) 2-Nitroaniline | 9.41 | 65 | 179264 | 43.67 | ng | | 99 |
| 48) Acenaphthylene | 9.72 | 152 | 884271 | 40.43 | ng | | 99 |
| 49) Dimethylphthalate | 9.59 | 163 | 711769 | 43.37 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 130942 | 37.07 | ng | | 94 |
| 51) Acenaphthene | 9.89 | 154 | 531454 | 39.78 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 167178 | 41.34 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 16856 | 14.77 | ng | # | 81 |
| 54) Dibenzofuran | 10.06 | 168 | 681009 | 39.39 | ng | | 94 |
| 55) 4-Nitrophenol | 9.99 | 139 | 87494 | 33.21 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 191745 | 42.70 | ng | # | 85 |
| 57) Fluorene | 10.40 | 166 | 548380 | 38.15 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 115580 | 36.60 | ng | | 98 |
| 59) Diethylphthalate | 10.29 | 149 | 680309 | 41.95 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 303597 | 43.20 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.44 | 138 | 166245 | 42.98 | ng | | 95 |
| 62) Azobenzene | 10.56 | 77 | 665203 | 42.69 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 34718 | 15.72 | ng | # | 55 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 481979 | 40.35 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 165979 | 43.02 | ng | # | 84 |
| 67) Hexachlorobenzene | 10.96 | 284 | 165612 | 41.05 | ng | # | 86 |
| 68) Atrazine | 11.05 | 200 | 161883 | 40.15 | ng | | 94 |
| 69) Pentachlorophenol | 11.16 | 266 | 64693 | 32.66 | ng | | 100 |
| 70) Phenanthrene | 11.36 | 178 | 769021 | 39.72 | ng | | 100 |
| 71) Anthracene | 11.42 | 178 | 859729 | 42.30 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 728920 | 42.71 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 969292 | 41.39 | ng | | 99 |
| 74) Fluoranthene | 12.55 | 202 | 692696 | 33.66 | ng | | 96 |
| 76) Benzidine | 12.68 | 184 | 329350 | 37.99 | ng | | 99 |
| 77) Pyrene | 12.78 | 202 | 690971 | 34.15 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 333942 | 39.41 | ng | # | 76 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 586307 | 41.77 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 422015 | 43.32 | ng | | 99 |
| 82) Chrysene | 14.00 | 228 | 476940 | 33.73 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 444819 | 43.84 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 710863 | 47.12 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.79 | 276 | 656230 | 60.11 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 655297m | 42.21 | ng | | |
| 88) Benzo(k)fluoranthene | 15.02 | 252 | 449971m | 32.15 | ng | | |
| 89) Benzo(a)pyrene | 15.34 | 252 | 563562 | 40.89 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.79 | 278 | 550701 | 43.00 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.20 | 276 | 533567 | 41.15 | ng | | 95 |

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

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