Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087839.D
Acq On : 9 Jun 2016 7:43
Operator : UM/SJ
Sample : H3405-02MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-13-COMP-0.5-11.0MSD

**Manual Integrations APPROVED**
sohil
6/9/2016 7:58:50 PM

Quant Time: Jun 09 08:36:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 110042 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.11 | 136 | 428132 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 180015 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 276670 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 194547 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.42 | 264 | 173119 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 942852 | 146.48 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 1145767 | 146.87 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 670847 | 91.50 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 207495 | 109.16 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 1091018 | 95.92 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.95 | 244 | 849017 | 99.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.46 | 88 | 106251 | 33.97 | ng | # | 33 |
| 3) Pyridine | 3.19 | 79 | 314468 | 42.58 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.11 | 42 | 146857 | 46.96 | ng | | 94 |
| 6) Aniline | 6.49 | 93 | 257577 | 23.20 | ng | # | 55 |
| 8) 2-Chlorophenol | 6.62 | 128 | 346256 | 45.45 | ng | | 90 |
| 9) Benzaldehyde | 6.36 | 77 | 21015 | 3.58 | ng | | 86 |
| 10) Phenol | 6.48 | 94 | 300471 | 36.85 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 312346 | 45.66 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 319796 | 39.12 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 339234 | 41.20 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 314489 | 41.99 | ng | | 100 |
| 15) Benzyl Alcohol | 6.97 | 79 | 238735 | 39.12 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 399030 | 43.18 | ng | | 96 |
| 17) 2-Methylphenol | 7.08 | 107 | 252590 | 40.88 | ng | | 100 |
| 18) Hexachloroethane | 7.34 | 117 | 100901 | 34.53 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 215505 | 43.18 | ng | # | 80 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 304593 | 42.25 | ng | # | 86 |
| 22) Acetophenone | 7.24 | 105 | 407112 | 42.55 | ng | # | 90 |
| 24) Nitrobenzene | 7.42 | 77 | 353520 | 49.78 | ng | | 95 |
| 25) Isophorone | 7.66 | 82 | 595414 | 43.84 | ng | | 97 |
| 26) 2-Nitrophenol | 7.72 | 139 | 150857 | 39.65 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 254928 | 36.39 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 376631 | 44.71 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 276320 | 47.25 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 264000 | 41.46 | ng | | 99 |
| 31) Naphthalene | 8.14 | 128 | 877153 | 41.40 | ng | | 100 |
| 32) Benzoic acid | 7.84 | 122 | 24258m | 6.29 | ng | | |
| 33) 4-Chloroaniline | 8.18 | 127 | 150702 | 15.93 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 135296 | 40.28 | ng | | 97 |
| 35) Caprolactam | 8.56 | 113 | 71953 | 37.14 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.67 | 107 | 240757 | 38.49 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 568103 | 40.68 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 230407 | 51.84 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 37496 | 12.91 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.11 | 196 | 161130 | 44.76 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 150378 | 40.15 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 647471 | 48.39 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 492986 | 42.32 | ng | # | 91 |
| 47) 2-Nitroaniline | 9.42 | 65 | 161214 | 46.91 | ng | | 88 |
| 48) Acenaphthylene | 9.74 | 152 | 792656 | 42.78 | ng | | 99 |
| 49) Dimethylphthalate | 9.60 | 163 | 942750 | 72.30 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 119736 | 40.09 | ng | # | 52 |
| 51) Acenaphthene | 9.91 | 154 | 459578 | 39.76 | ng | | 100 |
| 52) 3-Nitroaniline | 9.83 | 138 | 124510 | 36.13 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 12908 | 12.42 | ng | # | 85 |
| 54) Dibenzofuran | 10.08 | 168 | 674715 | 42.38 | ng | | 94 |
| 55) 4-Nitrophenol | 9.99 | 139 | 189984 | 71.03 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 150408 | 39.19 | ng | # | 56 |
| 57) Fluorene | 10.42 | 166 | 497558 | 46.40 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 111496 | 37.88 | ng | # | 54 |
| 59) Diethylphthalate | 10.31 | 149 | 594763 | 45.06 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204 | 206319 | 38.97 | ng | | 93 |
| 61) 4-Nitroaniline | 10.44 | 138 | 130089 | 39.80 | ng | | 90 |
| 62) Azobenzene | 10.57 | 77 | 511524 | 39.19 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 18716 | 12.51 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 457420 | 49.83 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.90 | 248 | 125083 | 42.14 | ng | # | 84 |
| 67) Hexachlorobenzene | 10.97 | 284 | 143789 | 46.62 | ng | # | 76 |
| 68) Atrazine | 11.06 | 200 | 110691 | 39.82 | ng | | 92 |
| 69) Pentachlorophenol | 11.16 | 266 | 149240 | 91.80 | ng | | 100 |
| 70) Phenanthrene | 11.38 | 178 | 666664 | 45.92 | ng | | 99 |
| 71) Anthracene | 11.43 | 178 | 593883 | 40.55 | ng | | 99 |
| 72) Carbazole | 11.59 | 167 | 626628 | 45.73 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 788962 | 45.48 | ng | # | 97 |
| 74) Fluoranthene | 12.56 | 202 | 625979 | 40.86 | ng | | 96 |
| 76) Benzidine | 12.69 | 184 | 150796 | 27.99 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 622045 | 43.09 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.42 | 149 | 306689 | 48.05 | ng | # | 81 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 535452 | 48.30 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.94 | 252 | 143410 | 48.10 | ng | # | 95 |
| 82) Chrysene | 14.02 | 228 | 545256 | 52.28 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 420401 | 54.11 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 727339 | 57.61 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 413661 | 42.69 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 450286m | 37.32 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 460655m | 50.61 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 413390 | 42.35 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.82 | 278 | 345960 | 38.16 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 339338 | 36.38 | ng | | 98 |

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

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