Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085699.D
Acq On : 23 Mar 2016 11:19
Operator : UM/SJ
Sample : H1857-18MSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-06(8-10)MSD

**Manual Integrations APPROVED**
UMANGI
3/24/2016 11:49:16 AM

Quant Time: Mar 23 14:55:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 127162 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.12 | 136 | 499236 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 239949 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 369692 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.99 | 240 | 233068 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.41 | 264 | 217663 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 1002048 | 132.36 | ng | | -0.01 |
| 7) Phenol-d6 | 6.48 | 99 | 1349720 | 139.01 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 909707 | 105.77 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 282209 | 120.07 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 1310524 | 96.40 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.94 | 244 | 863066 | 89.11 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 130892 | 35.57 | ng | | 97 |
| 3) Pyridine | 3.20 | 79 | 325627 | 36.03 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.14 | 42 | 154029 | 40.83 | ng | | 96 |
| 6) Aniline | 6.49 | 93 | 145301 | 11.14 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.62 | 128 | 363936 | 41.55 | ng | | 91 |
| 9) Benzaldehyde | 6.38 | 77 | 59932 | 10.11 | ng | | 98 |
| 10) Phenol | 6.49 | 94 | 528272 | 47.77 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 537694 | 64.49 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 392206 | 41.09 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 380651 | 39.10 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 386287 | 44.69 | ng | | 99 |
| 15) Benzyl Alcohol | 6.98 | 79 | 321693 | 48.37 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 459393 | 41.90 | ng | | 84 |
| 17) 2-Methylphenol | 7.10 | 107 | 332525 | 45.80 | ng | | 99 |
| 18) Hexachloroethane | 7.35 | 117 | 131633 | 37.45 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 275776 | 47.55 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 388195 | 46.17 | ng | # | 85 |
| 22) Acetophenone | 7.25 | 105 | 503430 | 42.49 | ng | | 97 |
| 24) Nitrobenzene | 7.42 | 77 | 366686 | 38.95 | ng | | 99 |
| 25) Isophorone | 7.66 | 82 | 751602 | 43.65 | ng | | 99 |
| 26) 2-Nitrophenol | 7.74 | 139 | 215857 | 46.39 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 394578 | 47.96 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 500864 | 51.14 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 303811 | 44.71 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 309716 | 40.69 | ng | | 98 |
| 31) Naphthalene | 8.14 | 128 | 1092826 | 43.37 | ng | | 100 |
| 32) Benzoic acid | 7.78 | 122 | 394578 | 57.36 | ng | # | 11 |
| 33) 4-Chloroaniline | 8.21 | 127 | 216911 | 21.00 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 163706 | 40.36 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 109926m | 47.02 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 368565 | 46.44 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 758810 | 49.40 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 265610 | 36.49 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 48065 | 14.65 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.11 | 196 | 203520 | 40.85 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 210158 | 41.45 | ng | # | 81 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 776957 | 37.53 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.33 | 162 | 630473 | 41.70 | ng | | 98 |
| 47) 2-Nitroaniline | 9.42 | 65 | 195601 | 42.76 | ng | | 95 |
| 48) Acenaphthylene | 9.74 | 152 | 1014147 | 41.45 | ng | | 99 |
| 49) Dimethylphthalate | 9.60 | 163 | 945606 | 52.22 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.67 | 165 | 163493 | 42.77 | ng | # | 52 |
| 51) Acenaphthene | 9.91 | 154 | 633341 | 41.25 | ng | | 100 |
| 52) 3-Nitroaniline | 9.83 | 138 | 136554 | 28.52 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 8765 | 3.74 | ng | # | 80 |
| 54) Dibenzofuran | 10.08 | 168 | 908216 | 48.57 | ng | | 99 |
| 55) 4-Nitrophenol | 10.00 | 139 | 259534 | 70.14 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 10.07 | 165 | 227774 | 45.51 | ng | # | 77 |
| 57) Fluorene | 10.42 | 166 | 674969 | 43.31 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 149461 | 40.94 | ng | | 99 |
| 59) Diethylphthalate | 10.30 | 149 | 754422 | 41.91 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204 | 313087 | 41.14 | ng | | 93 |
| 61) 4-Nitroaniline | 10.45 | 138 | 187152 | 39.66 | ng | | 98 |
| 62) Azobenzene | 10.57 | 77 | 783350 | 45.35 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 29719 | 12.56 | ng | # | 55 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 587993 | 51.06 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.90 | 248 | 188920 | 51.15 | ng | | 92 |
| 67) Hexachlorobenzene | 10.97 | 284 | 189317 | 48.25 | ng | | 95 |
| 68) Atrazine | 11.06 | 200 | 188056 | 53.64 | ng | | 99 |
| 69) Pentachlorophenol | 11.17 | 266 | 182379 | 76.56 | ng | | 99 |
| 70) Phenanthrene | 11.38 | 178 | 997443 | 51.17 | ng | | 100 |
| 71) Anthracene | 11.43 | 178 | 818668 | 40.05 | ng | | 99 |
| 72) Carbazole | 11.59 | 167 | 816447 | 46.30 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.92 | 149 | 1028806 | 46.59 | ng | | 100 |
| 74) Fluoranthene | 12.57 | 202 | 760925 | 37.28 | ng | | 99 |
| 76) Benzidine | 12.69 | 184 | 268405 | 34.25 | ng | | 99 |
| 77) Pyrene | 12.80 | 202 | 805982 | 48.16 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.41 | 149 | 337412 | 42.30 | ng | # | 77 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 625188 | 46.21 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 155442 | 31.35 | ng | # | 97 |
| 82) Chrysene | 14.01 | 228 | 464174 | 35.66 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 458861 | 46.30 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 764457 | 47.34 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.79 | 276 | 498480 | 45.83 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 644523m | 45.38 | ng | | |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 448234m | 38.31 | ng | | |
| 89) Benzo(a)pyrene | 15.35 | 252 | 520438 | 43.22 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.80 | 278 | 430760 | 42.89 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.21 | 276 | 385766 | 39.69 | ng | | 96 |

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

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