Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084475.D
Acq On : 14 Jan 2016 7:49
Operator : SJ/UM
Sample : H1079-02MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-COMP1MSD

Quant Time: Jan 14 16:30:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 265783 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1087335 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 475127 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 787768 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 490551 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 498440 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1998506 | 121.62 | ng | | 0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 2674210 | 129.58 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1621286 | 82.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 608292 | 126.81 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 2315509 | 85.79 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.95 | 244 | 1932491 | 87.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 318634 | 40.93 | ng | # | 77 |
| 3) Pyridine | 3.21 | 79 | 930447 | 42.87 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 3.16 | 42 | 455331 | 40.87 | ng | | 87 |
| 6) Aniline | 6.50 | 93 | 597750 | 19.80 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.62 | 128 | 861172 | 46.19 | ng | | 97 |
| 9) Benzaldehyde | 6.37 | 77 | 184097 | 13.70 | ng | | 96 |
| 10) Phenol | 6.50 | 94 | 1182987 | 50.42 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 883890 | 48.63 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 827287m | 43.02 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 879253 | 45.59 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 735945 | 39.85 | ng | | 95 |
| 15) Benzyl Alcohol | 6.98 | 79 | 679389 | 39.13 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1301820 | 39.33 | ng | | 88 |
| 17) 2-Methylphenol | 7.10 | 107 | 727015 | 46.53 | ng | | 95 |
| 18) Hexachloroethane | 7.34 | 117 | 315699 | 40.94 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 553832 | 39.64 | ng | # | 75 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 796121 | 43.35 | ng | # | 60 |
| 22) Acetophenone | 7.25 | 105 | 1141630 | 43.66 | ng | # | 93 |
| 24) Nitrobenzene | 7.42 | 77 | 978340 | 49.37 | ng | | 95 |
| 25) Isophorone | 7.66 | 82 | 1644480 | 44.01 | ng | | 97 |
| 26) 2-Nitrophenol | 7.73 | 139 | 448078 | 49.69 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 793584 | 43.47 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 1043983 | 45.74 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 690863 | 45.43 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 718392 | 45.76 | ng | # | 96 |
| 31) Naphthalene | 8.14 | 128 | 2458992 | 49.85 | ng | | 98 |
| 32) Benzoic acid | 7.86 | 122 | 56361 | 10.42 | ng | | 94 |
| 33) 4-Chloroaniline | 8.19 | 127 | 331958 | 14.68 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 365599 | 40.52 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 22405 | 4.37 | ng | # | 57 |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 711874 | 41.80 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 1966688 | 55.54 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 626952 | 45.90 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.99 | 237 | 484428 | 58.75 | ng | | 98 |

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 464200 | 45.42 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 466050 | 47.57 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 1703013 | 45.10 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 1263814 | 42.61 | ng | | 95 |
| 47) 2-Nitroaniline | 9.42 | 65 | 525458 | 53.67 | ng | # | 81 |
| 48) Acenaphthylene | 9.73 | 152 | 1968740 | 44.93 | ng | | 97 |
| 49) Dimethylphthalate | 9.61 | 163 | 1994415 | 58.72 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 339216 | 45.53 | ng | # | 58 |
| 51) Acenaphthene | 9.90 | 154 | 1327125 | 45.15 | ng | | 98 |
| 52) 3-Nitroaniline | 9.84 | 138 | 329333 | 35.68 | ng | # | 82 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 146617 | 47.70 | ng | | 86 |
| 54) Dibenzofuran | 10.08 | 168 | 1748117 | 45.98 | ng | | 91 |
| 55) 4-Nitrophenol | 10.02 | 139 | 622978 | 92.97 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 417812 | 44.31 | ng | # | 87 |
| 57) Fluorene | 10.42 | 166 | 1214690 | 41.05 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 373111 | 44.61 | ng | | 90 |
| 59) Diethylphthalate | 10.30 | 149 | 1465761 | 43.77 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 636598 | 52.58 | ng | | 94 |
| 61) 4-Nitroaniline | 10.45 | 138 | 306004 | 37.19 | ng | # | 74 |
| 62) Azobenzene | 10.58 | 77 | 1689047 | 45.98 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 169618 | 35.35 | ng | | 81 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 1209091 | 48.00 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 384337 | 45.33 | ng | | 98 |
| 67) Hexachlorobenzene | 10.97 | 284 | 372739 | 39.06 | ng | # | 81 |
| 68) Atrazine | 11.08 | 200 | 307632 | 37.32 | ng | | 92 |
| 69) Pentachlorophenol | 11.17 | 266 | 392798 | 79.38 | ng | | 97 |
| 70) Phenanthrene | 11.39 | 178 | 2013036 | 48.85 | ng | | 97 |
| 71) Anthracene | 11.44 | 178 | 1806343 | 44.72 | ng | | 97 |
| 72) Carbazole | 11.60 | 167 | 1867333 | 47.29 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 2195096 | 55.37 | ng | # | 97 |
| 74) Fluoranthene | 12.57 | 202 | 1722262 | 40.01 | ng | | 99 |
| 76) Benzidine | 12.69 | 184 | 513802 | 29.21 | ng | | 98 |
| 77) Pyrene | 12.80 | 202 | 1731034 | 44.97 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 768661 | 46.14 | ng | # | 82 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 1250221 | 43.40 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 323573 | 32.19 | ng | # | 98 |
| 82) Chrysene | 14.02 | 228 | 1217876 | 44.00 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 1000637 | 47.55 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 1589066 | 44.72 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 1346333 | 61.36 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 1492368m | 45.77 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 955689m | 35.84 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 1217309 | 44.02 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.82 | 278 | 1091797 | 45.88 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 1129124 | 45.82 | ng | | 98 |

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

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