Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
Data File : BG024756.D
Acq On : 8 Nov 2016 12:53
Operator : UM/SJ
Sample : PB94569BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB94569BSD

**Manual Integrations APPROVED**
Umangi
11/8/2016 5:59:47 PM

Quant Time: Nov 08 15:11:27 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.26 | 152 | 83814 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.09 | 136 | 322805 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.88 | 164 | 274150 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.62 | 188 | 675295 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.92 | 240 | 924061 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.35 | 264 | 966173 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.79 | 112 | 345375 | 67.54 | ng | | 0.00 |
| 7) Phenol-d6 | 7.40 | 99 | 497766 | 70.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.44 | 82 | 605922 | 85.46 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 311503 | 76.06 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.50 | 172 | 1331730 | 80.74 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.20 | 244 | 2674902 | 86.50 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.65 | 88 | 71089 | 34.03 | ng | | 92 |
| 3) Pyridine | 4.06 | 79 | 216608 | 34.63 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.98 | 42 | 112811 | 34.84 | ng | | 82 |
| 6) Aniline | 7.58 | 93 | 114955 | 12.94 | ng | | 98 |
| 8) 2-Chlorophenol | 7.82 | 128 | 208023 | 40.01 | ng | | 98 |
| 9) Benzaldehyde | 7.40 | 77 | 31441 | 7.25 | ng | | 87 |
| 10) Phenol | 7.43 | 94 | 309510 | 42.80 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.67 | 93 | 213049 | 39.22 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 8.14 | 146 | 239866 | 37.27 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.30 | 146 | 247549 | 38.94 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.62 | 146 | 242011 | 39.59 | ng | | 97 |
| 15) Benzyl Alcohol | 8.50 | 79 | 259063 | 39.70 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.78 | 45 | 355230 | 35.24 | ng | | 93 |
| 17) 2-Methylphenol | 8.69 | 107 | 208616 | 43.54 | ng | | 95 |
| 18) Hexachloroethane | 9.35 | 117 | 91474 | 37.43 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 9.06 | 70 | 199319 | 38.56 | ng | | 93 |
| 20) 3+4-Methylphenols | 9.01 | 107 | 274805 | 42.72 | ng | | 89 |
| 22) Acetophenone | 9.09 | 105 | 342573 | 41.31 | ng | # | 89 |
| 24) Nitrobenzene | 9.48 | 77 | 306142 | 38.81 | ng | | 98 |
| 25) Isophorone | 9.99 | 82 | 537682 | 40.77 | ng | | 98 |
| 26) 2-Nitrophenol | 10.19 | 139 | 123072 | 42.04 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.23 | 122 | 232263 | 45.32 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93 | 296241 | 43.41 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.72 | 162 | 251014 | 46.66 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.95 | 180 | 261367 | 40.96 | ng | | 96 |
| 31) Naphthalene | 11.14 | 128 | 645689 | 40.10 | ng | | 98 |
| 32) Benzoic acid | 10.33 | 122 | 112453 | 26.35 | ng | | 94 |
| 33) 4-Chloroaniline | 11.24 | 127 | 76212 | 10.90 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.40 | 225 | 206379 | 41.32 | ng | | 98 |
| 35) Caprolactam | 12.00 | 113 | 94408m | 47.94 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 295439 | 45.49 | ng | # | 92 |
| 37) 2-Methylnaphthalene | 12.73 | 142 | 496905 | 42.29 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.08 | 216 | 346480 | 37.47 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 13.05 | 237 | 488359 | 93.79 | ng | | 92 |

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Misc :
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.32 | 196 | 235288 | 42.33 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.40 | 196 | 254419 | 42.34 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.71 | 154 | 711488 | 37.40 | ng | | 94 |
| 46) 2-Chloronaphthalene | 13.77 | 162 | 566706 | 39.12 | ng | | 99 |
| 47) 2-Nitroaniline | 13.97 | 65 | 233220 | 39.32 | ng | | 93 |
| 48) Acenaphthylene | 14.61 | 152 | 858867 | 38.66 | ng | | 99 |
| 49) Dimethylphthalate | 14.32 | 163 | 789308 | 40.55 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.45 | 165 | 173065 | 41.65 | ng | | 93 |
| 51) Acenaphthene | 14.95 | 154 | 572044 | 34.54 | ng | | 98 |
| 52) 3-Nitroaniline | 14.78 | 138 | 69849 | 16.25 | ng | # | 96 |
| 53) 2,4-Dinitrophenol | 14.99 | 184 | 250792 | 83.30 | ng | | 99 |
| 54) Dibenzofuran | 15.28 | 168 | 942167 | 41.15 | ng | | 99 |
| 55) 4-Nitrophenol | 15.08 | 139 | 318363 | 84.99 | ng | # | 89 |
| 56) 2,4-Dinitrotoluene | 15.23 | 165 | 264785 | 43.86 | ng | # | 95 |
| 57) Fluorene | 15.92 | 166 | 761654 | 40.12 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.49 | 232 | 290934 | 46.70 | ng | # | 91 |
| 59) Diethylphthalate | 15.67 | 149 | 833421 | 40.84 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.90 | 204 | 437497 | 41.07 | ng | | 97 |
| 61) 4-Nitroaniline | 15.95 | 138 | 185760 | 39.55 | ng | # | 79 |
| 62) Azobenzene | 16.20 | 77 | 826147 | 40.60 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 185165 | 39.80 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 16.12 | 169 | 717208 | 38.85 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.80 | 248 | 324889 | 39.63 | ng | | 93 |
| 67) Hexachlorobenzene | 16.92 | 284 | 362486 | 40.02 | ng | # | 87 |
| 68) Atrazine | 17.06 | 200 | 345365 | 43.61 | ng | | 99 |
| 69) Pentachlorophenol | 17.26 | 266 | 419954 | 70.26 | ng | | 95 |
| 70) Phenanthrene | 17.67 | 178 | 1379272 | 40.07 | ng | | 96 |
| 71) Anthracene | 17.76 | 178 | 1411603 | 40.65 | ng | | 100 |
| 72) Carbazole | 18.03 | 167 | 1275518 | 40.28 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 1534191 | 42.01 | ng | | 97 |
| 74) Fluoranthene | 19.66 | 202 | 1857393 | 42.69 | ng | | 97 |
| 76) Benzidine | 19.83 | 184 | 547076 | 25.13 | ng | | 96 |
| 77) Pyrene | 20.02 | 202 | 1857721 | 41.13 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 768952 | 40.83 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 2043600 | 40.26 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.80 | 252 | 350747 | 17.13 | ng | | 99 |
| 82) Chrysene | 21.97 | 228 | 1917090 | 39.65 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 1041170 | 38.65 | ng | | 100 |
| 84) Di-n-octyl phthalate | 23.03 | 149 | 1774974 | 39.70 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 29.29 | 276 | 2531792 | 37.94 | ng | # | 99 |
| 87) Benzo(b)fluoranthene | 24.25 | 252 | 2078662m | 39.80 | ng | | |
| 88) Benzo(k)fluoranthene | 24.32 | 252 | 2021554 | 40.08 | ng | | 97 |
| 89) Benzo(a)pyrene | 25.18 | 252 | 2024036 | 39.66 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 29.36 | 278 | 2128566 | 38.00 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.53 | 276 | 2123029 | 37.94 | ng | | 98 |

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

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