Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
Data File : BF089356.D
Acq On : 28 Jul 2016 9:51
Operator : UM/SJ
Sample : H4155-17MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
I-4MS

**Manual Integrations**
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7/28/2016 5:03:50 PM

Quant Time: Jul 28 13:31:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:12:17 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.55 | 152 | 46763 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.83 | 136 | 200807 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.58 | 164 | 96551 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.05 | 188 | 184462 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.67 | 240 | 129117 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.01 | 264 | 99745 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.14 | 112 | 358620 | 122.45 | ng | | 0.03 |
| 7) Phenol-d6 | 6.22 | 99 | 455657 | 117.73 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.12 | 82 | 343081 | 100.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.36 | 330 | 110080 | 137.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.91 | 172 | 658101 | 100.03 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.63 | 244 | 540009 | 97.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.16 | 88 | 45304 | 33.58 | ng | # | 83 |
| 3) Pyridine | 2.74 | 79 | 76066m | 26.55 | ng | | |
| 4) n-Nitrosodimethylamine | 2.68 | 42 | 48051 | 41.90 | ng | | 95 |
| 6) Aniline | 6.23 | 93 | 73036 | 17.48 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.33 | 128 | 154678 | 46.69 | ng | | 86 |
| 9) Benzaldehyde | 6.09 | 77 | 45748 | 24.21 | ng | | 95 |
| 10) Phenol | 6.23 | 94 | 177336 | 41.52 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.30 | 93 | 187239 | 51.60 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.48 | 146 | 144006 | 41.56 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.56 | 146 | 157323 | 41.14 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.72 | 146 | 150249 | 41.94 | ng | | 99 |
| 15) Benzyl Alcohol | 6.71 | 79 | 129873 | 54.07 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.84 | 45 | 179104 | 45.25 | ng | | 90 |
| 17) 2-Methylphenol | 6.83 | 107 | 119692 | 46.75 | ng | | 96 |
| 18) Hexachloroethane | 7.05 | 117 | 59740 | 40.75 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 6.98 | 70 | 126695 | 54.28 | ng | | 93 |
| 20) 3+4-Methylphenols | 6.99 | 107 | 154265 | 46.91 | ng | | 89 |
| 22) Acetophenone | 6.97 | 105 | 212259 | 44.40 | ng | | 98 |
| 24) Nitrobenzene | 7.14 | 77 | 175098 | 45.22 | ng | | 99 |
| 25) Isophorone | 7.38 | 82 | 332905 | 48.58 | ng | | 98 |
| 26) 2-Nitrophenol | 7.46 | 139 | 79574 | 45.97 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.51 | 122 | 127458 | 46.22 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.60 | 93 | 200062 | 52.74 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.70 | 162 | 127799 | 50.86 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.78 | 180 | 132861 | 46.34 | ng | | 99 |
| 31) Naphthalene | 7.85 | 128 | 498543m | 50.14 | ng | | |
| 32) Benzoic acid | 7.68 | 122 | 75184 | 39.12 | ng | | 97 |
| 33) 4-Chloroaniline | 7.95 | 127 | 39345 | 10.39 | ng | | 97 |
| 34) Hexachlorobutadiene | 7.98 | 225 | 73033 | 44.47 | ng | | 96 |
| 35) Caprolactam | 8.31 | 113 | 33932m | 44.74 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.42 | 107 | 148573 | 49.75 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.55 | 142 | 307906 | 51.39 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.71 | 216 | 115532 | 34.19 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.70 | 237 | 93303 | 94.99 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.83 | 196 | 83447 | 51.95 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.88 | 196 | 105281 | 51.74 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.00 | 154 | 325925 | 39.65 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.03 | 162 | 291306 | 47.18 | ng | | 100 |
| 47) 2-Nitroaniline | 9.14 | 65 | 95831 | 52.41 | ng | | 94 |
| 48) Acenaphthylene | 9.44 | 152 | 472214 | 48.56 | ng | | 99 |
| 49) Dimethylphthalate | 9.32 | 163 | 346884 | 47.21 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.38 | 165 | 73394 | 48.61 | ng | # | 71 |
| 51) Acenaphthene | 9.61 | 154 | 284897 | 50.17 | ng | | 99 |
| 52) 3-Nitroaniline | 9.55 | 138 | 43868 | 27.53 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 9.67 | 184 | 67639 | 90.35 | ng | | 94 |
| 54) Dibenzofuran | 9.78 | 168 | 403204 | 52.11 | ng | | 96 |
| 55) 4-Nitrophenol | 9.75 | 139 | 61332m | 79.11 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.79 | 165 | 108499 | 54.59 | ng | # | 65 |
| 57) Fluorene | 10.12 | 166 | 344283 | 50.97 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.91 | 232 | 75858 | 55.84 | ng | | 95 |
| 59) Diethylphthalate | 10.02 | 149 | 390775 | 52.46 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.12 | 204 | 149238 | 48.17 | ng | | 98 |
| 61) 4-Nitroaniline | 10.17 | 138 | 72363 | 44.06 | ng | | 97 |
| 62) Azobenzene | 10.28 | 77 | 400323 | 52.18 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 10.20 | 198 | 49788 | 45.02 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.25 | 169 | 293542 | 51.00 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.60 | 248 | 91337 | 51.86 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.66 | 284 | 85026 | 47.11 | ng | | 93 |
| 68) Atrazine | 10.78 | 200 | 77457 | 43.81 | ng | | 97 |
| 69) Pentachlorophenol | 10.87 | 266 | 88805 | 99.93 | ng | | 98 |
| 70) Phenanthrene | 11.07 | 178 | 478415 | 50.29 | ng | | 99 |
| 71) Anthracene | 11.13 | 178 | 521562 | 49.31 | ng | | 100 |
| 72) Carbazole | 11.29 | 167 | 469542 | 52.73 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.63 | 149 | 583556 | 48.85 | ng | # | 98 |
| 74) Fluoranthene | 12.25 | 202 | 497072 | 49.67 | ng | | 97 |
| 76) Benzidine | 12.41 | 184 | 18934 | 3.97 | ng | | 98 |
| 77) Pyrene | 12.48 | 202 | 497606 | 50.85 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.11 | 149 | 240193 | 53.99 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.66 | 228 | 362189 | 49.71 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.63 | 252 | 77168 | 29.43 | ng | | 96 |
| 82) Chrysene | 13.70 | 228 | 374614 | 48.30 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.67 | 149 | 318636 | 49.54 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.27 | 149 | 507260 | 50.55 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.21 | 276 | 278742 | 50.55 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.65 | 252 | 277367m | 44.78 | ng | | |
| 88) Benzo(k)fluoranthene | 14.67 | 252 | 328812m | 57.74 | ng | | |
| 89) Benzo(a)pyrene | 14.96 | 252 | 285524 | 51.38 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.22 | 278 | 235921 | 53.90 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.56 | 276 | 229403 | 53.31 | ng | | 97 |

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

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