Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071415\
Data File : BF080488.D
Acq On : 15 Jul 2015 13:00
Operator : TP/UM
Sample : G2973-10MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-7D78MSD

**Manual Integrations APPROVED**
apatel
7/16/2015 8:21:55 AM

Quant Time: Jul 15 16:08:04 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 15 03:58:42 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.13 | 152 | 23756 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.41 | 136 | 102468 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.17 | 164 | 51104 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.66 | 188 | 111839 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.67 | 240 | 129115 | 20.00 | ng | | 0.19 |
| 86) Perylene-d12 | 16.56 | 264 | 116806 | 20.00 | ng | | 0.33 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 139510 | 95.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.76 | 99 | 190206 | 106.94 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.69 | 82 | 120607 | 64.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.97 | 330 | 49332 | 102.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.48 | 172 | 216769 | 58.12 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.37 | 244 | 280159 | 52.30 | ng | | 0.09 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.86 | 88 | 17569 | 30.01 | ng | # | 91 |
| 3) Pyridine | 3.84 | 79 | 34378 | 26.57 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.66 | 42 | 26635 | 35.02 | ng | | 97 |
| 6) Aniline | 6.80 | 93 | 61211 | 23.71 | ng | | 99 |
| 8) 2-Chlorophenol | 6.92 | 128 | 53506 | 35.09 | ng | | 94 |
| 9) Benzaldehyde | 6.68 | 77 | 20499 | 18.87 | ng | | 98 |
| 10) Phenol | 6.78 | 94 | 71155 | 34.70 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.85 | 93 | 54754 | 35.13 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.06 | 146 | 58460m | 32.88 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.14 | 146 | 64640 | 33.44 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.30 | 146 | 61791 | 33.07 | ng | | 96 |
| 15) Benzyl Alcohol | 7.28 | 79 | 43375 | 34.08 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.39 | 45 | 91351 | 36.16 | ng | | 78 |
| 17) 2-Methylphenol | 7.39 | 107 | 44737 | 36.25 | ng | # | 90 |
| 18) Hexachloroethane | 7.64 | 117 | 20967 | 32.92 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.53 | 70 | 39743 | 32.99 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.54 | 107 | 63186 | 36.13 | ng | # | 88 |
| 22) Acetophenone | 7.53 | 105 | 78282 | 32.56 | ng | # | 96 |
| 24) Nitrobenzene | 7.71 | 77 | 62186 | 30.14 | ng | | 95 |
| 25) Isophorone | 7.94 | 82 | 118499 | 34.28 | ng | | 96 |
| 26) 2-Nitrophenol | 8.03 | 139 | 27335 | 30.54 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 8.06 | 122 | 53381 | 32.52 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.14 | 93 | 66928 | 34.43 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.27 | 162 | 49148 | 34.34 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.35 | 180 | 53104 | 29.82 | ng | | 97 |
| 31) Naphthalene | 8.43 | 128 | 169221 | 31.93 | ng | | 100 |
| 32) Benzoic acid | 8.14 | 122 | 20298 | 29.81 | ng | | 85 |
| 33) 4-Chloroaniline | 8.49 | 127 | 48508 | 22.99 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.54 | 225 | 27883 | 30.90 | ng | | 99 |
| 35) Caprolactam | 8.83 | 113 | 12685 | 34.35 | ng | # | 69 |
| 36) 4-Chloro-3-methylphenol | 8.97 | 107 | 50100 | 35.76 | ng | # | 76 |
| 37) 2-Methylnaphthalene | 9.13 | 142 | 113294 | 31.38 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.29 | 216 | 48992 | 28.89 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.28 | 237 | 41851 | 53.16 | ng | | 94 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.41 | 196 | 31670 | 30.04 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.45 | 196 | 34135 | 32.14 | ng | # | 75 |
| 45) 1,1'-Biphenyl | 9.58 | 154 | 143909 | 32.72 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.62 | 162 | 108015 | 29.90 | ng | | 97 |
| 47) 2-Nitroaniline | 9.72 | 65 | 33931 | 32.56 | ng | | 92 |
| 48) Acenaphthylene | 10.03 | 152 | 173533 | 31.76 | ng | | 99 |
| 49) Dimethylphthalate | 9.88 | 163 | 189114 | 46.75 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.95 | 165 | 29559 | 33.95 | ng | | 93 |
| 51) Acenaphthene | 10.20 | 154 | 111131 | 33.44 | ng | | 96 |
| 52) 3-Nitroaniline | 10.13 | 138 | 25497 | 27.21 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 10.24 | 184 | 19637 | 58.13 | ng | | 90 |
| 54) Dibenzofuran | 10.37 | 168 | 151923 | 32.41 | ng | | 99 |
| 55) 4-Nitrophenol | 10.30 | 139 | 43443 | 63.80 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 10.35 | 165 | 34680 | 35.16 | ng | # | 23 |
| 57) Fluorene | 10.72 | 166 | 123540 | 32.78 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.50 | 232 | 29821 | 34.67 | ng | | 99 |
| 59) Diethylphthalate | 10.58 | 149 | 135185 | 33.77 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.70 | 204 | 60680 | 34.33 | ng | | 93 |
| 61) 4-Nitroaniline | 10.75 | 138 | 27237 | 32.03 | ng | | 94 |
| 62) Azobenzene | 10.86 | 77 | 137341 | 35.90 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.76 | 198 | 15860 | 29.93 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.83 | 169 | 106876 | 29.42 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.20 | 248 | 35233 | 31.59 | ng | | 88 |
| 67) Hexachlorobenzene | 11.28 | 284 | 36774 | 30.30 | ng | | 98 |
| 68) Atrazine | 11.34 | 200 | 35293 | 33.35 | ng | | 98 |
| 69) Pentachlorophenol | 11.47 | 266 | 38367 | 68.62 | ng | | 96 |
| 70) Phenanthrene | 11.69 | 178 | 194467 | 29.92 | ng | | 98 |
| 71) Anthracene | 11.74 | 178 | 212597 | 34.79 | ng | | 99 |
| 72) Carbazole | 11.90 | 167 | 183086 | 33.07 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.22 | 149 | 223251 | 38.00 | ng | # | 98 |
| 74) Fluoranthene | 12.96 | 202 | 234136 | 36.53 | ng | | 98 |
| 76) Benzidine | 13.09 | 184 | 121235 | 31.69 | ng | | 99 |
| 77) Pyrene | 13.21 | 202 | 240900 | 31.69 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.93 | 149 | 101487 | 36.55 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.66 | 228 | 233745 | 31.06 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.61 | 252 | 67708 | 28.47 | ng | # | 95 |
| 82) Chrysene | 14.71 | 228 | 220000 | 30.58 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.63 | 149 | 155074 | 38.45 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 15.47 | 149 | 254890 | 35.19 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 18.23 | 276 | 233137 | 23.79 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 16.05 | 252 | 217099 | 32.53 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 16.09 | 252 | 222559 | 34.52 | ng | | 100 |
| 89) Benzo(a)pyrene | 16.48 | 252 | 210924 | 32.09 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 18.24 | 278 | 192982 | 25.89 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 18.73 | 276 | 193755 | 24.84 | ng | | 99 |

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

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