Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
Data File : BF087486.D
Acq On : 28 May 2016 18:51
Operator : UM/SJ
Sample : H3258-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** B-2MS

**Manual Integrations APPROVED**
umangi
5/31/2016 7:03:49 PM

Quant Time: May 30 03:37:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 30 03:25:10 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 110323 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 9.50 | 136 | 457497 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 12.33 | 164 | 215173 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.73 | 188 | 397603 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.43 | 240 | 316330 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.10 | 264 | 216331 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 784838 | 125.00 | ng | | 0.01 |
| 7) Phenol-d6 | 7.03 | 99 | 1029265 | 121.32 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.39 | 82 | 709913 | 78.21 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.62 | 330 | 235816 | 114.04 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 11.28 | 172 | 1175414 | 77.01 | ng | | -0.01 |
| 78) Terphenyl-d14 | 17.09 | 244 | 1102215 | 74.08 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.83 | 88 | 91791 | 27.71 | ng | # | 65 |
| 3) Pyridine | 2.41 | 79 | 204269 | 28.20 | ng | # | 64 |
| 4) n-Nitrosodimethylamine | 2.38 | 42 | 203517 | 36.47 | ng | # | 46 |
| 6) Aniline | 6.97 | 93 | 321507 | 29.29 | ng | | 94 |
| 8) 2-Chlorophenol | 7.15 | 128 | 309316 | 39.50 | ng | | 95 |
| 9) Benzaldehyde | 6.81 | 77 | 45918 | 9.80 | ng | | 94 |
| 10) Phenol | 7.04 | 94 | 392589 | 42.38 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 7.11 | 93 | 288118 | 38.43 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 7.36 | 146 | 312502 | 36.59 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 7.50 | 146 | 323656 | 36.92 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.72 | 146 | 311156 | 38.37 | ng | | 99 |
| 15) Benzyl Alcohol | 7.77 | 79 | 266928 | 43.16 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.96 | 45 | 594255 | 35.22 | ng | | 87 |
| 17) 2-Methylphenol | 7.99 | 107 | 256191 | 40.83 | ng | # | 89 |
| 18) Hexachloroethane | 8.24 | 117 | 122780 | 37.54 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.19 | 70 | 256500 | 40.54 | ng | # | 78 |
| 20) 3+4-Methylphenols | 8.25 | 107 | 333731 | 44.00 | ng | # | 61 |
| 22) Acetophenone | 8.16 | 105 | 452921 | 41.44 | ng | # | 97 |
| 24) Nitrobenzene | 8.41 | 77 | 360059 | 37.58 | ng | | 96 |
| 25) Isophorone | 8.81 | 82 | 630352 | 38.72 | ng | # | 97 |
| 26) 2-Nitrophenol | 8.92 | 139 | 159704 | 40.77 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 9.06 | 122 | 262205 | 38.56 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 9.19 | 93 | 369103 | 40.25 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.34 | 162 | 259513 | 42.35 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 9.43 | 180 | 267981 | 38.20 | ng | | 98 |
| 31) Naphthalene | 9.53 | 128 | 889855 | 38.82 | ng | | 100 |
| 32) Benzoic acid | 9.34 | 122 | 11914 | 8.81 | ng | # | 73 |
| 33) 4-Chloroaniline | 9.68 | 127 | 221653 | 26.25 | ng | # | 89 |
| 34) Hexachlorobutadiene | 9.75 | 225 | 156534 | 36.71 | ng | | 97 |
| 35) Caprolactam | 10.30 | 113 | 71283m | 39.86 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.55 | 107 | 286094 | 41.30 | ng | | 91 |
| 37) 2-Methylnaphthalene | 10.66 | 142 | 581532 | 40.61 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.94 | 216 | 256381 | 37.22 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 10.90 | 237 | 145159 | 54.62 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.16 | 196 | 149664 | 37.65 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 11.24 | 196 | 147453 | 36.42 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 11.43 | 154 | 715841 | 39.51 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.44 | 162 | 524985 | 37.88 | ng | # | 92 |
| 47) 2-Nitroaniline | 11.67 | 65 | 218015 | 43.66 | ng | | 85 |
| 48) Acenaphthylene | 12.10 | 152 | 854200 | 38.93 | ng | | 99 |
| 49) Dimethylphthalate | 11.99 | 163 | 892144 | 51.76 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 12.08 | 165 | 136960 | 39.43 | ng | # | 82 |
| 51) Acenaphthene | 12.38 | 154 | 508025 | 37.67 | ng | | 99 |
| 52) 3-Nitroaniline | 12.34 | 138 | 109814 | 30.81 | ng | # | 68 |
| 53) 2,4-Dinitrophenol | 12.57 | 184 | 59048 | 37.05 | ng | # | 81 |
| 54) Dibenzofuran | 12.66 | 168 | 762885 | 41.78 | ng | | 93 |
| 55) 4-Nitrophenol | 12.74 | 139 | 128904 | 75.81 | ng | # | 39 |
| 56) 2,4-Dinitrotoluene | 12.74 | 165 | 187657 | 40.43 | ng | # | 91 |
| 57) Fluorene | 13.22 | 166 | 612722 | 38.70 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.91 | 232 | 133668 | 42.92 | ng | | 96 |
| 59) Diethylphthalate | 13.13 | 149 | 626241 | 37.37 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 13.25 | 204 | 282438 | 36.58 | ng | | 96 |
| 61) 4-Nitroaniline | 13.35 | 138 | 131773 | 39.61 | ng | # | 63 |
| 62) Azobenzene | 13.51 | 77 | 762098 | 43.84 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 13.41 | 198 | 81959 | 32.42 | ng | # | 37 |
| 65) n-Nitrosodiphenylamine | 13.46 | 169 | 510598 | 39.71 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.03 | 248 | 165825 | 38.12 | ng | | 91 |
| 67) Hexachlorobenzene | 14.10 | 284 | 170769 | 37.54 | ng | # | 73 |
| 68) Atrazine | 14.39 | 200 | 167965 | 40.98 | ng | | 93 |
| 69) Pentachlorophenol | 14.47 | 266 | 81257 | 59.21 | ng | | 99 |
| 70) Phenanthrene | 14.77 | 178 | 870001 | 39.50 | ng | | 99 |
| 71) Anthracene | 14.85 | 178 | 875310 | 39.34 | ng | | 99 |
| 72) Carbazole | 15.14 | 167 | 783607 | 41.30 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.73 | 149 | 959389 | 39.10 | ng | | 98 |
| 74) Fluoranthene | 16.54 | 202 | 893703 | 40.47 | ng | | 91 |
| 76) Benzidine | 16.77 | 184 | 211659 | 26.00 | ng | | 95 |
| 77) Pyrene | 16.83 | 202 | 874819 | 38.42 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.75 | 149 | 383411 | 37.97 | ng | # | 74 |
| 80) Benzo(a)anthracene | 18.42 | 228 | 711779 | 39.56 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.41 | 252 | 130006 | 13.08 | ng | # | 96 |
| 82) Chrysene | 18.47 | 228 | 677740 | 37.95 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.49 | 149 | 517565 | 35.13 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 19.27 | 149 | 777631 | 34.61 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 21.31 | 276 | 508754 | 35.54 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 19.69 | 252 | 586490 | 42.56 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 19.73 | 252 | 446839m | 37.67 | ng | | |
| 89) Benzo(a)pyrene | 20.05 | 252 | 478466 | 40.15 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.31 | 278 | 429556 | 42.26 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 21.67 | 276 | 431572 | 43.03 | ng | # | 91 |

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

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