Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085734.D
Acq On : 25 Mar 2016 1:23
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
3/25/2016 3:04:37 PM

Quant Time: Mar 25 02:30:54 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 14:15:39 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 107309 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 433647 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 212581 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.35 | 188 | 402688 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 286403 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.40 | 264 | 199585 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 541969 | 84.11 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 642288 | 78.40 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 621825 | 80.75 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 163955 | 81.18 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.19 | 172 | 1025645 | 80.61 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 991477 | 71.20 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.38 | 88 | 118598 | 38.55 | ng | | 99 |
| 3) Pyridine | 3.11 | 79 | 280309 | 38.00 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.05 | 42 | 121774 | 41.24 | ng | | 99 |
| 6) Aniline | 6.48 | 93 | 436667 | 39.60 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.61 | 128 | 309765 | 41.38 | ng | | 96 |
| 9) Benzaldehyde | 6.37 | 77 | 196766 | 39.86 | ng | | 94 |
| 10) Phenol | 6.48 | 94 | 345658 | 37.24 | ng | # | 56 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 273841 | 38.34 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 328184 | 40.71 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 328140m | 40.13 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 315162 | 41.36 | ng | | 98 |
| 15) Benzyl Alcohol | 6.97 | 79 | 225866 | 41.32 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45 | 389027 | 41.05 | ng | | 97 |
| 17) 2-Methylphenol | 7.09 | 107 | 242102 | 40.39 | ng | | 100 |
| 18) Hexachloroethane | 7.34 | 117 | 122925 | 41.06 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 204413 | 41.67 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 295975 | 41.07 | ng | # | 86 |
| 22) Acetophenone | 7.24 | 105 | 402915 | 39.88 | ng | | 99 |
| 24) Nitrobenzene | 7.42 | 77 | 313805 | 39.53 | ng | # | 78 |
| 25) Isophorone | 7.66 | 82 | 605079 | 40.79 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.73 | 139 | 157511 | 39.66 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 305540 | 44.02 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 347326 | 41.09 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 232838 | 39.90 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 264017 | 40.75 | ng | | 93 |
| 31) Naphthalene | 8.14 | 128 | 867625 | 39.71 | ng | | 98 |
| 32) Benzoic acid | 7.90 | 122 | 212466m | 46.09 | ng | | |
| 33) 4-Chloroaniline | 8.18 | 127 | 357163 | 40.03 | ng | # | 95 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 147008 | 41.75 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 90652 | 43.86 | ng | # | 78 |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 279912 | 41.07 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 552760 | 42.90 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 255479 | 40.53 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.97 | 237 | 82010 | 36.82 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.11 | 196 | 170426 | 40.03 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 173449 | 38.85 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 745071 | 41.54 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 561630 | 42.58 | ng | | 97 |
| 47) 2-Nitroaniline | 9.41 | 65 | 151366 | 37.53 | ng | | 85 |
| 48) Acenaphthylene | 9.73 | 152 | 871681 | 40.56 | ng | | 100 |
| 49) Dimethylphthalate | 9.59 | 163 | 611938 | 37.94 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 152715 | 43.99 | ng | # | 70 |
| 51) Acenaphthene | 9.90 | 154 | 493140 | 37.56 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 161262 | 40.58 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 58721 | 36.99 | ng | # | 81 |
| 54) Dibenzofuran | 10.07 | 168 | 676649 | 39.82 | ng | | 98 |
| 55) 4-Nitrophenol | 9.99 | 139 | 103867 | 40.12 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 182983 | 41.47 | ng | # | 67 |
| 57) Fluorene | 10.41 | 166 | 579138 | 41.00 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 126539 | 40.78 | ng | | 97 |
| 59) Diethylphthalate | 10.29 | 149 | 612920 | 38.47 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 250358 | 36.25 | ng | | 95 |
| 61) 4-Nitroaniline | 10.44 | 138 | 138812 | 36.52 | ng | | 87 |
| 62) Azobenzene | 10.56 | 77 | 618845 | 40.41 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 96750 | 41.03 | ng | # | 65 |
| 65) n-Nitrosodiphenylamine | 10.53 | 169 | 525578 | 41.21 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 168111 | 40.81 | ng | | 95 |
| 67) Hexachlorobenzene | 10.96 | 284 | 184917 | 42.92 | ng | | 95 |
| 68) Atrazine | 11.05 | 200 | 165319 | 38.39 | ng | | 98 |
| 69) Pentachlorophenol | 11.16 | 266 | 88580 | 41.88 | ng | | 98 |
| 70) Phenanthrene | 11.37 | 178 | 901727 | 43.61 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 859895 | 39.61 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 734760 | 40.32 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.91 | 149 | 1006760 | 40.26 | ng | | 100 |
| 74) Fluoranthene | 12.56 | 202 | 862597 | 39.25 | ng | | 88 |
| 76) Benzidine | 12.68 | 184 | 416556 | 41.30 | ng | | 99 |
| 77) Pyrene | 12.78 | 202 | 862562 | 36.64 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.41 | 149 | 390520 | 39.61 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 631642 | 38.68 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 407703 | 35.97 | ng | | 98 |
| 82) Chrysene | 14.01 | 228 | 628350 | 38.20 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 472099 | 39.99 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 714253 | 40.69 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.78 | 276 | 484896 | 38.17 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 548228m | 43.60 | ng | | |
| 88) Benzo(k)fluoranthene | 15.02 | 252 | 439394m | 38.76 | ng | | |
| 89) Benzo(a)pyrene | 15.34 | 252 | 458651 | 41.08 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.79 | 278 | 403956 | 38.94 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.20 | 276 | 408735 | 38.92 | ng | # | 93 |

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

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