Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085802.D
Acq On : 28 Mar 2016 15:31
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/29/2016 12:03:11 PM

Quant Time: Mar 28 17:08:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:50:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 123540 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.10 | 136 | 518363 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 221557 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 401467 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.98 | 240 | 295641 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.40 | 264 | 202605 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 585575 | 78.94 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 772892 | 81.95 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 688907 | 74.84 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 184558 | 87.67 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 1118737 | 84.36 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.93 | 244 | 1149621 | 79.97 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 144177 | 40.70 | ng | | 99 |
| 3) Pyridine | 3.09 | 79 | 394184 | 46.42 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.04 | 42 | 143815 | 42.30 | ng | | 98 |
| 6) Aniline | 6.48 | 93 | 518157 | 40.81 | ng | | 99 |
| 8) 2-Chlorophenol | 6.61 | 128 | 351457 | 40.78 | ng | | 91 |
| 9) Benzaldehyde | 6.37 | 77 | 210715 | 37.08 | ng | | 90 |
| 10) Phenol | 6.47 | 94 | 461863 | 43.22 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 331020 | 40.26 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 378310 | 40.76 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 390302 | 41.47 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 336618 | 38.37 | ng | | 94 |
| 15) Benzyl Alcohol | 6.96 | 79 | 238567 | 37.91 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 419102 | 38.41 | ng | | 98 |
| 17) 2-Methylphenol | 7.08 | 107 | 278640 | 40.38 | ng | | 98 |
| 18) Hexachloroethane | 7.33 | 117 | 140499 | 40.77 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 200109 | 35.44 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 310354 | 37.41 | ng | | 96 |
| 22) Acetophenone | 7.24 | 105 | 463815 | 38.41 | ng | # | 96 |
| 24) Nitrobenzene | 7.41 | 77 | 396416 | 41.78 | ng | | 96 |
| 25) Isophorone | 7.65 | 82 | 667779 | 37.66 | ng | | 97 |
| 26) 2-Nitrophenol | 7.73 | 139 | 197394 | 41.58 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 297554 | 35.86 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 372477 | 36.87 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 276486 | 39.64 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 299555 | 38.68 | ng | | 98 |
| 31) Naphthalene | 8.13 | 128 | 996663 | 38.16 | ng | | 100 |
| 32) Benzoic acid | 7.90 | 122 | 233546 | 42.38 | ng | | 99 |
| 33) 4-Chloroaniline | 8.18 | 127 | 401085 | 37.61 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 152397 | 36.21 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 83223 | 33.68 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 294708 | 36.17 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 596804 | 37.67 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 271840 | 41.37 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.97 | 237 | 91774 | 38.85 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.10 | 196 | 181972 | 41.01 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 195184 | 41.94 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.28 | 154 | 717801 | 38.39 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 544752 | 39.63 | ng | # | 90 |
| 47) 2-Nitroaniline | 9.41 | 65 | 181718 | 43.23 | ng | | 96 |
| 48) Acenaphthylene | 9.72 | 152 | 916611 | 40.92 | ng | | 99 |
| 49) Dimethylphthalate | 9.59 | 163 | 712546 | 42.39 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 134626 | 37.21 | ng | | 93 |
| 51) Acenaphthene | 9.90 | 154 | 555243 | 40.58 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 164192 | 39.64 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 71528 | 42.21 | ng | # | 71 |
| 54) Dibenzofuran | 10.07 | 168 | 709560 | 40.07 | ng | | 94 |
| 55) 4-Nitrophenol | 9.99 | 139 | 110704 | 41.03 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 202961 | 44.13 | ng | # | 80 |
| 57) Fluorene | 10.41 | 166 | 589968 | 40.08 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 132224 | 40.88 | ng | | 100 |
| 59) Diethylphthalate | 10.29 | 149 | 709702 | 42.73 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 313363 | 43.54 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.44 | 138 | 180290 | 45.51 | ng | | 97 |
| 62) Azobenzene | 10.56 | 77 | 704612 | 44.15 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 106240 | 45.19 | ng | # | 52 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 506258 | 39.81 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 178289 | 43.41 | ng | # | 85 |
| 67) Hexachlorobenzene | 10.96 | 284 | 181651 | 42.29 | ng | # | 88 |
| 68) Atrazine | 11.05 | 200 | 177670 | 41.39 | ng | | 96 |
| 69) Pentachlorophenol | 11.16 | 266 | 92579 | 43.90 | ng | | 99 |
| 70) Phenanthrene | 11.36 | 178 | 887634 | 43.06 | ng | | 100 |
| 71) Anthracene | 11.42 | 178 | 906352 | 41.88 | ng | | 99 |
| 72) Carbazole | 11.58 | 167 | 823973 | 45.35 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.91 | 149 | 1022622 | 41.02 | ng | # | 98 |
| 74) Fluoranthene | 12.55 | 202 | 822149 | 37.52 | ng | | 98 |
| 76) Benzidine | 12.68 | 184 | 394973 | 37.94 | ng | | 99 |
| 77) Pyrene | 12.78 | 202 | 827367 | 34.05 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 373176 | 36.67 | ng | # | 75 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 665253 | 39.46 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 429437 | 36.71 | ng | | 99 |
| 82) Chrysene | 14.00 | 228 | 563438 | 33.18 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 464860 | 38.15 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 663857 | 36.64 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.78 | 276 | 543779 | 41.47 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 575767m | 45.11 | ng | | |
| 88) Benzo(k)fluoranthene | 15.02 | 252 | 398771m | 34.66 | ng | | |
| 89) Benzo(a)pyrene | 15.34 | 252 | 461584 | 40.73 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.79 | 278 | 454635 | 43.18 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.20 | 276 | 466829 | 43.78 | ng | # | 94 |

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

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