Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122415\
Data File : BF084082.D
Acq On : 24 Dec 2015 16:31
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF122415

**Manual Integrations APPROVED**
Sohil
12/28/2015 1:08:57 PM

Quant Time: Dec 25 03:54:28 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 16:48:39 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 47029 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 189632 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 88516 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 159294 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.96 | 240 | 118317 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.38 | 264 | 92999 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 221679 | 79.92 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 254514 | 74.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 241101 | 74.42 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 66402 | 70.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 454822 | 70.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 444173 | 67.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 45183 | 39.74 | ng | | 98 |
| 3) Pyridine | 3.06 | 79 | 125064 | 45.04 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 49807 | 40.71 | ng | | 92 |
| 6) Aniline | 6.46 | 93 | 172694 | 39.80 | ng | # | 70 |
| 8) 2-Chlorophenol | 6.59 | 128 | 134506 | 39.05 | ng | | 93 |
| 9) Benzaldehyde | 6.35 | 77 | 68707 | 37.43 | ng | | 90 |
| 10) Phenol | 6.46 | 94 | 145268 | 37.00 | ng | # | 62 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 106413 | 37.59 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 146571 | 38.97 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 147882 | 39.08 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 131071 | 37.58 | ng | | 97 |
| 15) Benzyl Alcohol | 6.96 | 79 | 101398 | 39.01 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 103068 | 37.27 | ng | | 58 |
| 17) 2-Methylphenol | 7.07 | 107 | 96196 | 36.37 | ng | # | 92 |
| 18) Hexachloroethane | 7.31 | 117 | 52231 | 37.82 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 77852 | 36.82 | ng | # | 87 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 128949 | 38.22 | ng | # | 48 |
| 22) Acetophenone | 7.22 | 105 | 180485 | 38.09 | ng | # | 90 |
| 24) Nitrobenzene | 7.39 | 77 | 135789 | 39.47 | ng | | 92 |
| 25) Isophorone | 7.63 | 82 | 224438 | 37.45 | ng | | 97 |
| 26) 2-Nitrophenol | 7.71 | 139 | 69294 | 39.36 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 119777 | 40.99 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 119327 | 34.15 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 100379 | 36.99 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 116044 | 39.02 | ng | | 97 |
| 31) Naphthalene | 8.11 | 128 | 388030 | 38.46 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 51392 | 36.68 | ng | | 95 |
| 33) 4-Chloroaniline | 8.17 | 127 | 146242 | 36.43 | ng | # | 88 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 62176 | 36.66 | ng | | 99 |
| 35) Caprolactam | 8.53 | 113 | 29456 | 39.14 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 120670 | 39.55 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 227159 | 35.97 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 107908 | 38.67 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 23338 | 38.73 | ng | | 98 |

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Quant Time: Dec 25 03:54:28 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 68526 | 37.66 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 70334 | 38.62 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 324321 | 40.56 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 233013 | 38.33 | ng | | 96 |
| 47) 2-Nitroaniline | 9.39 | 65 | 66181 | 40.97 | ng | # | 61 |
| 48) Acenaphthylene | 9.70 | 152 | 367606 | 36.82 | ng | | 99 |
| 49) Dimethylphthalate | 9.56 | 163 | 272832 | 37.22 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 62213 | 39.98 | ng | # | 83 |
| 51) Acenaphthene | 9.87 | 154 | 214153 | 36.88 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 70265 | 42.08 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 15921 | 36.77 | ng | | 97 |
| 54) Dibenzofuran | 10.04 | 168 | 283949 | 35.56 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.98 | 139 | 33377 | 39.16 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 74594 | 36.31 | ng | # | 80 |
| 57) Fluorene | 10.38 | 166 | 250668 | 36.93 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 51407 | 39.60 | ng | | 97 |
| 59) Diethylphthalate | 10.26 | 149 | 251856 | 33.82 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 104654 | 33.43 | ng | # | 78 |
| 61) 4-Nitroaniline | 10.41 | 138 | 62322 | 40.38 | ng | | 91 |
| 62) Azobenzene | 10.53 | 77 | 228946 | 37.32 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 33234 | 37.59 | ng | | 78 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 227694 | 40.10 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 72667 | 39.38 | ng | # | 80 |
| 67) Hexachlorobenzene | 10.93 | 284 | 72031 | 35.65 | ng | # | 68 |
| 68) Atrazine | 11.02 | 200 | 59820 | 34.98 | ng | | 99 |
| 69) Pentachlorophenol | 11.14 | 266 | 21177 | 36.52 | ng | | 98 |
| 70) Phenanthrene | 11.34 | 178 | 359963 | 38.12 | ng | | 100 |
| 71) Anthracene | 11.40 | 178 | 364301 | 36.89 | ng | | 98 |
| 72) Carbazole | 11.55 | 167 | 303869 | 36.17 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.88 | 149 | 398002 | 36.78 | ng | # | 98 |
| 74) Fluoranthene | 12.53 | 202 | 391024 | 38.36 | ng | | 95 |
| 76) Benzidine | 12.65 | 184 | 147279 | 36.62 | ng | | 98 |
| 77) Pyrene | 12.76 | 202 | 386583 | 37.87 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.38 | 149 | 161318 | 38.18 | ng | # | 80 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 274476 | 37.71 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 87179 | 39.55 | ng | # | 96 |
| 82) Chrysene | 13.99 | 228 | 269150m | 40.10 | ng | | |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 208595 | 38.21 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.55 | 149 | 298415 | 38.84 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.77 | 276 | 251541 | 37.43 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.98 | 252 | 258073m | 37.37 | ng | | |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 189371m | 40.46 | ng | | |
| 89) Benzo(a)pyrene | 15.32 | 252 | 208212 | 36.59 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 209481 | 37.73 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.19 | 276 | 212150 | 37.43 | ng | | 98 |

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

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