Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121917\
Data File : BF101518.D
Acq On : 19 Dec 2017 13:23
Operator : SJ/JU
Sample : PB105116BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB105116BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:47:42 PM

Quant Time: Dec 19 15:03:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 115744 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 463721 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 214138 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 404852 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 279647 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 228448 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 886726 | 114.12 | ng | | 0.02 |
| 7) Phenol-d6 | 6.46 | 99 | 1024679 | 105.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 658616 | 79.06 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 260636 | 126.31 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1170243 | 84.77 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1171439 | 100.99 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 132225 | 33.117 | ng | | 94 |
| 3) Pyridine | 3.39 | 79 | 350848 | 31.628 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 172212 | 33.717 | ng | | 99 |
| 6) Aniline | 6.48 | 93 | 275341 | 20.489 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.60 | 128 | 309982 | 37.924 | ng | | 97 |
| 9) Benzaldehyde | 6.37 | 77 | 181040 | 25.349 | ng | | 96 |
| 10) Phenol | 6.47 | 94 | 376394 | 34.149 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 308290 | 35.659 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 345145 | 37.413 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 351199 | 37.280 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 321755 | 37.944 | ng | | 97 |
| 15) Benzyl Alcohol | 6.96 | 79 | 233079 | 35.017 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 506894 | 38.309 | ng | | 55 |
| 17) 2-Methylphenol | 7.07 | 107 | 249753 | 33.217 | ng | # | 90 |
| 18) Hexachloroethane | 7.31 | 117 | 121355 | 37.052 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 215644 | 33.956 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 331126 | 41.560 | ng | | 92 |
| 22) Acetophenone | 7.22 | 105 | 428478 | 40.495 | ng | # | 95 |
| 24) Nitrobenzene | 7.40 | 77 | 328993 | 35.684 | ng | | 99 |
| 25) Isophorone | 7.63 | 82 | 601208 | 35.976 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 170643 | 43.081 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 282632 | 42.001 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 387499 | 36.503 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 272877 | 41.046 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 273875 | 39.037 | ng | | 97 |
| 31) Naphthalene | 8.12 | 128 | 871383 | 37.326 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 43220 | 15.912 | ng | | 94 |
| 33) 4-Chloroaniline | 8.17 | 127 | 166014 | 16.361 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 156088 | 38.467 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 86405m | 37.430 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 275497 | 37.703 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 591337 | 38.878 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 286244 | 39.592 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 87997 | 64.077 | ng | | 97 |

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Operator : SJ/JU
Sample : PB105116BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB105116BS

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Quant Time: Dec 19 15:03:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 175225 | 40.258 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 178295 | 37.411 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 723359 | 38.090 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 541821 | 37.287 | ng | | 97 |
| 47) 2-Nitroaniline | 9.40 | 65 | 182537 | 36.364 | ng | | 96 |
| 48) Acenaphthylene | 9.71 | 152 | 814908 | 35.506 | ng | | 100 |
| 49) Dimethylphthalate | 9.57 | 163 | 605024 | 35.126 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 137576 | 39.299 | ng | | 96 |
| 51) Acenaphthene | 9.88 | 154 | 492866 | 35.743 | ng | | 100 |
| 52) 3-Nitroaniline | 9.82 | 138 | 112362 | 25.744 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.95 | 184 | 24627 | 27.913 | ng | # | 13 |
| 54) Dibenzofuran | 10.06 | 168 | 694012 | 39.604 | ng | | 100 |
| 55) 4-Nitrophenol | 10.00 | 139 | 129219 | 67.898 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 169945 | 43.087 | ng | # | 86 |
| 57) Fluorene | 10.40 | 166 | 579299 | 39.078 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 142340 | 41.571 | ng | # | 85 |
| 59) Diethylphthalate | 10.27 | 149 | 631268 | 37.009 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 281953 | 39.686 | ng | | 91 |
| 61) 4-Nitroaniline | 10.43 | 138 | 143483 | 32.706 | ng | | 94 |
| 62) Azobenzene | 10.54 | 77 | 605892 | 34.290 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 39667 | 19.200 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 540536 | 36.159 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 180006 | 39.570 | ng | | 91 |
| 67) Hexachlorobenzene | 10.95 | 284 | 187831 | 39.013 | ng | # | 90 |
| 68) Atrazine | 11.04 | 200 | 182312 | 40.901 | ng | | 97 |
| 69) Pentachlorophenol | 11.16 | 266 | 96971 | 54.105 | ng | | 99 |
| 70) Phenanthrene | 11.36 | 178 | 836964 | 37.175 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 877386 | 38.151 | ng | | 100 |
| 72) Carbazole | 11.58 | 167 | 768082 | 35.672 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 981171 | 37.544 | ng | | 99 |
| 74) Fluoranthene | 12.56 | 202 | 877859 | 37.147 | ng | | 99 |
| 76) Benzidine | 12.68 | 184 | 307808 | 26.061 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 894784 | 42.634 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 383498 | 40.384 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 696629 | 37.726 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.94 | 252 | 149579 | 24.843 | ng | # | 97 |
| 82) Chrysene | 14.02 | 228 | 667940 | 38.311 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 480306 | 39.932 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 735977 | 34.309 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 587899 | 37.866 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 533313 | 38.301 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 514036m | 37.969 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 501531 | 39.071 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.95 | 278 | 486331 | 44.127 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.40 | 276 | 536160 | 49.129 | ng | | 94 |

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

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