Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096774.D
Acq On : 14 Jul 2017 14:31
Operator : SJ/JU
Sample : I4172-13MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-05-ESWMS

**Manual Integrations APPROVED**
mohammad
7/17/2017 3:56:21 PM

Quant Time: Jul 14 18:18:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.64 | 152 | 113026 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.92 | 136 | 445407 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.67 | 164 | 197730 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.15 | 188 | 290642 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.77 | 240 | 152997 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.16 | 264 | 200519 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 993484 | 132.16 | ng | | 0.02 |
| 7) Phenol-d6 | 6.29 | 99 | 1206370 | 133.73 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.20 | 82 | 717657 | 99.80 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.46 | 330 | 197332 | 116.92 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.00 | 172 | 1123967 | 89.81 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.73 | 244 | 695927 | 78.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 135789 | 35.106 | ng | # | 77 |
| 3) Pyridine | 2.99 | 79 | 349505 | 42.995 | ng | # | 64 |
| 4) n-Nitrosodimethylamine | 2.92 | 42 | 225224 | 49.544 | ng | | 81 |
| 6) Aniline | 6.30 | 93 | 238007 | 21.420 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.43 | 128 | 364297 | 44.922 | ng | | 95 |
| 9) Benzaldehyde | 6.18 | 77 | 199287 | 38.222 | ng | | 97 |
| 10) Phenol | 6.30 | 94 | 459728 | 45.082 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.38 | 93 | 363910 | 47.455 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.58 | 146 | 385082 | 44.672 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.66 | 146 | 382776 | 43.848 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.81 | 146 | 359296 | 45.251 | ng | | 99 |
| 15) Benzyl Alcohol | 6.79 | 79 | 294275 | 49.828 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45 | 775155 | 48.980 | ng | | 95 |
| 17) 2-Methylphenol | 6.91 | 107 | 308686 | 48.950 | ng | | 97 |
| 18) Hexachloroethane | 7.15 | 117 | 142837 | 46.144 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.06 | 70 | 252539 | 46.469 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.06 | 107 | 355780 | 46.493 | ng | # | 73 |
| 22) Acetophenone | 7.05 | 105 | 492412 | 49.464 | ng | | 97 |
| 24) Nitrobenzene | 7.22 | 77 | 374242 | 50.322 | ng | | 94 |
| 25) Isophorone | 7.47 | 82 | 691501 | 51.693 | ng | | 95 |
| 26) 2-Nitrophenol | 7.54 | 139 | 202851 | 49.054 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.59 | 122 | 341143 | 50.145 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.68 | 93 | 466087 | 51.562 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.79 | 162 | 304835 | 49.502 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.87 | 180 | 286840 | 48.990 | ng | | 99 |
| 31) Naphthalene | 7.95 | 128 | 1045868 | 49.567 | ng | | 99 |
| 33) 4-Chloroaniline | 7.99 | 127 | 118043 | 14.120 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.07 | 225 | 148383 | 47.473 | ng | | 98 |
| 35) Caprolactam | 8.36 | 113 | 85227m | 43.193 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.49 | 107 | 322824 | 48.754 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.63 | 142 | 692992 | 51.516 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.80 | 216 | 236530 | 44.252 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.79 | 237 | 143963 | 72.134 | ng | | 100 |
| 42) 2,4,6-Trichlorophenol | 8.92 | 196 | 171539 | 43.508 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096774.D
Acq On : 14 Jul 2017 14:31
Operator : SJ/JU
Sample : I4172-13MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
E2-05-ESWMS

**Manual Integrations APPROVED**
mohammad
7/17/2017 3:56:21 PM

Quant Time: Jul 14 18:18:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.96 | 196 | 193468 | 48.654 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.10 | 154 | 763910 | 45.047 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.12 | 162 | 600565 | 48.094 | ng | | 93 |
| 47) 2-Nitroaniline | 9.22 | 65 | 219240 | 51.077 | ng | | 95 |
| 48) Acenaphthylene | 9.53 | 152 | 919982 | 46.239 | ng | | 99 |
| 49) Dimethylphthalate | 9.41 | 163 | 850300 | 57.112 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.46 | 165 | 159572 | 49.482 | ng | # | 83 |
| 51) Acenaphthene | 9.70 | 154 | 528181 | 44.938 | ng | | 99 |
| 52) 3-Nitroaniline | 9.62 | 138 | 88875 | 23.264 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.74 | 184 | 3261 | 8.611 | ng | # | 75 |
| 54) Dibenzofuran | 9.87 | 168 | 739305 | 44.886 | ng | | 98 |
| 55) 4-Nitrophenol | 9.80 | 139 | 218085 | 78.139 | ng | # | 70 |
| 56) 2,4-Dinitrotoluene | 9.87 | 165 | 176858 | 42.679 | ng | # | 77 |
| 57) Fluorene | 10.22 | 166 | 553001 | 45.436 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.00 | 232 | 116929 | 42.401 | ng | | 98 |
| 59) Diethylphthalate | 10.10 | 149 | 671771 | 46.349 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.21 | 204 | 235088 | 47.292 | ng | | 98 |
| 61) 4-Nitroaniline | 10.24 | 138 | 150698 | 42.007 | ng | | 91 |
| 62) Azobenzene | 10.37 | 77 | 640409 | 50.085 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198 | 14235 | 7.801 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.33 | 169 | 534156 | 51.414 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.70 | 248 | 150461 | 50.706 | ng | | 96 |
| 67) Hexachlorobenzene | 10.77 | 284 | 156362 | 47.312 | ng | # | 91 |
| 68) Atrazine | 10.86 | 200 | 154224 | 52.104 | ng | | 93 |
| 69) Pentachlorophenol | 10.96 | 266 | 88691 | 55.550 | ng | | 96 |
| 70) Phenanthrene | 11.17 | 178 | 755928 | 47.834 | ng | | 99 |
| 71) Anthracene | 11.23 | 178 | 790870 | 49.497 | ng | | 99 |
| 72) Carbazole | 11.38 | 167 | 689569 | 44.566 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.72 | 149 | 960353 | 49.836 | ng | | 99 |
| 74) Fluoranthene | 12.36 | 202 | 647569 | 42.810 | ng | | 98 |
| 76) Benzidine | 12.47 | 184 | 261377 | 52.148 | ng | # | 91 |
| 77) Pyrene | 12.58 | 202 | 640712 | 46.143 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.21 | 149 | 316974 | 96.091 | ng | # | 84 |
| 80) Benzo(a)anthracene | 13.76 | 228 | 467035 | 48.992 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.73 | 252 | 128854 | 37.588 | ng | # | 95 |
| 82) Chrysene | 13.80 | 228 | 458000 | 48.803 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.77 | 149 | 369961 | 46.047 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 759925 | 57.220 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 16.48 | 276 | 584354 | 62.528 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.77 | 252 | 570292 | 47.157 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.80 | 252 | 456406 | 39.854 | ng | | 96 |
| 89) Benzo(a)pyrene | 15.10 | 252 | 525239 | 47.353 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.49 | 278 | 471087 | 46.156 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.87 | 276 | 496803 | 45.456 | ng | | 96 |

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096774.D
Acq On : 14 Jul 2017 14:31
Operator : SJ/JU
Sample : I4172-13MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 14 18:18:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
E2-05-ESWMS

**Manual Integrations APPROVED**
mohammad
7/17/2017 3:56:21 PM