Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
Data File : BG037028.D
Acq On : 27 Sep 2018 23:47
Operator : JU/SJ
Sample : J5097-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-1MS

**Manual Integrations APPROVED**
Sohil
9/28/2018 4:24:35 PM

Quant Time: Sep 28 04:44:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 47784 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 190820 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 117743 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 295898 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.68 | 240 | 312069 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.89 | 264 | 317023 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 316724 | 127.12 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 397805 | 103.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 321541 | 90.24 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 182149 | 129.30 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 644727 | 81.55 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.02 | 244 | 1108031 | 93.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 50896 | 44.641 | ng | # | 82 |
| 3) Pyridine | 3.94 | 79 | 122046 | 37.073 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 81694 | 55.834 | ng | # | 90 |
| 6) Aniline | 7.37 | 93 | 108493 | 21.690 | ng | | 95 |
| 8) 2-Chlorophenol | 7.61 | 128 | 132188 | 45.691 | ng | | 93 |
| 9) Benzaldehyde | 7.18 | 77 | 83916 | 32.943 | ng | | 98 |
| 10) Phenol | 7.24 | 94 | 155539 | 39.095 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 136608 | 37.120 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 146697 | 41.359 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 145115 | 39.980 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 139283 | 39.598 | ng | | 95 |
| 15) Benzyl Alcohol | 8.28 | 79 | 126339 | 40.390 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 295639 | 41.843 | ng | | 97 |
| 17) 2-Methylphenol | 8.48 | 107 | 114819 | 41.431 | ng | | 97 |
| 18) Hexachloroethane | 9.12 | 117 | 57354 | 42.938 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 121280 | 37.818 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 157968 | 40.974 | ng | | 95 |
| 22) Acetophenone | 8.86 | 105 | 215493 | 48.056 | ng | # | 94 |
| 24) Nitrobenzene | 9.25 | 77 | 177779 | 46.719 | ng | | 98 |
| 25) Isophorone | 9.76 | 82 | 331812 | 50.962 | ng | | 99 |
| 26) 2-Nitrophenol | 9.96 | 139 | 74618 | 49.195 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 123665 | 52.341 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 190950 | 47.528 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 136840 | 49.962 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 145942 | 42.579 | ng | | 99 |
| 31) Naphthalene | 10.90 | 128 | 432370 | 47.621 | ng | | 98 |
| 32) Benzoic acid | 10.14 | 122 | 24042m | 17.490 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 23580 | 5.712 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 102137 | 43.090 | ng | | 97 |
| 35) Caprolactam | 11.78 | 113 | 38923m | 34.528 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 156964 | 48.030 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 318654 | 46.082 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 177839 | 43.305 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 214476 | 101.548 | ng | | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
Data File : BG037028.D
Acq On : 27 Sep 2018 23:47
Operator : JU/SJ
Sample : J5097-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1MS

**Manual Integrations APPROVED**
Sohil
9/28/2018 4:24:35 PM

Quant Time: Sep 28 04:44:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 115698 | 50.735 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 125434 | 51.584 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 413909 | 45.901 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 317552 | 44.779 | ng | | 98 |
| 47) 2-Nitroaniline | 13.75 | 65 | 121415 | 49.500 | ng | | 96 |
| 48) Acenaphthylene | 14.39 | 152 | 538184 | 48.431 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 431267 | 45.504 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 93765 | 45.345 | ng | | 95 |
| 51) Acenaphthene | 14.73 | 154 | 308343 | 45.911 | ng | | 98 |
| 52) 3-Nitroaniline | 14.57 | 138 | 39804 | 18.267 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 54287 | 58.312 | ng | # | 90 |
| 54) Dibenzofuran | 15.06 | 168 | 509832 | 44.879 | ng | | 98 |
| 55) 4-Nitrophenol | 14.88 | 139 | 131200 | 94.252 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 135929 | 47.109 | ng | | 97 |
| 57) Fluorene | 15.71 | 166 | 411683 | 48.486 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 122525 | 49.670 | ng | | 96 |
| 59) Diethylphthalate | 15.48 | 149 | 435424 | 45.551 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 227155 | 42.244 | ng | | 98 |
| 61) 4-Nitroaniline | 15.74 | 138 | 100391 | 43.801 | ng | | 97 |
| 62) Azobenzene | 16.00 | 77 | 451610 | 49.169 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 60589 | 39.165 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 368849 | 45.153 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.60 | 248 | 146619 | 43.563 | ng | | 95 |
| 67) Hexachlorobenzene | 16.72 | 284 | 148656 | 42.885 | ng | | 99 |
| 68) Atrazine | 16.87 | 200 | 161781 | 48.911 | ng | | 100 |
| 69) Pentachlorophenol | 17.06 | 266 | 155737 | 71.358 | ng | | 98 |
| 70) Phenanthrene | 17.45 | 178 | 696375 | 48.837 | ng | | 98 |
| 71) Anthracene | 17.55 | 178 | 718568 | 50.964 | ng | | 100 |
| 72) Carbazole | 17.82 | 167 | 636610 | 46.309 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 754108 | 49.396 | ng | | 99 |
| 74) Fluoranthene | 19.46 | 202 | 854527 | 49.786 | ng | | 99 |
| 76) Benzidine | 19.65 | 184 | 165840 | 17.579 | ng | | 99 |
| 77) Pyrene | 19.82 | 202 | 849791 | 45.378 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 358147 | 47.981 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.66 | 228 | 849986 | 46.659 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 148622 | 21.434 | ng | | 98 |
| 82) Chrysene | 21.73 | 228 | 799318 | 45.413 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 494077 | 47.382 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.77 | 149 | 835652 | 48.673 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.53 | 276 | 948970 | 50.208 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 820462 | 48.563 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.94 | 252 | 822522 | 48.526 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.73 | 252 | 805855 | 49.337 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.59 | 278 | 769346 | 50.258 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 29.67 | 276 | 780102 | 50.777 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
Data File : BG037028.D
Acq On : 27 Sep 2018 23:47
Operator : JU/SJ
Sample : J5097-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 28 04:44:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
TP-1MS

**Manual Integrations APPROVED**
Sohil
9/28/2018 4:24:35 PM