Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071020\
Data File : BP002724.D
Acq On : 10 Jul 2020 16:44
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** ICVBP071020

Quant Time: Jul 10 18:29:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 10 18:21:37 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 176587 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.33 | 136 | 680273 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.21 | 164 | 420161 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.97 | 188 | 907054 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.08 | 240 | 861054 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.27 | 264 | 906903 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.18 | 112 | 812536 | 77.63 | ng | | 0.00 |
| 7) Phenol-d6 | 6.76 | 99 | 1157767 | 77.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.70 | 82 | 1027550 | 80.79 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.72 | 330 | 348673 | 79.50 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.82 | 172 | 2124409 | 78.22 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.56 | 244 | 2877270 | 76.61 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.12 | 88 | 174566 | 38.256 | ng | | 99 |
| 3) Pyridine | 3.50 | 79 | 526276 | 38.700 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.42 | 42 | 205026 | 40.022 | ng | | 96 |
| 6) Aniline | 6.89 | 93 | 736895 | 38.969 | ng | | 98 |
| 8) 2-Chlorophenol | 7.13 | 128 | 451316 | 38.757 | ng | | 100 |
| 9) Benzaldehyde | 6.70 | 77 | 293108 | 36.117 | ng | | 97 |
| 10) Phenol | 6.78 | 94 | 596300 | 38.970 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.99 | 93 | 488619 | 38.392 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.45 | 146 | 510780 | 38.252 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.59 | 146 | 512977 | 38.280 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.90 | 146 | 489968 | 37.915 | ng | | 99 |
| 15) Benzyl Alcohol | 7.80 | 79 | 402526 | 40.270 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.09 | 45 | 699661 | 38.225 | ng | | 98 |
| 17) 2-Methylphenol | 8.02 | 107 | 422762 | 38.781 | ng | | 99 |
| 18) Hexachloroethane | 8.62 | 117 | 184002 | 38.767 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.36 | 70 | 356986 | 39.245 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.35 | 107 | 562785 | 39.044 | ng | | 97 |
| 22) Acetophenone | 8.37 | 105 | 666465 | 39.740 | ng | # | 97 |
| 24) Nitrobenzene | 8.75 | 77 | 553157 | 40.157 | ng | | 99 |
| 25) Isophorone | 9.27 | 82 | 1033682 | 39.875 | ng | | 99 |
| 26) 2-Nitrophenol | 9.45 | 139 | 247579 | 41.613 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.53 | 122 | 384678 | 39.825 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.76 | 93 | 623714 | 39.612 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.00 | 162 | 430412 | 40.417 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.20 | 180 | 478068 | 39.193 | ng | | 99 |
| 31) Naphthalene | 10.37 | 128 | 1401796 | 39.030 | ng | | 99 |
| 32) Benzoic acid | 9.70 | 122 | 275265 | 38.478 | ng | | 99 |
| 33) 4-Chloroaniline | 10.49 | 127 | 620819 | 40.339 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.67 | 225 | 276118 | 39.164 | ng | | 99 |
| 35) Caprolactam | 11.26 | 113 | 150463 | 40.409 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.65 | 107 | 463426 | 40.371 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.00 | 142 | 996967 | 39.337 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.23 | 142 | 944429 | 39.398 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 504427 | 39.064 | ng | | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071020\
Data File : BP002724.D
Acq On : 10 Jul 2020 16:44
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** ICVBP071020

Quant Time: Jul 10 18:29:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 10 18:21:37 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.37 | 237 | 189179 | 37.436 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.63 | 196 | 338008 | 40.895 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 12.72 | 196 | 394226 | 41.124 ng | 100 |
| 46) 1,1'-Biphenyl | 13.03 | 154 | 1223878 | 39.072 ng | 99 |
| 47) 2-Chloronaphthalene | 13.07 | 162 | 1009032 | 39.660 ng | 98 |
| 48) 2-Nitroaniline | 13.29 | 65 | 328691 | 41.795 ng | 98 |
| 49) Acenaphthylene | 13.93 | 152 | 1595577 | 39.782 ng | 99 |
| 50) Dimethylphthalate | 13.68 | 163 | 1260877 | 39.349 ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.79 | 165 | 282483 | 41.178 ng | 100 |
| 52) Acenaphthene | 14.27 | 154 | 940457 | 39.235 ng | 99 |
| 53) 3-Nitroaniline | 14.12 | 138 | 326004 | 42.475 ng | 99 |
| 54) 2,4-Dinitrophenol | 14.35 | 184 | 113200 | 36.750 ng | 100 |
| 55) Dibenzofuran | 14.62 | 168 | 1496200 | 38.920 ng | 98 |
| 56) 4-Nitrophenol | 14.47 | 139 | 226071 | 39.445 ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 385339 | 42.652 ng | 99 |
| 58) Fluorene | 15.27 | 166 | 1108401 | 38.965 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 301675 | 39.923 ng | 99 |
| 60) Diethylphthalate | 15.06 | 149 | 1227382 | 39.507 ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.27 | 204 | 582184 | 38.518 ng | 97 |
| 62) 4-Nitroaniline | 15.30 | 138 | 329108 | 40.363 ng | 99 |
| 63) Azobenzene | 15.56 | 77 | 1278889 | 40.035 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 201141 | 38.295 ng | 94 |
| 66) n-Nitrosodiphenylamine | 15.49 | 169 | 1053167 | 39.305 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.17 | 248 | 380415 | 38.502 ng | 98 |
| 68) Hexachlorobenzene | 16.29 | 284 | 396178 | 38.057 ng | 96 |
| 69) Atrazine | 16.45 | 200 | 298006 | 40.739 ng | 98 |
| 70) Pentachlorophenol | 16.64 | 266 | 167338 | 37.585 ng | 99 |
| 71) Phenanthrene | 17.02 | 178 | 1911712 | 38.926 ng | 99 |
| 72) Anthracene | 17.10 | 178 | 1903215 | 39.492 ng | 100 |
| 73) Carbazole | 17.38 | 167 | 1887874 | 39.919 ng | 98 |
| 74) Di-n-butylphthalate | 17.96 | 149 | 2117430 | 41.283 ng | 100 |
| 75) Fluoranthene | 19.00 | 202 | 2292281 | 40.282 ng | 98 |
| 77) Benzidine | 19.19 | 184 | 753110 | 35.286 ng | 99 |
| 78) Pyrene | 19.35 | 202 | 2368322 | 39.837 ng | 99 |
| 80) Butylbenzylphthalate | 20.25 | 149 | 1003289 | 42.766 ng | 98 |
| 81) Benzo(a)anthracene | 21.07 | 228 | 2216641 | 39.769 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.00 | 252 | 761458 | 41.250 ng | 99 |
| 83) Chrysene | 21.12 | 228 | 2102386 | 39.625 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 1391130 | 42.635 ng | 99 |
| 85) Di-n-octyl phthalate | 21.88 | 149 | 2516137 | 42.892 ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 25.49 | 276 | 2675461 | 40.817 ng | 99 |
| 88) Benzo(b)fluoranthene | 22.62 | 252 | 2385206 | 42.356 ng | 99 |
| 89) Benzo(k)fluoranthene | 22.66 | 252 | 2155937 | 38.868 ng | 99 |
| 90) Benzo(a)pyrene | 23.18 | 252 | 2184425 | 40.934 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 25.50 | 278 | 2184566 | 41.326 ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.16 | 276 | 2186653 | 40.798 ng | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071020\
Data File : BP002724.D
Acq On : 10 Jul 2020 16:44
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP071020

Quant Time: Jul 10 18:29:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 10 18:21:37 2020
Response via : Initial Calibration