Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
Data File : BG040002.D
Acq On : 19 Mar 2019 14:42
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Mar 20 04:07:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 48243 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.97 | 136 | 207571 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 134890 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.52 | 188 | 338773 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.80 | 240 | 291389 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.16 | 264 | 280340 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.68 | 112 | 221157 | 78.21 | ng | | -0.02 |
| 7) Phenol-d6 | 7.29 | 99 | 316756 | 75.12 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 310168 | 80.82 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 124207 | 79.00 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.39 | 172 | 707525 | 74.68 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.11 | 244 | 1205029 | 91.05 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 48089 | 36.835 | ng | | 97 |
| 3) Pyridine | 3.99 | 79 | 139354 | 39.871 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.91 | 42 | 71173 | 42.925 | ng | # | 90 |
| 6) Aniline | 7.47 | 93 | 201978 | 36.563 | ng | | 99 |
| 8) 2-Chlorophenol | 7.71 | 128 | 127993 | 37.308 | ng | | 93 |
| 9) Benzaldehyde | 7.28 | 77 | 88405 | 32.503 | ng | | 99 |
| 10) Phenol | 7.32 | 94 | 168898 | 36.976 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 132330 | 37.157 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 146401 | 37.732 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 148548 | 37.587 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 141636 | 37.092 | ng | | 97 |
| 15) Benzyl Alcohol | 8.38 | 79 | 121922 | 36.452 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 262465 | 36.849 | ng | | 98 |
| 17) 2-Methylphenol | 8.57 | 107 | 106378 | 36.524 | ng | | 97 |
| 18) Hexachloroethane | 9.23 | 117 | 54235 | 38.245 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 105953 | 34.911 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 143474 | 35.459 | ng | | 98 |
| 22) Acetophenone | 8.97 | 105 | 211299 | 37.927 | ng | # | 96 |
| 24) Nitrobenzene | 9.36 | 77 | 158982 | 39.486 | ng | | 98 |
| 25) Isophorone | 9.88 | 82 | 302638 | 37.634 | ng | | 100 |
| 26) 2-Nitrophenol | 10.07 | 139 | 76424 | 39.313 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 114893 | 38.002 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 180681 | 36.972 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.61 | 162 | 131391 | 38.599 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 146715 | 38.303 | ng | | 99 |
| 31) Naphthalene | 11.02 | 128 | 409738 | 37.283 | ng | | 98 |
| 32) Benzoic acid | 10.26 | 122 | 75185 | 37.838 | ng | | 95 |
| 33) 4-Chloroaniline | 11.13 | 127 | 173232 | 37.172 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.28 | 225 | 101800 | 38.892 | ng | | 98 |
| 35) Caprolactam | 11.92 | 113 | 47906 | 36.842 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 144759 | 37.098 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 298918 | 36.380 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.83 | 142 | 289446 | 36.250 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 173210 | 37.904 | ng | | 99 |

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Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Mar 20 04:07:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.93 | 237 | 102512 | 41.860 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.20 | 196 | 106604 | 39.846 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.28 | 196 | 114500 | 37.969 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 411649 | 37.104 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.66 | 162 | 307962 | 36.898 | ng | | 98 |
| 48) 2-Nitroaniline | 13.87 | 65 | 110077 | 41.039 | ng | | 98 |
| 49) Acenaphthylene | 14.50 | 152 | 514050 | 37.518 | ng | | 100 |
| 50) Dimethylphthalate | 14.22 | 163 | 414661 | 36.763 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.35 | 165 | 95424 | 39.907 | ng | | 99 |
| 52) Acenaphthene | 14.84 | 154 | 303389 | 36.790 | ng | | 99 |
| 53) 3-Nitroaniline | 14.68 | 138 | 94896 | 39.480 | ng | # | 96 |
| 54) 2,4-Dinitrophenol | 14.89 | 184 | 59132 | 41.893 | ng | | 97 |
| 55) Dibenzofuran | 15.17 | 168 | 495790 | 36.644 | ng | | 98 |
| 56) 4-Nitrophenol | 14.98 | 139 | 88251 | 41.043 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.14 | 165 | 136033 | 40.488 | ng | | 91 |
| 58) Fluorene | 15.82 | 166 | 396707 | 37.297 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 113202 | 38.437 | ng | | 99 |
| 60) Diethylphthalate | 15.57 | 149 | 417735 | 37.412 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.80 | 204 | 207307 | 36.525 | ng | | 98 |
| 62) 4-Nitroaniline | 15.85 | 138 | 105900 | 40.640 | ng | | 97 |
| 63) Azobenzene | 16.09 | 77 | 387765 | 38.311 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 81890 | 40.883 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 16.02 | 169 | 357614 | 36.463 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.69 | 248 | 136807 | 36.078 | ng | | 99 |
| 68) Hexachlorobenzene | 16.81 | 284 | 143672 | 36.552 | ng | | 97 |
| 69) Atrazine | 16.96 | 200 | 144463 | 37.427 | ng | | 96 |
| 70) Pentachlorophenol | 17.16 | 266 | 96579 | 38.905 | ng | | 98 |
| 71) Phenanthrene | 17.56 | 178 | 687188 | 36.827 | ng | | 99 |
| 72) Anthracene | 17.65 | 178 | 680567 | 37.427 | ng | | 98 |
| 73) Carbazole | 17.93 | 167 | 637035 | 38.860 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 785343 | 40.718 | ng | | 99 |
| 75) Fluoranthene | 19.56 | 202 | 871669 | 39.526 | ng | | 99 |
| 77) Benzidine | 19.74 | 184 | 372024 | 40.233 | ng | | 99 |
| 78) Pyrene | 19.92 | 202 | 875736 | 46.250 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.79 | 149 | 303395 | 41.358 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.78 | 228 | 686518 | 37.592 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.70 | 252 | 232382 | 34.853 | ng | | 99 |
| 83) Chrysene | 21.85 | 228 | 655061 | 36.999 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 382826 | 37.137 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.90 | 149 | 649666 | 38.062 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.04 | 276 | 718731 | 35.784 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.09 | 252 | 633696 | 37.907 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.16 | 252 | 581548 | 37.372 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.01 | 252 | 602133 | 38.979 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.09 | 278 | 565482 | 37.340 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.25 | 276 | 576183 | 37.883 | ng | | 96 |

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
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