Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106365.D
Acq On : 13 Jun 2018 00:59
Operator : JU/SJ
Sample : PB110114BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB110114BS

**Manual Integrations APPROVED**
Sohil
6/13/2018 4:56:29 PM

Quant Time: Jun 13 04:46:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.98 | 152 | 150703 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 531037 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 215809 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 398097 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.16 | 240 | 370101 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.69 | 264 | 265003 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1068555 | 120.01 | ng | | 0.04 |
| 7) Phenol-d6 | 6.62 | 99 | 1317305 | 117.10 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 838090 | 92.84 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 291962 | 140.61 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1229757 | 111.17 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.09 | 244 | 1377022 | 92.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.89 | 88 | 150889 | 32.744 | ng | | 96 |
| 3) Pyridine | 3.65 | 79 | 448296 | 34.909 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 208627 | 35.463 | ng | | 98 |
| 6) Aniline | 6.64 | 93 | 193787 | 11.797 | ng | # | 2 |
| 8) 2-Chlorophenol | 6.78 | 128 | 371700 | 38.818 | ng | | 99 |
| 9) Benzaldehyde | 6.53 | 77 | 274290 | 32.145 | ng | | 99 |
| 10) Phenol | 6.64 | 94 | 480046 | 39.088 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 418957 | 39.850 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 431290 | 38.270 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.00 | 146 | 435788 | 38.105 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 395906 | 36.774 | ng | | 98 |
| 15) Benzyl Alcohol | 7.12 | 79 | 333438 | 34.610 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 581513 | 38.586 | ng | | 54 |
| 17) 2-Methylphenol | 7.25 | 107 | 318629 | 37.297 | ng | # | 87 |
| 18) Hexachloroethane | 7.49 | 117 | 133291 | 32.710 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 285824 | 33.866 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.41 | 107 | 440682 | 40.336 | ng | | 91 |
| 22) Acetophenone | 7.38 | 105 | 531587 | 39.722 | ng | # | 98 |
| 24) Nitrobenzene | 7.56 | 77 | 414150 | 42.212 | ng | | 98 |
| 25) Isophorone | 7.80 | 82 | 749739 | 42.523 | ng | | 96 |
| 26) 2-Nitrophenol | 7.87 | 139 | 187704 | 49.289 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 333099 | 44.626 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 482345 | 42.190 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 322637 | 44.804 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 324002 | 40.128 | ng | | 95 |
| 31) Naphthalene | 8.28 | 128 | 979055 | 40.784 | ng | | 99 |
| 32) Benzoic acid | 8.04 | 122 | 169915 | 33.466 | ng | | 93 |
| 33) 4-Chloroaniline | 8.33 | 127 | 90187 | 8.478 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 219123 | 42.243 | ng | | 98 |
| 35) Caprolactam | 8.70 | 113 | 94530 | 38.810 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 303419 | 38.091 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 650438 | 39.781 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 326829 | 46.651 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.12 | 237 | 41293 | 10.683 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.26 | 196 | 210863 | 47.230 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 177371m | 36.852 | ng | | |
| 45) 1,1'-Biphenyl | 9.44 | 154 | 741949 | 44.387 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.47 | 162 | 577366 | 43.162 | ng | | 96 |
| 47) 2-Nitroaniline | 9.56 | 65 | 198352 | 47.136 | ng | | 89 |
| 48) Acenaphthylene | 9.88 | 152 | 892143 | 43.573 | ng | | 98 |
| 49) Dimethylphthalate | 9.73 | 163 | 711229 | 46.129 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 140369 | 44.569 | ng | | 90 |
| 51) Acenaphthene | 10.05 | 154 | 527698 | 39.908 | ng | | 99 |
| 52) 3-Nitroaniline | 9.97 | 138 | 89815 | 24.027 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 44878 | 36.308 | ng | # | 17 |
| 54) Dibenzofuran | 10.22 | 168 | 742709 | 41.712 | ng | | 97 |
| 55) 4-Nitrophenol | 10.18 | 139 | 200763 | 70.070 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 173548 | 43.881 | ng | | 98 |
| 57) Fluorene | 10.57 | 166 | 572271 | 40.565 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 167326 | 43.863 | ng | # | 85 |
| 59) Diethylphthalate | 10.43 | 149 | 655292 | 42.820 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204 | 308324 | 41.553 | ng | | 92 |
| 61) 4-Nitroaniline | 10.58 | 138 | 128760 | 35.404 | ng | | 98 |
| 62) Azobenzene | 10.72 | 77 | 631410 | 39.568 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 40341 | 22.616 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.68 | 169 | 540667 | 40.410 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 11.05 | 248 | 198659 | 43.875 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.12 | 284 | 196208 | 42.032 | ng | # | 84 |
| 68) Atrazine | 11.20 | 200 | 177266 | 42.993 | ng | | 96 |
| 69) Pentachlorophenol | 11.32 | 266 | 174922 | 60.865 | ng | | 97 |
| 70) Phenanthrene | 11.54 | 178 | 825073 | 42.319 | ng | | 98 |
| 71) Anthracene | 11.59 | 178 | 855694 | 43.810 | ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 774074 | 42.928 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.06 | 149 | 929281 | 46.305 | ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 956806 | 46.018 | ng | | 98 |
| 76) Benzidine | 12.85 | 184 | 686177 | 55.708 | ng | | 99 |
| 77) Pyrene | 12.96 | 202 | 978107 | 42.213 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 445229 | 51.333 | ng | # | 95 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 917112 | 41.641 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 317608 | 42.741 | ng | # | 97 |
| 82) Chrysene | 14.19 | 228 | 842387 | 41.892 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 606284 | 48.752 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.75 | 149 | 1001812 | 55.879 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.27 | 276 | 634916 | 39.563 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 15.24 | 252 | 701635 | 43.800 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 687037 | 43.306 | ng | # | 97 |
| 89) Benzo(a)pyrene | 15.63 | 252 | 637303 | 44.231 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.29 | 278 | 537804 | 44.771 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.75 | 276 | 534232 | 45.763 | ng | # | 93 |

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

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