Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102743.D
Acq On : 5 Feb 2018 17:38
Operator : SJ/JU
Sample : J1399-02MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OR-01-020218-AMSD

**Manual Integrations APPROVED**

Sohil

2/6/2018 2:25:37 PM

Quant Time: Feb 06 11:20:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 221497 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 902742 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 397583 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.41 | 188 | 611597 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.04 | 240 | 353385 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.52 | 264 | 304199 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 1658194 | 113.69 | ng | | 0.02 |
| 7) Phenol-d6 | 6.52 | 99 | 1832382 | 104.34 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 1353796 | 104.03 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 429548 | 134.23 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 2242721 | 93.60 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 1596889 | 107.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.88 | 88 | 254649m | 35.349 | ng | | |
| 3) Pyridine | 3.59 | 79 | 407714m | 20.485 | ng | | |
| 4) n-Nitrosodimethylamine | 3.53 | 42 | 381720m | 44.826 | ng | | |
| 6) Aniline | 6.56 | 93 | 160119 | 6.174 | ng | | 96 |
| 8) 2-Chlorophenol | 6.67 | 128 | 631351 | 42.047 | ng | | 93 |
| 9) Benzaldehyde | 6.43 | 77 | 222242 | 17.041 | ng | | 97 |
| 10) Phenol | 6.53 | 94 | 668565 | 35.524 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 687003 | 43.869 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 678971 | 39.048 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 683312 | 39.450 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 628911 | 38.983 | ng | | 99 |
| 15) Benzyl Alcohol | 7.02 | 79 | 313616 | 23.228 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 1220664 | 41.032 | ng | | 95 |
| 17) 2-Methylphenol | 7.13 | 107 | 549391 | 39.666 | ng | | 98 |
| 18) Hexachloroethane | 7.39 | 117 | 236171 | 39.762 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 456591 | 39.434 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 610262 | 35.730 | ng | # | 73 |
| 22) Acetophenone | 7.29 | 105 | 895638 | 40.543 | ng | # | 94 |
| 24) Nitrobenzene | 7.47 | 77 | 713817 | 46.635 | ng | | 96 |
| 25) Isophorone | 7.70 | 82 | 1332755 | 44.477 | ng | | 100 |
| 26) 2-Nitrophenol | 7.78 | 139 | 355020 | 54.927 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 622719 | 49.189 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 620644 | 34.964 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 558280 | 48.510 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 548916 | 42.162 | ng | | 98 |
| 31) Naphthalene | 8.19 | 128 | 1960729 | 44.455 | ng | | 99 |
| 32) Benzoic acid | 7.94 | 122 | 453730 | 49.940 | ng | | 98 |
| 33) 4-Chloroaniline | 8.23 | 127 | 56625 | 2.980 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 278527 | 41.749 | ng | | 99 |
| 35) Caprolactam | 8.61 | 113 | 152745m | 38.217 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 590704 | 45.682 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.88 | 142 | 1258004 | 43.564 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 476900 | 44.053 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.03 | 237 | 268485 | 52.171 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.16 | 196 | 360351 | 50.679 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 384653 | 47.997 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.35 | 154 | 1435632 | 42.871 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.37 | 162 | 1126864 | 42.743 | ng | | 98 |
| 47) 2-Nitroaniline | 9.46 | 65 | 362042 | 44.756 | ng | | 91 |
| 48) Acenaphthylene | 9.79 | 152 | 1621645 | 39.603 | ng | | 99 |
| 49) Dimethylphthalate | 9.65 | 163 | 1376687 | 44.409 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 300615 | 50.970 | ng | # | 91 |
| 51) Acenaphthene | 9.96 | 154 | 1086354 | 44.363 | ng | | 98 |
| 52) 3-Nitroaniline | 9.87 | 138 | 96668 | 13.321 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 167420 | 82.533 | ng | # | 22 |
| 54) Dibenzofuran | 10.13 | 168 | 1502984 | 43.553 | ng | | 99 |
| 55) 4-Nitrophenol | 10.03 | 139 | 431650 | 72.763 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.11 | 165 | 388830 | 49.083 | ng | | 97 |
| 57) Fluorene | 10.47 | 166 | 1077933 | 42.931 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 277565 | 49.971 | ng | | 99 |
| 59) Diethylphthalate | 10.35 | 149 | 1309076 | 42.766 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204 | 494133 | 44.488 | ng | | 99 |
| 61) 4-Nitroaniline | 10.49 | 138 | 158912 | 23.005 | ng | | 91 |
| 62) Azobenzene | 10.62 | 77 | 845912 | 27.663 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 115731 | 46.147 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 10.58 | 169 | 393587 | 18.245 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.95 | 248 | 315344 | 48.743 | ng | | 97 |
| 67) Hexachlorobenzene | 11.02 | 284 | 318329 | 44.602 | ng | # | 88 |
| 68) Atrazine | 11.10 | 200 | 22952 | 3.606 | ng | | 98 |
| 69) Pentachlorophenol | 11.21 | 266 | 349469 | 83.413 | ng | | 98 |
| 70) Phenanthrene | 11.43 | 178 | 1471520 | 43.201 | ng | | 99 |
| 71) Anthracene | 11.49 | 178 | 1495660 | 43.172 | ng | | 100 |
| 72) Carbazole | 11.63 | 167 | 498617 | 14.691 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.97 | 149 | 1900163 | 46.088 | ng | | 99 |
| 74) Fluoranthene | 12.62 | 202 | 1290693 | 37.662 | ng | | 99 |
| 77) Pyrene | 12.85 | 202 | 1230780 | 44.415 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 688447 | 51.854 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.03 | 228 | 1012730 | 45.568 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 28522 | 3.461 | ng | | 99 |
| 82) Chrysene | 14.07 | 228 | 981468 | 43.809 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 920547 | 54.228 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.63 | 149 | 1523663 | 59.777 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.02 | 276 | 865547 | 46.582 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.09 | 252 | 1016265 | 51.529 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 954052 | 50.628 | ng | | 100 |
| 89) Benzo(a)pyrene | 15.46 | 252 | 901361 | 50.774 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.04 | 278 | 753597 | 52.300 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.47 | 276 | 690678 | 48.972 | ng | | 97 |

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

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