Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\
Data File : BF115178.D
Acq On : 25 Jun 2019 9:44
Operator : HP/JU
Sample : PB120877BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB120877BS

**Manual Integrations APPROVED**
mohammad
6/26/2019 2:03:04 PM

Quant Time: Jun 26 06:33:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 270863 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1072494 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 534430 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 1060499 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 716126 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.09 | 264 | 785761 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 1979472 | 112.78 | ng | | 0.02 |
| 7) Phenol-d6 | 6.26 | 99 | 2409416 | 113.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1500611 | 86.07 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.43 | 330 | 699134 | 124.05 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.98 | 172 | 2775780 | 88.22 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.70 | 244 | 2880767 | 85.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.28 | 88 | 305993 | 36.939 | ng | | 99 |
| 3) Pyridine | 2.94 | 79 | 834801 | 35.755 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.88 | 42 | 344335 | 37.620 | ng | | 96 |
| 6) Aniline | 6.27 | 93 | 721940 | 24.656 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.40 | 128 | 828485 | 41.977 | ng | | 99 |
| 9) Benzaldehyde | 6.15 | 77 | 118557 | 8.530 | ng | | 98 |
| 10) Phenol | 6.27 | 94 | 948861 | 38.023 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 747733 | 40.648 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 874717 | 39.934 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 881616 | 40.138 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 820206 | 40.323 | ng | | 98 |
| 15) Benzyl Alcohol | 6.76 | 79 | 578292 | 37.278 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1067598 | 40.014 | ng | | 95 |
| 17) 2-Methylphenol | 6.88 | 107 | 737561 | 45.274 | ng | | 98 |
| 18) Hexachloroethane | 7.12 | 117 | 316648 | 39.987 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 531975 | 39.003 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 819155 | 43.546 | ng | | 96 |
| 22) Acetophenone | 7.02 | 105 | 1087916 | 44.309 | ng | # | 97 |
| 24) Nitrobenzene | 7.20 | 77 | 841000 | 43.785 | ng | | 99 |
| 25) Isophorone | 7.44 | 82 | 1551850 | 43.450 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 474748 | 50.050 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 782685 | 50.397 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 962958 | 42.658 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 733143 | 45.744 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 776031 | 43.835 | ng | | 100 |
| 31) Naphthalene | 7.92 | 128 | 2310931 | 43.896 | ng | | 100 |
| 32) Benzoic acid | 7.70 | 122 | 627187 | 56.576 | ng | | 99 |
| 33) 4-Chloroaniline | 7.97 | 127 | 557305 | 23.163 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 419581 | 43.249 | ng | | 98 |
| 35) Caprolactam | 8.34 | 113 | 243538m | 45.196 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.46 | 107 | 746693 | 46.004 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1608834 | 45.323 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1515973 | 44.717 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 682626 | 45.201 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 714065 | 79.739 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 530604 | 45.509 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 8.93 | 196 | 580386 | 48.338 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 1869302 | 43.714 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 1496647 | 43.148 | ng | | 97 |
| 48) 2-Nitroaniline | 9.18 | 65 | 455355 | 45.029 | ng | | 98 |
| 49) Acenaphthylene | 9.51 | 152 | 2307644 | 42.700 | ng | | 98 |
| 50) Dimethylphthalate | 9.38 | 163 | 1734105 | 44.103 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 419090 | 46.168 | ng | | 99 |
| 52) Acenaphthene | 9.68 | 154 | 1420681 | 42.011 | ng | | 99 |
| 53) 3-Nitroaniline | 9.60 | 138 | 318964 | 28.794 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 469859 | 98.700 | ng | | 93 |
| 55) Dibenzofuran | 9.85 | 168 | 2039923 | 42.028 | ng | | 98 |
| 56) 4-Nitrophenol | 9.77 | 139 | 778672 | 87.679 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 558887 | 47.682 | ng | | 92 |
| 58) Fluorene | 10.19 | 166 | 1402240 | 43.116 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 493102 | 48.977 | ng | | 98 |
| 60) Diethylphthalate | 10.08 | 149 | 1701757 | 43.056 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 680728 | 44.207 | ng | | 97 |
| 62) 4-Nitroaniline | 10.21 | 138 | 472721 | 42.538 | ng | | 97 |
| 63) Azobenzene | 10.34 | 77 | 1557638 | 42.193 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 275354 | 48.715 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.31 | 169 | 1427117 | 43.194 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 490619 | 42.670 | ng | | 96 |
| 68) Hexachlorobenzene | 10.74 | 284 | 536971 | 43.025 | ng | | 99 |
| 69) Atrazine | 10.84 | 200 | 458395 | 43.130 | ng | | 100 |
| 70) Pentachlorophenol | 10.92 | 266 | 679538 | 85.467 | ng | | 98 |
| 71) Phenanthrene | 11.14 | 178 | 2277861 | 39.893 | ng | | 99 |
| 72) Anthracene | 11.20 | 178 | 2361336 | 40.969 | ng | | 99 |
| 73) Carbazole | 11.34 | 167 | 2176101 | 42.281 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 2464624 | 41.440 | ng | | 99 |
| 75) Fluoranthene | 12.32 | 202 | 2380191 | 41.780 | ng | | 99 |
| 77) Benzidine | 12.44 | 184 | 836217 | 26.297 | ng | | 100 |
| 78) Pyrene | 12.54 | 202 | 2435213 | 44.249 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 1136955 | 46.813 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.72 | 228 | 2254401 | 43.873 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.69 | 252 | 730904 | 39.390 | ng | | 99 |
| 83) Chrysene | 13.77 | 228 | 2103701 | 44.694 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 1458043 | 45.816 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.35 | 149 | 2520347 | 47.136 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 2617693 | 46.999 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.73 | 252 | 2573519 | 52.490 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.75 | 252 | 1991525 | 45.294 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.05 | 252 | 2275550 | 51.494 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.40 | 278 | 2132177 | 51.683 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 16.76 | 276 | 2209156 | 52.908 | ng | | 99 |

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

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