Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032420\
Data File : BF119497.D
Acq On : 24 Mar 2020 20:47
Operator : CG/JU
Sample : PB127731BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB127731BS

**Manual Integrations APPROVED**
mohammad
3/25/2020 12:29:42 PM

Quant Time: Mar 25 00:27:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 299828 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.13 | 136 | 1153509 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 612613 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 1194013 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.02 | 240 | 859389 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.49 | 264 | 730328 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 2028174 | 107.68 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 2605044 | 108.27 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 1641595 | 77.34 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 787955 | 124.67 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 3123860 | 75.54 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.97 | 244 | 3658574 | 83.41 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.68 | 88 | 282192 | 30.336 | ng | | 98 |
| 3) Pyridine | 3.42 | 79 | 788789 | 30.779 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 432340 | 34.595 | ng | | 95 |
| 6) Aniline | 6.50 | 93 | 924128 | 27.830 | ng | | 99 |
| 8) 2-Chlorophenol | 6.63 | 128 | 838697 | 42.398 | ng | | 99 |
| 9) Benzaldehyde | 6.39 | 77 | 545786 | 35.759 | ng | | 98 |
| 10) Phenol | 6.48 | 94 | 1028135m | 40.048 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 793647 | 38.653 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 837407 | 39.113 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 847951 | 39.596 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 793285 | 39.631 | ng | | 99 |
| 15) Benzyl Alcohol | 6.98 | 79 | 720773 | 39.826 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 1536300 | 37.095 | ng | | 99 |
| 17) 2-Methylphenol | 7.09 | 107 | 680494 | 37.546 | ng | | 98 |
| 18) Hexachloroethane | 7.36 | 117 | 323725 | 41.250 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 583266 | 40.220 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 830421m | 37.386 | ng | | |
| 22) Acetophenone | 7.25 | 105 | 1085795 | 39.394 | ng | # | 88 |
| 24) Nitrobenzene | 7.43 | 77 | 872044 | 38.446 | ng | | 96 |
| 25) Isophorone | 7.67 | 82 | 1613884 | 37.485 | ng | | 97 |
| 26) 2-Nitrophenol | 7.75 | 139 | 436543 | 48.880 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 752857 | 40.768 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 1030287 | 40.468 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 701319 | 41.332 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 738298 | 39.344 | ng | | 99 |
| 31) Naphthalene | 8.15 | 128 | 2347949 | 39.554 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 583966 | 49.160 | ng | | 99 |
| 33) 4-Chloroaniline | 8.20 | 127 | 467478 | 17.187 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 430037 | 40.959 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 225386m | 40.586 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 760005 | 40.981 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 1604857 | 41.195 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 1529169 | 41.470 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 689724 | 38.412 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 849667 | 83.233 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 534609 | 41.604 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 540344 | 37.537 ng | 96 |
| 46) 1,1'-Biphenyl | 9.31 | 154 | 1948127 | 39.045 ng | 98 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 1514838 | 38.760 ng | 99 |
| 48) 2-Nitroaniline | 9.43 | 65 | 550230 | 40.788 ng | 99 |
| 49) Acenaphthylene | 9.75 | 152 | 2358116 | 38.422 ng | 99 |
| 50) Dimethylphthalate | 9.62 | 163 | 1762919 | 40.514 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.67 | 165 | 405120 | 43.435 ng | 97 |
| 52) Acenaphthene | 9.92 | 154 | 1630961 | 42.627 ng | 99 |
| 53) 3-Nitroaniline | 9.84 | 138 | 265649 | 22.560 ng | 95 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 376598 | 92.104 ng | 96 |
| 55) Dibenzofuran | 10.10 | 168 | 2145685 | 39.114 ng | 99 |
| 56) 4-Nitrophenol | 10.00 | 139 | 714498 | 76.918 ng | 86 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 537833 | 45.775 ng | 89 |
| 58) Fluorene | 10.44 | 166 | 1649305 | 40.657 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 471808 | 43.849 ng | 99 |
| 60) Diethylphthalate | 10.32 | 149 | 1849874 | 41.886 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204 | 809506 | 40.807 ng | 97 |
| 62) 4-Nitroaniline | 10.46 | 138 | 425922 | 37.720 ng | 99 |
| 63) Azobenzene | 10.59 | 77 | 1767702 | 39.747 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 256486 | 51.227 ng | 89 |
| 66) n-Nitrosodiphenylamine | 10.55 | 169 | 1527680 | 38.974 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 535600 | 39.387 ng | 100 |
| 68) Hexachlorobenzene | 10.99 | 284 | 568946 | 40.880 ng | 97 |
| 69) Atrazine | 11.08 | 200 | 487392 | 45.356 ng | 98 |
| 70) Pentachlorophenol | 11.18 | 266 | 637931 | 78.172 ng | 98 |
| 71) Phenanthrene | 11.40 | 178 | 2417082 | 39.040 ng | 100 |
| 72) Anthracene | 11.46 | 178 | 2474189 | 39.320 ng | 100 |
| 73) Carbazole | 11.61 | 167 | 2321664 | 37.276 ng | 99 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 2946189 | 44.220 ng | 99 |
| 75) Fluoranthene | 12.59 | 202 | 2674334 | 39.913 ng | 100 |
| 77) Benzidine | 12.71 | 184 | 1375839 | 37.829 ng | 98 |
| 78) Pyrene | 12.82 | 202 | 2688670 | 38.121 ng | 99 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 1332637 | 46.717 ng | 98 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 2074269 | 37.117 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 589479 | 26.752 ng | 98 |
| 83) Chrysene | 14.05 | 228 | 2174660 | 37.705 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1735809 | 51.045 ng | 100 |
| 85) Di-n-octyl phthalate | 14.62 | 149 | 3067579 | 51.293 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 1892055 | 34.832 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 2029698 | 41.604 ng | 98 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 1906525 | 41.041 ng | 99 |
| 90) Benzo(a)pyrene | 15.43 | 252 | 1724149 | 38.888 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 1577943 | 40.691 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 1549948 | 39.784 ng | 97 |

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

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