Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119472.D
Acq On : 20 Mar 2020 15:13
Operator : CG/JU
Sample : PB127713BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB127713BS

**Manual Integrations APPROVED**
mohammad
3/23/2020 9:40:43 AM

Quant Time: Mar 23 04:26:31 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 | 311649 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 1220907 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 638706 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 1191082 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.03 | 240 | 621142 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.50 | 264 | 670481 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 2320816 | 118.55 | ng | | 0.02 |
| 7) Phenol-d6 | 6.48 | 99 | 2954832 | 118.15 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1860546 | 82.82 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 826163 | 125.38 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 3299049 | 76.52 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.98 | 244 | 3481385 | 109.81 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 322087 | 33.311 | ng | | 98 |
| 3) Pyridine | 3.40 | 79 | 869252 | 32.633 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 559371 | 43.062 | ng | | 99 |
| 6) Aniline | 6.52 | 93 | 1353023 | 39.201 | ng | | 99 |
| 8) 2-Chlorophenol | 6.64 | 128 | 1045952 | 50.869 | ng | | 97 |
| 9) Benzaldehyde | 6.40 | 77 | 659034 | 41.541 | ng | | 99 |
| 10) Phenol | 6.49 | 94 | 1286001m | 48.193 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 989825 | 46.379 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 1037429 | 46.618 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 1040310 | 46.736 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 971526 | 46.695 | ng | | 99 |
| 15) Benzyl Alcohol | 6.99 | 79 | 916060 | 48.696 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 1899457 | 44.124 | ng | | 99 |
| 17) 2-Methylphenol | 7.10 | 107 | 851084 | 45.177 | ng | | 99 |
| 18) Hexachloroethane | 7.37 | 117 | 396333 | 48.586 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 705699 | 46.816 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 1010655 | 43.774 | ng | # | 88 |
| 22) Acetophenone | 7.26 | 105 | 1319704 | 45.237 | ng | # | 90 |
| 24) Nitrobenzene | 7.44 | 77 | 1080654 | 45.013 | ng | | 96 |
| 25) Isophorone | 7.68 | 82 | 2005911 | 44.018 | ng | | 98 |
| 26) 2-Nitrophenol | 7.75 | 139 | 546014 | 57.762 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 961420 | 49.188 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 1249113 | 46.354 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 841955 | 46.881 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 896323 | 45.128 | ng | | 98 |
| 31) Naphthalene | 8.16 | 128 | 2809016 | 44.709 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 611442 | 48.631 | ng | | 98 |
| 33) 4-Chloroaniline | 8.20 | 127 | 860512 | 29.890 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 501873 | 45.162 | ng | | 97 |
| 35) Caprolactam | 8.59 | 113 | 279475m | 47.548 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 928232 | 47.289 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1917030 | 46.491 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1805613 | 46.263 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 813385 | 43.448 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119472.D
Acq On : 20 Mar 2020 15:13
Operator : CG/JU
Sample : PB127713BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB127713BS

Manual Integrations APPROVED
mohammad
3/23/2020 9:40:43 AM

Quant Time: Mar 23 04:26:31 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) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 878930 | 82.582 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 626387 | 46.755 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 655438 | 43.673 ng | 97 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 2237352 | 43.010 ng | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1784230 | 43.788 ng | 99 |
| 48) 2-Nitroaniline | 9.44 | 65 | 679573 | 48.318 ng | 95 |
| 49) Acenaphthylene | 9.76 | 152 | 2836251 | 44.325 ng | 98 |
| 50) Dimethylphthalate | 9.62 | 163 | 2113588 | 46.588 ng | 98 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 487266 | 50.108 ng | 95 |
| 52) Acenaphthene | 9.93 | 154 | 1869179 | 46.857 ng | 100 |
| 53) 3-Nitroaniline | 9.85 | 138 | 375376 | 30.576 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 374447 | 88.173 ng | 92 |
| 55) Dibenzofuran | 10.11 | 168 | 2515388 | 43.980 ng | 100 |
| 56) 4-Nitrophenol | 10.01 | 139 | 888916 | 91.785 ng | 89 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 650033 | 53.064 ng | 93 |
| 58) Fluorene | 10.45 | 166 | 1888079 | 44.642 ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 551179 | 49.133 ng | 99 |
| 60) Diethylphthalate | 10.33 | 149 | 2153244 | 46.763 ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 924596 | 44.704 ng | 98 |
| 62) 4-Nitroaniline | 10.47 | 138 | 512783 | 43.558 ng | 98 |
| 63) Azobenzene | 10.60 | 77 | 2074740 | 44.745 ng | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 273806 | 54.821 ng | 83 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1795856 | 45.928 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 612119 | 45.125 ng | 97 |
| 68) Hexachlorobenzene | 11.00 | 284 | 640793 | 46.155 ng | 98 |
| 69) Atrazine | 11.09 | 200 | 552332 | 51.525 ng | 99 |
| 70) Pentachlorophenol | 11.19 | 266 | 708053 | 86.978 ng | 98 |
| 71) Phenanthrene | 11.42 | 178 | 2750644 | 44.537 ng | 99 |
| 72) Anthracene | 11.47 | 178 | 2825812 | 45.019 ng | 100 |
| 73) Carbazole | 11.62 | 167 | 2663225 | 42.865 ng | 99 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 3298210 | 49.625 ng | 98 |
| 75) Fluoranthene | 12.60 | 202 | 2845755 | 42.576 ng | 99 |
| 77) Benzidine | 12.72 | 184 | 1906705 | 72.535 ng | 99 |
| 78) Pyrene | 12.83 | 202 | 2809038 | 55.105 ng | 99 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 1340154 | 65.000 ng | 96 |
| 81) Benzo(a)anthracene | 14.02 | 228 | 1958563 | 48.489 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.98 | 252 | 705855 | 44.321 ng | 98 |
| 83) Chrysene | 14.06 | 228 | 1998854 | 47.950 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1656904 | 67.414 ng | 100 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 2685288 | 62.123 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.98 | 276 | 2413257 | 61.468 ng | 98 |
| 88) Benzo(b)fluoranthene | 15.07 | 252 | 1988449 | 44.397 ng | 97 |
| 89) Benzo(k)fluoranthene | 15.10 | 252 | 1857503 | 43.555 ng | 99 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 1814041 | 44.568 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.00 | 278 | 1946279 | 54.669 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 2082199 | 58.217 ng | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119472.D
Acq On : 20 Mar 2020 15:13
Operator : CG/JU
Sample : PB127713BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 23 04:26:31 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

**Instrument :**
BNA_F
**ClientSampleId :**
PB127713BS

**Manual Integrations APPROVED**
mohammad
3/23/2020 9:40:43 AM