Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032519\
Data File : BF113281.D
Acq On : 25 Mar 2019 16:07
Operator : JU/SJ
Sample : K1560-08
Misc : LOQ 20 PPM
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT1-2019

**Manual Integrations APPROVED**
Sohil
3/26/2019 6:21:09 PM

Quant Time: Mar 26 04:51:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 159056 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 673926 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.73 | 164 | 335342 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.22 | 188 | 671191 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.84 | 240 | 568376 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.24 | 264 | 525784 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 982421 | 100.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 1321400 | 107.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 822276 | 72.42 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 435596 | 105.16 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.06 | 172 | 1505685 | 66.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.80 | 244 | 1716166 | 66.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.36 | 88 | 83210 | 16.860 | ng | | 99 |
| 3) Pyridine | 3.10 | 79 | 207145 | 17.025 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 85163 | 15.745 | ng | | 93 |
| 6) Aniline | 6.37 | 93 | 273509 | 18.251 | ng | # | 79 |
| 8) 2-Chlorophenol | 6.49 | 128 | 194583 | 17.226 | ng | | 96 |
| 9) Benzaldehyde | 6.25 | 77 | 157917 | 19.124 | ng | | 97 |
| 10) Phenol | 6.36 | 94 | 256698 | 18.272 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 196066 | 18.207 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 212200 | 17.427 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 215865 | 18.361 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 206919 | 17.890 | ng | | 98 |
| 15) Benzyl Alcohol | 6.85 | 79 | 148375 | 18.277 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 319751 | 19.765 | ng | | 96 |
| 17) 2-Methylphenol | 6.97 | 107 | 166862 | 18.849 | ng | | 96 |
| 18) Hexachloroethane | 7.22 | 117 | 84476 | 20.005 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 147087 | 19.029 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 216081 | 16.511 | ng | | 93 |
| 22) Acetophenone | 7.11 | 105 | 283501 | 18.446 | ng | | 98 |
| 24) Nitrobenzene | 7.29 | 77 | 226291 | 19.099 | ng | | 98 |
| 25) Isophorone | 7.52 | 82 | 400790 | 18.214 | ng | | 96 |
| 26) 2-Nitrophenol | 7.60 | 139 | 115734 | 18.480 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 168943 | 18.753 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 263914 | 19.046 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 181849 | 18.627 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 197910 | 18.789 | ng | | 100 |
| 31) Naphthalene | 8.01 | 128 | 633789 | 19.245 | ng | | 98 |
| 32) Benzoic acid | 7.76 | 122 | 102748 | 14.169 | ng | | 99 |
| 33) 4-Chloroaniline | 8.06 | 127 | 249344 | 19.416 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 119027 | 19.013 | ng | | 97 |
| 35) Caprolactam | 8.41 | 113 | 56989 | 18.188 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 187570 | 19.102 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 414987 | 20.195 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.80 | 142 | 401922 | 20.335 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 198266 | 18.419 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032519\
Data File : BF113281.D
Acq On : 25 Mar 2019 16:07
Operator : JU/SJ
Sample : K1560-08
Misc : LOQ 20 PPM
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT1-2019

**Manual Integrations APPROVED**
Sohil
3/26/2019 6:21:09 PM

Quant Time: Mar 26 04:51:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.86 | 237 | 57788 | 12.683 ng | 97 |
| 43) 2,4,6-Trichlorophenol | 8.98 | 196 | 120280 | 17.159 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.03 | 196 | 130982 | 16.884 ng | 98 |
| 46) 1,1'-Biphenyl | 9.16 | 154 | 523442 | 18.689 ng | 99 |
| 47) 2-Chloronaphthalene | 9.19 | 162 | 390866 | 18.126 ng | 97 |
| 48) 2-Nitroaniline | 9.28 | 65 | 117247 | 17.325 ng | 98 |
| 49) Acenaphthylene | 9.60 | 152 | 664217 | 19.050 ng | 99 |
| 50) Dimethylphthalate | 9.46 | 163 | 447081 | 17.990 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.52 | 165 | 100439 | 17.915 ng | 91 |
| 52) Acenaphthene | 9.77 | 154 | 364398 | 18.558 ng | 99 |
| 53) 3-Nitroaniline | 9.69 | 138 | 112125 | 17.734 ng | 92 |
| 54) 2,4-Dinitrophenol | 9.80 | 184 | 40868 | 14.656 ng | 95 |
| 55) Dibenzofuran | 9.94 | 168 | 568301 | 19.252 ng | 98 |
| 56) 4-Nitrophenol | 9.87 | 139 | 70675 | 15.679 ng | 92 |
| 57) 2,4-Dinitrotoluene | 9.93 | 165 | 130555 | 18.311 ng | 93 |
| 58) Fluorene | 10.28 | 166 | 438369 | 19.116 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 118703 | 18.094 ng | 97 |
| 60) Diethylphthalate | 10.16 | 149 | 444617 | 18.238 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.27 | 204 | 214793 | 19.218 ng | 93 |
| 62) 4-Nitroaniline | 10.30 | 138 | 116694 | 17.927 ng | 97 |
| 63) Azobenzene | 10.43 | 77 | 429705 | 18.724 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 58411 | 15.908 ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.39 | 169 | 381562 | 18.526 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.76 | 248 | 137777 | 18.834 ng | 93 |
| 68) Hexachlorobenzene | 10.83 | 284 | 158808 | 18.702 ng | 97 |
| 69) Atrazine | 10.92 | 200 | 120578 | 18.548 ng | 95 |
| 70) Pentachlorophenol | 11.03 | 266 | 67733 | 15.310 ng | 97 |
| 71) Phenanthrene | 11.24 | 178 | 642953 | 19.290 ng | 99 |
| 72) Anthracene | 11.29 | 178 | 656928 | 19.404 ng | 99 |
| 73) Carbazole | 11.44 | 167 | 624319 | 19.325 ng | 98 |
| 74) Di-n-butylphthalate | 11.78 | 149 | 719594 | 19.208 ng | 98 |
| 75) Fluoranthene | 12.42 | 202 | 716587 | 19.017 ng | 98 |
| 77) Benzidine | 12.54 | 184 | 334848m | 15.384 ng | |
| 78) Pyrene | 12.64 | 202 | 734908 | 18.659 ng | 99 |
| 80) Butylbenzylphthalate | 13.26 | 149 | 299510 | 17.255 ng | 97 |
| 81) Benzo(a)anthracene | 13.83 | 228 | 606466 | 18.641 ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.79 | 252 | 237042 | 18.161 ng | 99 |
| 83) Chrysene | 13.87 | 228 | 626794 | 18.967 ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 387295 | 18.201 ng | 99 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 678081 | 18.773 ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.59 | 276 | 518822 | 18.293 ng | 98 |
| 88) Benzo(b)fluoranthene | 14.84 | 252 | 575044 | 17.606 ng | 99 |
| 89) Benzo(k)fluoranthene | 14.87 | 252 | 550987 | 19.210 ng | 100 |
| 90) Benzo(a)pyrene | 15.19 | 252 | 518464 | 17.905 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.60 | 278 | 435584 | 17.398 ng | 100 |
| 92) Benzo(g,h,i)perylene | 16.99 | 276 | 416741 | 16.508 ng | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032519\
Data File : BF113281.D
Acq On : 25 Mar 2019 16:07
Operator : JU/SJ
Sample : K1560-08
Misc : LOQ 20 PPM
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 04:51:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT1-2019

**Manual Integrations APPROVED**
Sohil
3/26/2019 6:21:09 PM