

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091517\  
 Data File : BF098563.D  
 Acq On : 15 Sep 2017 12:19  
 Operator : SJ/JU  
 Sample : I5160-11  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-4

Manual Integrations  
 APPROVED

Sohil  
 9/18/2017 3:33:27 PM

Quant Time: Sep 15 13:46:02 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 15 13:23:10 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.65  | 152  | 149832   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.93  | 136  | 602836   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.68  | 164  | 256510   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.16 | 188  | 395876   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.80 | 240  | 277110   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.21 | 264  | 289597   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.27  | 112  | 1033677  | 102.00 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.31  | 99   | 1276111  | 99.18  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.22  | 82   | 783558   | 72.46  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.47 | 330  | 190808   | 111.45 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.01  | 172  | 1272061  | 84.05  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.75 | 244  | 749941   | 58.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 31) Naphthalene                | 7.95  | 128  | 290448   | 9.746  | ng    | 99       |
| 37) 2-Methylnaphthalene        | 8.64  | 142  | 208155   | 11.531 | ng    | 100      |
| 48) Acenaphthylene             | 9.54  | 152  | 91889    | 3.769  | ng    | 97       |
| 49) Dimethylphthalate          | 9.40  | 163  | 237599   | 11.966 | ng    | 99       |
| 54) Dibenzofuran               | 9.89  | 168  | 110747   | 5.424  | ng    | # 96     |
| 57) Fluorene                   | 10.23 | 166  | 34239    | 2.026  | ng    | # 98     |
| 70) Phenanthrene               | 11.19 | 178  | 369121   | 17.588 | ng    | 99       |
| 71) Anthracene                 | 11.24 | 178  | 186027   | 8.634  | ng    | 98       |
| 72) Carbazole                  | 11.40 | 167  | 41021    | 2.043  | ng    | 97       |
| 74) Fluoranthene               | 12.37 | 202  | 562697   | 26.783 | ng    | 99       |
| 77) Pyrene                     | 12.60 | 202  | 529207   | 24.209 | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 318098   | 19.580 | ng    | 95       |
| 82) Chrysene                   | 13.83 | 228  | 341025   | 20.766 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149  | 36665    | 3.081  | ng    | # 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.55 | 276  | 176564   | 15.324 | ng    | # 90     |
| 87) Benzo(b)fluoranthene       | 14.82 | 252  | 601489m  | 33.032 | ng    |          |
| 88) Benzo(k)fluoranthene       | 14.84 | 252  | 131173m  | 7.716  | ng    |          |
| 89) Benzo(a)pyrene             | 15.15 | 252  | 284027   | 17.508 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.55 | 278  | 56298    | 4.771  | ng    | # 71     |
| 91) Benzo(g,h,i)perylene       | 16.95 | 276  | 153215   | 12.909 | ng    | 95       |

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

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