

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\  
 Data File : BF116742.D  
 Acq On : 1 Sep 2019 15:04  
 Operator : HP/JU  
 Sample : K4527-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T9-12-13-N1-N4-(0-1.9)

Manual Integrations  
 APPROVED

mohammad  
 9/5/2019 9:54:19 AM

Quant Time: Sep 02 05:42:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 110412   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.12  | 136  | 438768   | 20.00  | ng    | -0.01     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 236615   | 20.00  | ng    | -0.01     |
| 64) Phenanthrene-d10           | 11.36 | 188  | 409232   | 20.00  | ng    | -0.01     |
| 76) Chrysene-d12               | 13.99 | 240  | 268598   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12               | 15.44 | 264  | 275336   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.46  | 112  | 596252   | 87.49  | ng    | 0.00      |
| 7) Phenol-d6                   | 6.47  | 99   | 819975   | 91.62  | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 507216   | 65.99  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 177181   | 112.01 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 877326   | 62.55  | ng    | -0.01     |
| 79) Terphenyl-d14              | 12.94 | 244  | 874734   | 60.25  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.48  | 94   | 36625    | 3.696  | ng    | Qvalue 93 |
| 37) 2-Methylnaphthalene        | 8.83  | 142  | 28092    | 2.024  | ng    | 95        |
| 50) Dimethylphthalate          | 9.59  | 163  | 97525    | 5.970  | ng    | 99        |
| 71) Phenanthrene               | 11.38 | 178  | 302278   | 13.269 | ng    | 99        |
| 75) Fluoranthene               | 12.57 | 202  | 546450   | 24.409 | ng    | 98        |
| 78) Pyrene                     | 12.80 | 202  | 459790   | 19.257 | ng    | 97        |
| 81) Benzo(a)anthracene         | 13.98 | 228  | 182762   | 10.751 | ng    | 96        |
| 83) Chrysene                   | 14.02 | 228  | 205212m  | 11.717 | ng    |           |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 71453    | 4.985  | ng    | 96        |
| 86) Indeno(1,2,3-cd)pyrene     | 16.89 | 276  | 141710   | 10.074 | ng    | 97        |
| 88) Benzo(b)fluoranthene       | 15.02 | 252  | 254452m  | 15.286 | ng    |           |
| 89) Benzo(k)fluoranthene       | 15.05 | 252  | 92325m   | 6.083  | ng    |           |
| 90) Benzo(a)pyrene             | 15.39 | 252  | 170653   | 11.783 | ng    | # 95      |
| 91) Dibenzo(a,h)anthracene     | 16.89 | 278  | 32205    | 2.540  | ng    | # 75      |
| 92) Benzo(a,h,i)perylene       | 17.32 | 276  | 140563   | 10.872 | ng    | # 91      |

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

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