

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\  
 Data File : BF087467.D  
 Acq On : 28 May 2016 4:55  
 Operator : UM/SJ  
 Sample : H3190-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHS-STA-1705(0-4)

Manual Integrations  
 APPROVED

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 5/31/2016 7:01:57 PM

Quant Time: May 28 05:55:26 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.48  | 152  | 111749   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 9.52  | 136  | 446020   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 12.34 | 164  | 204987   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 14.74 | 188  | 336816   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 18.46 | 240  | 241152   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 20.13 | 264  | 204635   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 645573   | 101.51 | ng    | -0.03    |
| 7) Phenol-d6                | 7.04  | 99   | 918350   | 106.87 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.40  | 82   | 640223   | 72.34  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 13.63 | 330  | 164318   | 83.42  | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 11.29 | 172  | 945108   | 65.00  | ng    | -0.05    |
| 78) Terphenyl-d14           | 17.10 | 244  | 629166   | 55.47  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 9.55  | 128  | 238394   | 10.67  | ng    | 98       |
| 37) 2-Methylnaphthalene     | 10.67 | 142  | 117097   | 8.39   | ng    | # 96     |
| 48) Acenaphthylene          | 12.11 | 152  | 374614   | 17.92  | ng    | 99       |
| 49) Dimethylphthalate       | 11.99 | 163  | 170997   | 10.41  | ng    | 99       |
| 54) Dibenzofuran            | 12.69 | 168  | 77430    | 4.45   | ng    | 96       |
| 70) Phenanthrene            | 14.78 | 178  | 418477   | 22.43  | ng    | 99       |
| 71) Anthracene              | 14.87 | 178  | 244371   | 12.97  | ng    | 99       |
| 72) Carbazole               | 15.17 | 167  | 136465   | 8.49   | ng    | 100      |
| 74) Fluoranthene            | 16.56 | 202  | 1553116  | 83.02  | ng    | 91       |
| 77) Pyrene                  | 16.86 | 202  | 1350008  | 77.77  | ng    | 98       |
| 80) Benzo(a)anthracene      | 18.45 | 228  | 868983m  | 63.35  | ng    |          |
| 82) Chrysene                | 18.49 | 228  | 959930   | 70.51  | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene  | 21.35 | 276  | 470019   | 43.07  | ng    | # 87     |
| 87) Benzo(b)fluoranthene    | 19.73 | 252  | 1335002m | 102.42 | ng    |          |
| 88) Benzo(k)fluoranthene    | 19.74 | 252  | 494763m  | 44.10  | ng    |          |
| 89) Benzo(a)pyrene          | 20.07 | 252  | 696153   | 61.75  | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene  | 21.35 | 278  | 111334m  | 11.58  | ng    |          |
| 91) Benzo(g,h,i)perylene    | 21.70 | 276  | 382581   | 40.33  | ng    | # 91     |

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

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