

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\  
 Data File : BF085493.D  
 Acq On : 17 Mar 2016 6:12  
 Operator : UM/SJ  
 Sample : H1796-15 50X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB15(7-9)

Manual Integrations  
 APPROVED

Sohil  
 3/17/2016 5:20:40 PM

Quant Time: Mar 17 05:55:11 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 15 18:57:05 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 128687   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.20  | 136  | 427298   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.94  | 164  | 213282   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.43 | 188  | 315710   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.07 | 240  | 218632   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.51 | 264  | 291659   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.50  | 112  | 15869    | 2.12   | ng    | -0.01          |
| 7) Phenol-d6                | 6.52  | 99   | 21195    | 2.18   | ng    | -0.03          |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 16512    | 2.28   | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 2832     | 1.44   | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 25485    | 2.07   | ng    | -0.02          |
| 78) Terphenyl-d14           | 13.01 | 244  | 16308    | 1.69   | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 6) Aniline                  | 6.56  | 93   | 37298    | 2.78   | ng    | Qvalue<br># 92 |
| 10) Phenol                  | 6.54  | 94   | 549357   | 50.47  | ng    | 91             |
| 17) 2-Methylphenol          | 7.14  | 107  | 72072    | 9.81   | ng    | # 93           |
| 20) 3+4-Methylphenols       | 7.30  | 107  | 272686   | 34.61  | ng    | # 77           |
| 27) 2,4-Dimethylphenol      | 7.84  | 122  | 46970    | 6.77   | ng    | 96             |
| 31) Naphthalene             | 8.24  | 128  | 7780097  | 372.62 | ng    | 96             |
| 37) 2-Methylnaphthalene     | 8.90  | 142  | 1242113  | 93.95  | ng    | 97             |
| 45) 1,1'-Biphenyl           | 9.36  | 154  | 481811   | 27.68  | ng    | 97             |
| 48) Acenaphthylene          | 9.81  | 152  | 1125414  | 53.33  | ng    | 98             |
| 51) Acenaphthene            | 9.97  | 154  | 190220   | 14.34  | ng    | 98             |
| 54) Dibenzofuran            | 10.15 | 168  | 1429852  | 87.73  | ng    | 99             |
| 57) Fluorene                | 10.49 | 166  | 1255726  | 96.62  | ng    | 99             |
| 70) Phenanthrene            | 11.47 | 178  | 3521676  | 214.16 | ng    | 98             |
| 71) Anthracene              | 11.51 | 178  | 1385655  | 82.73  | ng    | 99             |
| 72) Carbazole               | 11.66 | 167  | 733307   | 51.74  | ng    | 99             |
| 74) Fluoranthene            | 12.65 | 202  | 2769155  | 179.15 | ng    | 96             |
| 77) Pyrene                  | 12.87 | 202  | 2011584  | 122.68 | ng    | 99             |
| 80) Benzo(a)anthracene      | 14.06 | 228  | 1122776m | 89.57  | ng    |                |
| 82) Chrysene                | 14.09 | 228  | 880835m  | 78.12  | ng    |                |
| 85) Indeno(1,2,3-cd)pyrene  | 16.95 | 276  | 543439   | 50.84  | ng    | 94             |
| 87) Benzo(b)fluoranthene    | 15.10 | 252  | 1138965m | 59.80  | ng    |                |
| 88) Benzo(k)fluoranthene    | 15.11 | 252  | 515012m  | 34.52  | ng    |                |
| 89) Benzo(a)pyrene          | 15.47 | 252  | 1040394  | 63.23  | ng    | 97             |
| 90) Dibenzo(a,h)anthracene  | 16.96 | 278  | 139220   | 8.66   | ng    | 91             |
| 91) Benzo(g,h,i)perylene    | 17.39 | 276  | 470105   | 28.63  | ng    | 99             |

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

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