

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\  
 Data File : BF109021.D  
 Acq On : 15 Sep 2018 3:40  
 Operator : JU/SJ  
 Sample : J4898-02DL 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLLOFF02-COMP-FILLDL

Manual Integrations  
 APPROVED

Sohil  
 9/17/2018 1:59:42 PM

Quant Time: Sep 15 07:05:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 152321   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 604141   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 297283   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 576443   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.85 | 240  | 425159   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.25 | 264  | 429483   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 253922   | 27.69  | ng    | -0.01    |
| 7) Phenol-d6                | 6.34  | 99   | 332985   | 28.16  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 201251   | 18.68  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 87346    | 27.07  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 377219   | 19.88  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.81 | 244  | 395145   | 22.03  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 20) 3+4-Methylphenols       | 7.12  | 107  | 62072    | 6.155  | ng    | 86       |
| 27) 2,4-Dimethylphenol      | 7.67  | 122  | 26658    | 3.277  | ng    | # 90     |
| 31) Naphthalene             | 8.02  | 128  | 1430360  | 51.011 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.71  | 142  | 271513   | 14.854 | ng    | 99       |
| 45) 1,1'-Biphenyl           | 9.17  | 154  | 84197    | 3.540  | ng    | 98       |
| 48) Acenaphthylene          | 9.61  | 152  | 371949   | 12.952 | ng    | 98       |
| 51) Acenaphthene            | 9.78  | 154  | 70203    | 3.926  | ng    | 99       |
| 54) Dibenzofuran            | 9.95  | 168  | 279248   | 10.806 | ng    | # 96     |
| 57) Fluorene                | 10.30 | 166  | 320727   | 18.624 | ng    | 99       |
| 70) Phenanthrene            | 11.25 | 178  | 1121613  | 39.693 | ng    | 98       |
| 71) Anthracene              | 11.30 | 178  | 460437   | 16.074 | ng    | 99       |
| 72) Carbazole               | 11.45 | 167  | 120241   | 4.241  | ng    | 97       |
| 74) Fluoranthene            | 12.43 | 202  | 725769   | 24.329 | ng    | 98       |
| 77) Pyrene                  | 12.66 | 202  | 609417   | 19.297 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.84 | 228  | 274484   | 10.664 | ng    | # 90     |
| 82) Chrysene                | 13.87 | 228  | 227028m  | 8.815  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.59 | 276  | 69006    | 3.352  | ng    | # 91     |
| 87) Benzo(b)fluoranthene    | 14.85 | 252  | 191981m  | 8.080  | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.88 | 252  | 61539m   | 2.773  | ng    |          |
| 89) Benzo(a)pyrene          | 15.19 | 252  | 154945   | 7.343  | ng    | 97       |
| 91) Benzo(g,h,i)perylene    | 16.99 | 276  | 57213    | 3.228  | ng    | 94       |

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

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