

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102519\  
 Data File : BF117545.D  
 Acq On : 25 Oct 2019 19:20  
 Operator : JU  
 Sample : K5502-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 177-44-(0-2.5)

Manual Integrations  
 APPROVED

mohammad  
 10/29/2019 3:33:46 PM

Quant Time: Nov 06 06:46:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 40071    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 152468   | 20.00   | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 66706    | 20.00   | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.26 | 188  | 88473    | 20.00   | ng    | 0.00     |
| 76) Chrysene-d12            | 13.91 | 240  | 64262    | 20.00   | ng    | 0.01     |
| 87) Perylene-d12            | 15.34 | 264  | 48217    | 20.00   | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 249040   | 92.46   | ng    | 0.00     |
| 7) Phenol-d6                | 6.39  | 99   | 340346   | 94.08   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 215976   | 69.93   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 46045    | 79.78   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 341087   | 72.05   | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.84 | 244  | 228822   | 58.08   | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       | Qvalue   |
| 10) Phenol                  | 6.40  | 94   | 7702     | 2.086   | ng    | 87       |
| 31) Naphthalene             | 8.03  | 128  | 31139    | 4.120   | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.73  | 142  | 16490m   | 3.238   | ng    |          |
| 38) 1-Methylnaphthalene     | 8.82  | 142  | 21079    | 4.405   | ng    | # 99     |
| 49) Acenaphthylene          | 9.63  | 152  | 47186    | 7.715   | ng    | 98       |
| 50) Dimethylphthalate       | 9.48  | 163  | 46480    | 9.774   | ng    | 99       |
| 52) Acenaphthene            | 9.80  | 154  | 60403    | 16.098  | ng    | 98       |
| 55) Dibenzofuran            | 9.97  | 168  | 60182    | 11.070  | ng    | # 97     |
| 58) Fluorene                | 10.31 | 166  | 84449    | 18.785  | ng    | 99       |
| 71) Phenanthrene            | 11.29 | 178  | 1230091  | 239.443 | ng    | 98       |
| 72) Anthracene              | 11.33 | 178  | 250960   | 47.610  | ng    | 99       |
| 73) Carbazole               | 11.49 | 167  | 91474    | 18.989  | ng    | 97       |
| 75) Fluoranthene            | 12.49 | 202  | 1866339  | 362.901 | ng    | 96       |
| 78) Pyrene                  | 12.72 | 202  | 1630250  | 295.348 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.90 | 228  | 822749   | 189.804 | ng    | 97       |
| 83) Chrysene                | 13.94 | 228  | 692830   | 163.084 | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene  | 16.77 | 276  | 233398   | 73.585  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 14.94 | 252  | 723809m  | 254.211 | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.97 | 252  | 184898m  | 63.359  | ng    |          |
| 90) Benzo(a)pyrene          | 15.30 | 252  | 414882   | 160.263 | ng    | # 93     |
| 91) Dibenzo(a,h)anthracene  | 16.77 | 278  | 62751m   | 28.033  | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.20 | 276  | 212756   | 100.454 | ng    | 97       |

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

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