

Data Path : S:\HPCHEM1\BNA\_E\DATA\BE050517\  
 Data File : BE092937.D  
 Acq On : 5 May 2017 19:49  
 Operator : SJ/MA  
 Sample : PB98667BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB98667BSD

Manual Integrations  
 APPROVED

mohammad  
 5/8/2017 2:47:15 PM

Quant Time: May 06 02:05:29 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:05:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 900      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3467     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1442     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 3440     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 2739     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.69 | 264  | 2300     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.36  | 112 | 801   | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 6.95  | 99  | 1042  | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 900   | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 1512m | 0.29 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.87 | 330 | 72    | 0.32 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2280  | 0.34 | ng | 0.00 |
| 24) Fluoranthene-d10        | 19.15 | 212 | 2260  | 0.28 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.74 | 244 | 1853  | 0.39 | ng | 0.00 |

|                                |       |     |       |      |    |        |
|--------------------------------|-------|-----|-------|------|----|--------|
| Target Compounds               |       |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.32  | 88  | 368   | 0.21 | ng | # 83   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 443   | 0.33 | ng | # 86   |
| 6) bis(2-Chloroethyl)ether     | 7.20  | 93  | 1021  | 0.31 | ng | 97     |
| 9) Naphthalene                 | 10.58 | 128 | 2960  | 0.32 | ng | # 87   |
| 10) Hexachlorobutadiene        | 10.89 | 225 | 416   | 0.33 | ng | 94     |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 1850  | 0.33 | ng | # 90   |
| 16) Acenaphthylene             | 14.10 | 152 | 7763  | 0.34 | ng | 99     |
| 17) Acenaphthene               | 14.44 | 154 | 1483  | 0.33 | ng | 94     |
| 18) Fluorene                   | 15.43 | 166 | 1705  | 0.30 | ng | 100    |
| 20) Hexachlorobenzene          | 16.47 | 284 | 445   | 0.30 | ng | # 100  |
| 21) Pentachlorophenol          | 16.79 | 266 | 166   | 0.60 | ng | # 80   |
| 22) Phenanthrene               | 17.18 | 178 | 2875  | 0.30 | ng | 97     |
| 23) Anthracene                 | 17.27 | 178 | 2290  | 0.31 | ng | 100    |
| 25) Fluoranthene               | 19.17 | 202 | 11682 | 0.28 | ng | # 98   |
| 27) Pyrene                     | 19.53 | 202 | 12155 | 0.34 | ng | # 97   |
| 29) Benzo(a)anthracene         | 21.25 | 228 | 2222  | 0.35 | ng | # 89   |
| 30) Chrysene                   | 21.30 | 228 | 2770m | 0.34 | ng |        |
| 31) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 559   | 0.32 | ng | # 95   |
| 32) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 11293 | 0.38 | ng | 99     |
| 34) Benzo(b)fluoranthene       | 22.95 | 252 | 2438  | 0.32 | ng | # 86   |
| 35) Benzo(k)fluoranthene       | 22.99 | 252 | 2411  | 0.32 | ng | # 82   |
| 36) Benzo(a)pyrene             | 23.58 | 252 | 2101  | 0.34 | ng | # 78   |
| 37) Dibenzo(a,h)anthracene     | 26.25 | 278 | 2365  | 0.34 | ng | # 80   |
| 38) Benzo(g,h,i)perylene       | 26.99 | 276 | 10147 | 0.35 | ng | # 82   |

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

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