

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121916\  
 Data File : BE092610.D  
 Acq On : 19 Dec 2016 16:38  
 Operator : UM/SJ  
 Sample : PB95417BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB95417BS

Manual Integrations  
 APPROVED

sohil  
 12/20/2016 6:33:43 PM

Quant Time: Dec 20 00:55:55 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 19 16:16:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 9450     | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.91 | 136  | 41086    | 5.00 | ng    | -0.02    |
| 12) Acenaphthene-d10      | 14.80 | 164  | 25336    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.53 | 188  | 44443    | 5.00 | ng    | -0.02    |
| 24) Chrysene-d12          | 21.72 | 240  | 56053    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.06 | 264  | 55325    | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.65  | 112 | 17608 | 9.59 | ng | -0.03 |
| 5) Phenol-d6                | 7.31  | 99  | 25449 | 9.15 | ng | -0.07 |
| 8) Nitrobenzene-d5          | 9.32  | 82  | 11919 | 4.22 | ng | -0.05 |
| 13) 2,4,6-Tribromophenol    | 16.29 | 330 | 5518  | 7.55 | ng | -0.02 |
| 14) 2-Fluorobiphenyl        | 13.41 | 172 | 27488 | 4.54 | ng | -0.02 |
| 26) Terphenyl-d14           | 20.16 | 244 | 31322 | 4.56 | ng | -0.02 |

|                                |       |     |         |      |    |        |
|--------------------------------|-------|-----|---------|------|----|--------|
| Target Compounds               |       |     |         |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.39  | 88  | 4056    | 3.73 | ng | # 56   |
| 3) n-Nitrosodimethylamine      | 3.74  | 42  | 6512    | 4.15 | ng | # 94   |
| 6) bis(2-Chloroethyl)ether     | 7.57  | 93  | 10641   | 3.94 | ng | 91     |
| 9) Naphthalene                 | 10.97 | 128 | 34648   | 4.11 | ng | 95     |
| 10) Hexachlorobutadiene        | 11.26 | 225 | 5203    | 4.06 | ng | 99     |
| 11) 2-Methylnaphthalene        | 12.60 | 142 | 22894   | 4.27 | ng | # 90   |
| 15) Acenaphthylene             | 14.51 | 152 | 149654  | 4.28 | ng | 100    |
| 16) Acenaphthene               | 14.85 | 154 | 22223   | 3.86 | ng | 91     |
| 17) Fluorene                   | 15.83 | 166 | 28992   | 4.10 | ng | 99     |
| 19) Hexachlorobenzene          | 16.86 | 284 | 8710    | 4.59 | ng | # 63   |
| 20) Pentachlorophenol          | 17.21 | 266 | 5731    | 6.93 | ng | # 85   |
| 21) Phenanthrene               | 17.58 | 178 | 51002   | 4.55 | ng | # 95   |
| 22) Anthracene                 | 17.67 | 178 | 49498   | 4.83 | ng | 99     |
| 23) Fluoranthene               | 19.58 | 202 | 199572  | 4.12 | ng | 99     |
| 25) Pyrene                     | 19.95 | 202 | 206218  | 4.18 | ng | 99     |
| 27) Benzo(a)anthracene         | 21.70 | 228 | 210323  | 4.18 | ng | # 81   |
| 28) Chrysene                   | 21.75 | 228 | 245489m | 4.21 | ng |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 30964   | 4.09 | ng | # 75   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.53 | 276 | 289343  | 5.49 | ng | 97     |
| 32) Benzo(b)fluoranthene       | 23.34 | 252 | 56490   | 4.44 | ng | 95     |
| 33) Benzo(k)fluoranthene       | 23.38 | 252 | 61441   | 4.33 | ng | 93     |
| 34) Benzo(a)pyrene             | 23.96 | 252 | 57066   | 4.65 | ng | # 95   |
| 35) Dibenzo(a,h)anthracene     | 26.57 | 278 | 59984   | 5.14 | ng | 95     |
| 36) Benzo(g,h,i)perylene       | 27.30 | 276 | 251837  | 5.04 | ng | 98     |

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

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