

Data Path : Z:\HPCHEM1\BNA\_J\DATA\BJ112712\  
 Data File : BJ001291.D  
 Acq On : 27 Nov 2012 13:24  
 Operator : HLM  
 Sample : CWA-5  
 Misc : CWA STD BNA\_J HLM  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_J  
 LabSampleId :  
 CWA-5

Manual Integrations  
 APPROVED

AHPatel  
 12/5/2012 3:22:58 AM

Quant Time: Dec 05 03:15:15 2012  
 Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ112712.M  
 Quant Title : CWA degradation products by GCMS  
 QLast Update : Tue Nov 27 14:23:24 2012  
 Response via : Initial Calibration

| Internal Standards        | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 4.33 | 152  | 278789   | 2.00 | ug/mL | -0.03    |
| 6) Naphthalene-d8         | 5.63 | 136  | 1104122m | 2.00 | ug/mL | 0.02     |

## System Monitoring Compounds

|                        |       |       |          |          |       |           |
|------------------------|-------|-------|----------|----------|-------|-----------|
| 10) Tripropylphosphate | 6.62  | 99    | 2979191m | 6.45     | ug/mL | -0.08     |
| Spiked Amount          | 0.500 | Range | 70 - 130 | Recovery | =     | 1290.00%# |
| 12) 2-Bromothioanisole | 6.91  | 204   | 2348100m | 27.15    | ug/mL | 0.00      |
| Spiked Amount          | 5.000 | Range | 70 - 130 | Recovery | =     | 543.00%#  |

## Target Compounds

|                                  |      |     |           |        |        | Qvalue |
|----------------------------------|------|-----|-----------|--------|--------|--------|
| 2) Dimethyl Disulfide            | 2.32 | 94  | 1796164   | 17.85  | ug/mL# | 80     |
| 3) DMMP                          | 3.24 | 79  | 766778    | 6.94   | ug/mL  | 93     |
| 4) DIMP                          | 4.60 | 97  | 1695736m  | 6.21   | ug/mL  |        |
| 5) 1,4-Oxathiane                 | 3.36 | 46  | 2092675   | 19.37  | ug/mL  | 97     |
| 7) 1,4-Dithiane                  | 4.74 | 46  | 1737778   | 20.76  | ug/mL# | 78     |
| 8) Thiodiglycol                  | 5.59 | 61  | 12502037m | 144.30 | ug/mL  |        |
| 9) Benzothiazole                 | 5.85 | 135 | 7937977m  | 25.84  | ug/mL  |        |
| 11) p-Chlorophenylmethyldisulfid | 6.17 | 158 | 4866224m  | 25.61  | ug/mL  |        |
| 13) p-Chlorophenylmethyldisulfox | 7.58 | 159 | 3700859m  | 27.99  | ug/mL  |        |
| 14) p-Chlorophenylmethyldisulfon | 7.78 | 111 | 5221505m  | 29.08  | ug/mL  |        |

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

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