

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\  
 Data File : VL032533.D  
 Acq On : 25 Sep 2018 6:56  
 Operator : SY/AP  
 Sample : J5034-02DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 GAC-EFF-092018DL

Manual Integrations  
 APPROVED

apatel  
 9/26/2018 4:56:25 PM

Quant Time: Sep 26 17:50:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Sep 26 17:50:28 2018  
 QLast Update : Tue Sep 25 05:17:15 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.79  | 49   | 1543358  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.32  | 114  | 3414694  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.27 | 117  | 3288049  | 10.00 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2483423  | 10.02    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.20% |

| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 9) Propene                 | 3.06 | 41   | 40170m   | 0.721 | ppbv  |        |
| 13) Ethanol                | 3.68 | 45   | 139494   | 8.334 | ppbv  | 97     |
| 24) 1,1-Dichloroethane     | 5.11 | 63   | 162466   | 0.815 | ppbv  | 99     |
| 26) Hexane                 | 5.80 | 57   | 22018m   | 0.148 | ppbv  |        |
| 29) Chloroform             | 5.87 | 83   | 43634    | 0.192 | ppbv  | 99     |
| 31) cis-1,2-Dichloroethene | 5.67 | 61   | 113196   | 0.800 | ppbv  | 98     |
| 32) 1,1,1-Trichloroethane  | 6.65 | 97   | 508773   | 2.096 | ppbv  | 100    |
| 38) Trichloroethene        | 7.99 | 130  | 652180   | 6.174 | ppbv  | 98     |

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

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