

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\  
 Data File : VL034846.D  
 Acq On : 9 Mar 2020 15:28  
 Operator : SY/AP  
 Sample : VSTDICC0.03  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2020 3:26:06 PM

Quant Time: Mar 09 15:17:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 09 15:17:04 2020  
 QLast Update : Mon Mar 09 15:34:13 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 934937   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2119220  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 2088998  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 1663463  | 9.55     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 95.50% |

| Target Compounds              | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|-------------------------------|-------|------|----------|-------|-------|--------|
| 5) Vinyl Chloride             | 3.22  | 62   | 1596m    | 0.026 | ppbv  |        |
| 32) 1,1,1-Trichloroethane     | 6.49  | 97   | 3467m    | 0.025 | ppbv  |        |
| 35) Carbon Tetrachloride      | 7.02  | 117  | 3064     | 0.019 | ppbv  | # 51   |
| 38) Trichloroethene           | 7.85  | 130  | 1669m    | 0.024 | ppbv  |        |
| 52) Tetrachloroethene         | 11.23 | 164  | 2614m    | 0.039 | ppbv  |        |
| 63) 1,1,2,2-Tetrachloroethane | 13.72 | 83   | 4387m    | 0.025 | ppbv  |        |

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

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