

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\  
 Data File : VL034804.D  
 Acq On : 5 Mar 2020 20:28  
 Operator : SY/AP  
 Sample : L1698-05  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-5-4

Manual Integrations  
 APPROVED

MMDadoda  
 3/9/2020 9:19:11 AM

Quant Time: Mar 06 12:22:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Mar 0  
 QLast Update : Wed Mar 04 06:36:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 523437m  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.34  | 114  | 252074m  | 10.00 | ppbv  | 0.13     |
| 55) Chlorobenzene-d5    | 12.42 | 117  | 143580m  | 10.00 | ppbv  | 0.28     |

System Monitoring Compounds

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| 68) 1-Bromo-4-Fluorobenzene | 14.62  | 95    | 2700778  | 225.58   | ppbv        | 0.14 |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | = 2255.80%# |      |

| Target Compounds           | R.T.  | QIon | Response  | Conc     | Units  | Ovalue |
|----------------------------|-------|------|-----------|----------|--------|--------|
| 5) Vinyl Chloride          | 3.20  | 62   | 1041737   | 30.700   | ppbv   | 98     |
| 7) Chloroethane            | 3.52  | 64   | 268581    | 22.891   | ppbv # | 84     |
| 9) Propene                 | 2.95  | 41   | 3737895   | 159.243  | ppbv   | 91     |
| 11) Trichlorofluoromethane | 3.91  | 101  | 1719719m  | 22.498   | ppbv   |        |
| 15) Acetone                | 3.81  | 43   | 5755384m  | 91.820   | ppbv   |        |
| 17) tert-Butyl alcohol     | 4.27  | 59   | 3625477   | 73.353   | ppbv # | 52     |
| 19) Isopropyl Alcohol      | 3.93  | 45   | 619363m   | 16.492   | ppbv   |        |
| 20) Methylene Chloride     | 4.32  | 84   | 2428541   | 108.557  | ppbv # | 10     |
| 26) Hexane                 | 5.60  | 57   | 40032443m | 846.000  | ppbv   |        |
| 27) Carbon Disulfide       | 4.56  | 76   | 1349598   | 24.414   | ppbv # | 70     |
| 30) Cyclohexane            | 7.35  | 84   | 32600720  | 900.538  | ppbv # | 9      |
| 36) Benzene                | 7.04  | 78   | 1350825m  | 62.713   | ppbv   |        |
| 44) 2,2,4-Trimethylpentane | 8.21  | 57   | 14672807m | 389.803  | ppbv   |        |
| 47) 1,1,2-Trichloroethane  | 9.82  | 97   | 11421198m | 1244.484 | ppbv   |        |
| 52) Tetrachloroethene      | 11.54 | 164  | 85597m    | 10.756   | ppbv   |        |
| 62) Isopropylbenzene       | 14.85 | 105  | 122992    | 5.392    | ppbv   | 97     |
| 64) n-propylbenzene        | 15.72 | 120  | 15319m    | 2.679    | ppbv   |        |
| 65) tert-Butylbenzene      | 16.88 | 119  | 40470m    | 2.100    | ppbv   |        |
| 72) 4-Ethyltoluene         | 15.98 | 105  | 72305m    | 4.190    | ppbv   |        |
| 73) 1,3,5-Trimethylbenzene | 16.14 | 105  | 67053m    | 4.051    | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.88 | 105  | 164817    | 9.160    | ppbv # | 69     |

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

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