

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL071423\  
 Data File : VL040533.D  
 Acq On : 14 Jul 2023 18:57  
 Operator : SY/MD  
 Sample : 03636-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023  
 Supervised By :Mahesh Dadoda 07/17/2023

Quant Time: Jul 16 23:32:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 11 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.192  | 49    | 960105   | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene     | 6.655  | 114   | 2526246  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.468 | 117   | 2208928  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 1682533  | 9.624    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.200%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 2.732  | 85    | 78784m   | 0.410    | ppbv   |          |
| 3) Chlorodifluoromethane    | 2.674  | 51    | 55673m   | 0.366    | ppbv   |          |
| 4) Chloromethane            | 2.816  | 50    | 39376    | 0.653    | ppbv   | 99       |
| 9) Propene                  | 2.703  | 41    | 63902    | 1.227    | ppbv   | 84       |
| 10) Heptane                 | 7.584  | 43    | 29729    | 0.258    | ppbv   | 90       |
| 11) Trichlorofluoromethane  | 3.561  | 101   | 37032    | 0.239    | ppbv   | 92       |
| 13) Ethanol                 | 3.253  | 45    | 81362m   | 7.178    | ppbv   |          |
| 15) Acetone                 | 3.471  | 43    | 1063531  | 9.623    | ppbv   | 100      |
| 19) Isopropyl Alcohol       | 3.590  | 45    | 87713    | 1.383    | ppbv # | 96       |
| 20) Methylene Chloride      | 3.934  | 84    | 537071   | 11.425   | ppbv   | 94       |
| 26) Hexane                  | 5.214  | 57    | 408102   | 4.175    | ppbv # | 43       |
| 30) Cyclohexane             | 6.606  | 84    | 10859m   | 0.134    | ppbv   |          |
| 34) 2-Butanone              | 4.799  | 43    | 98330    | 0.788    | ppbv   | 96       |
| 35) Carbon Tetrachloride    | 6.497  | 117   | 10232m   | 0.067    | ppbv   |          |
| 36) Benzene                 | 6.372  | 78    | 70898    | 0.349    | ppbv   | 96       |
| 44) 2,2,4-Trimethylpentane  | 7.333  | 57    | 103322m  | 0.316    | ppbv   |          |
| 52) Tetrachloroethene       | 10.606 | 164   | 6412m    | 0.097    | ppbv   |          |
| 53) Toluene                 | 9.224  | 91    | 242134   | 1.097    | ppbv   | 97       |
| 58) Ethyl Benzene           | 12.092 | 91    | 71291m   | 0.257    | ppbv   |          |
| 59) m/p-Xylene              | 12.352 | 91    | 289709m  | 1.171    | ppbv   |          |
| 60) o-Xylene                | 13.060 | 91    | 152131   | 0.645    | ppbv   | 96       |
| 64) n-propylbenzene         | 14.918 | 120   | 45732    | 0.500    | ppbv   | 88       |
| 70) n-Butylbenzene          | 17.892 | 91    | 64703m   | 0.153    | ppbv   |          |
| 72) 4-Ethyltoluene          | 15.194 | 105   | 315112   | 1.141    | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene  | 15.355 | 105   | 301980   | 1.240    | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene  | 16.108 | 105   | 1339686  | 4.718    | ppbv # | 65       |
| 76) 1,4-Dichlorobenzene     | 16.474 | 146   | 27896m   | 0.165    | ppbv   |          |
| 79) Naphthalene             | 21.394 | 128   | 79917m   | 0.333    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

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