

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\  
 Data File : VL038863.D  
 Acq On : 8 Apr 2022 5:19  
 Operator : SY/AP  
 Sample : N2274-03  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 1161-8-01-SG-3

Manual Integrations  
 APPROVED

Quant Time: Apr 11 01:31:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/11/2022  
 Supervised By : Mahesh Dadoda 04/11/2022

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 1139510  | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2795363  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2489967  | 10.00 | ppbv  | 0.04     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 2306022  | 12.21    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 122.10% |

#### Target Compounds

|                             |       |     |          |          |        | Ovalue |
|-----------------------------|-------|-----|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane  | 3.07  | 85  | 114810   | 0.710    | ppbv   | 95     |
| 3) Chlorodifluoromethane    | 3.01  | 51  | 75178    | 0.541    | ppbv # | 92     |
| 4) Chloromethane            | 3.16  | 50  | 19976m   | 0.277    | ppbv   |        |
| 9) Propene                  | 3.03  | 41  | 173997m  | 2.365    | ppbv   |        |
| 10) Heptane                 | 8.16  | 43  | 4180664  | 22.558   | ppbv   | 97     |
| 11) Trichlorofluoromethane  | 3.97  | 101 | 31102    | 0.239    | ppbv   | 96     |
| 13) Ethanol                 | 3.69  | 45  | 38733947 | 8662.546 | ppbv # | 100    |
| 15) Acetone                 | 3.87  | 43  | 2750088  | 24.241   | ppbv   | 91     |
| 17) tert-Butyl alcohol      | 4.37  | 59  | 76224m   | 0.749    | ppbv   |        |
| 19) Isopropyl Alcohol       | 4.04  | 45  | 14346967 | 247.432  | ppbv # | 100    |
| 20) Methylene Chloride      | 4.37  | 84  | 187246   | 4.551    | ppbv   | 91     |
| 21) Allyl Chloride          | 4.39  | 41  | 70968    | 0.835    | ppbv # | 51     |
| 26) Hexane                  | 5.72  | 57  | 1782481  | 13.604   | ppbv # | 50     |
| 28) Methyl tert-Butyl Ether | 5.06  | 73  | 40629m   | 0.401    | ppbv   |        |
| 29) Chloroform              | 5.78  | 83  | 36053m   | 0.197    | ppbv   |        |
| 30) Cyclohexane             | 7.16  | 84  | 2051247  | 17.763   | ppbv   | 95     |
| 34) 2-Butanone              | 5.27  | 43  | 1057598  | 9.575    | ppbv   | 95     |
| 35) Carbon Tetrachloride    | 7.05  | 117 | 10598m   | 0.063    | ppbv   |        |
| 36) Benzene                 | 6.92  | 78  | 2161962  | 8.502    | ppbv   | 99     |
| 41) Tetrahydrofuran         | 6.08  | 42  | 825277   | 7.867    | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane  | 7.90  | 57  | 2576562  | 5.984    | ppbv # | 26     |
| 52) Tetrachloroethene       | 11.26 | 164 | 73050    | 0.822    | ppbv   | 93     |
| 53) Toluene                 | 9.84  | 91  | 12831386 | 43.710   | ppbv   | 93     |
| 58) Ethyl Benzene           | 12.75 | 91  | 11161616 | 29.999   | ppbv   | 96     |
| 59) m/p-Xylene              | 13.01 | 91  | 19435734 | 62.176   | ppbv   | 88     |
| 60) o-Xylene                | 13.73 | 91  | 10515148 | 35.949   | ppbv   | 99     |
| 61) Styrene                 | 13.56 | 104 | 27057    | 0.152    | ppbv # | 20     |
| 62) Isopropylbenzene        | 14.70 | 105 | 2224410  | 5.067    | ppbv   | 95     |
| 67) sec-Butylbenzene        | 17.33 | 105 | 1651167  | 3.021    | ppbv   | 98     |
| 70) n-Butylbenzene          | 18.58 | 91  | 2262521  | 5.004    | ppbv # | 63     |
| 72) 4-Ethyltoluene          | 15.87 | 105 | 5823397  | 16.673   | ppbv   | 98     |
| 73) 1,3,5-Trimethylbenzene  | 16.03 | 105 | 4845837  | 15.444   | ppbv   | 98     |
| 74) 1,2,4-Trimethylbenzene  | 16.80 | 105 | 11549609 | 34.821   | ppbv # | 77     |
| 75) 1,3-Dichlorobenzene     | 17.03 | 146 | 34030m   | 0.177    | ppbv   |        |
| 79) Naphthalene             | 22.23 | 128 | 178538m  | 0.720    | ppbv   |        |

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

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