

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\  
 Data File : VL034039.D  
 Acq On : 17 Jul 2019 19:54  
 Operator : SY/AP  
 Sample : K3804-01DUP  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-1DUP

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 1:37:17 AM

Quant Time: Jul 18 12:48:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Jul 0  
 QLast Update : Tue Jul 02 19:31:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.73  | 49   | 1055658  | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.25  | 114  | 2787948  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.19 | 117  | 2692995  | 10.00 | ppbv  | -0.01    |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.53  | 95    | 2116645  | 9.22     | ppbv | -0.01  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 92.20% |

| Target Compounds           | R.T.  | QIon | Response | Conc     | Units  | Ovalue |
|----------------------------|-------|------|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane | 3.06  | 85   | 39479m   | 0.181    | ppbv   |        |
| 3) Chlorodifluoromethane   | 2.99  | 51   | 110101m  | 0.845    | ppbv   |        |
| 9) Propene                 | 3.01  | 41   | 2812909  | 58.657   | ppbv   | 92     |
| 10) Heptane                | 8.20  | 43   | 102760   | 0.856    | ppbv   | 97     |
| 11) Trichlorofluoromethane | 3.98  | 101  | 634953   | 2.592    | ppbv   | 94     |
| 13) Ethanol                | 3.67  | 45   | 22248340 | 1493.408 | ppbv   | 96     |
| 15) Acetone                | 3.87  | 43   | 12147519 | 68.441   | ppbv # | 88     |
| 20) Methylene Chloride     | 4.39  | 84   | 62848    | 0.812    | ppbv   | 91     |
| 26) Hexane                 | 5.74  | 57   | 206020   | 1.855    | ppbv # | 76     |
| 27) Carbon Disulfide       | 4.59  | 76   | 10760178 | 56.976   | ppbv   | 95     |
| 29) Chloroform             | 5.82  | 83   | 163307   | 0.782    | ppbv   | 89     |
| 30) Cyclohexane            | 7.20  | 84   | 68315    | 0.796    | ppbv # | 79     |
| 34) 2-Butanone             | 5.29  | 43   | 1323404  | 8.969    | ppbv   | 98     |
| 35) Carbon Tetrachloride   | 7.09  | 117  | 17345m   | 0.079    | ppbv   |        |
| 36) Benzene                | 6.97  | 78   | 545434   | 2.500    | ppbv   | 94     |
| 38) Trichloroethene        | 7.92  | 130  | 32476    | 0.335    | ppbv # | 86     |
| 41) Tetrahydrofuran        | 6.12  | 42   | 94233    | 1.302    | ppbv # | 72     |
| 44) 2,2,4-Trimethylpentane | 7.94  | 57   | 106835m  | 0.284    | ppbv   |        |
| 50) 4-Methyl-2-Pentanone   | 8.85  | 43   | 61661m   | 0.282    | ppbv   |        |
| 52) Tetrachloroethene      | 11.33 | 164  | 48924    | 0.521    | ppbv # | 82     |
| 53) Toluene                | 9.90  | 91   | 1174687  | 4.704    | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.82 | 91   | 213618   | 0.660    | ppbv   | 96     |
| 59) m/p-Xylene             | 13.08 | 91   | 655451m  | 2.235    | ppbv   |        |
| 60) o-Xylene               | 13.80 | 91   | 274188m  | 0.935    | ppbv   |        |
| 61) Styrene                | 13.63 | 104  | 66398m   | 0.342    | ppbv   |        |
| 62) Isopropylbenzene       | 14.78 | 105  | 121200   | 0.269    | ppbv   | 98     |
| 74) 1,2,4-Trimethylbenzene | 16.87 | 105  | 100449m  | 0.259    | ppbv   |        |

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

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