

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040319\  
Quantitation Report (QT Reviewed)

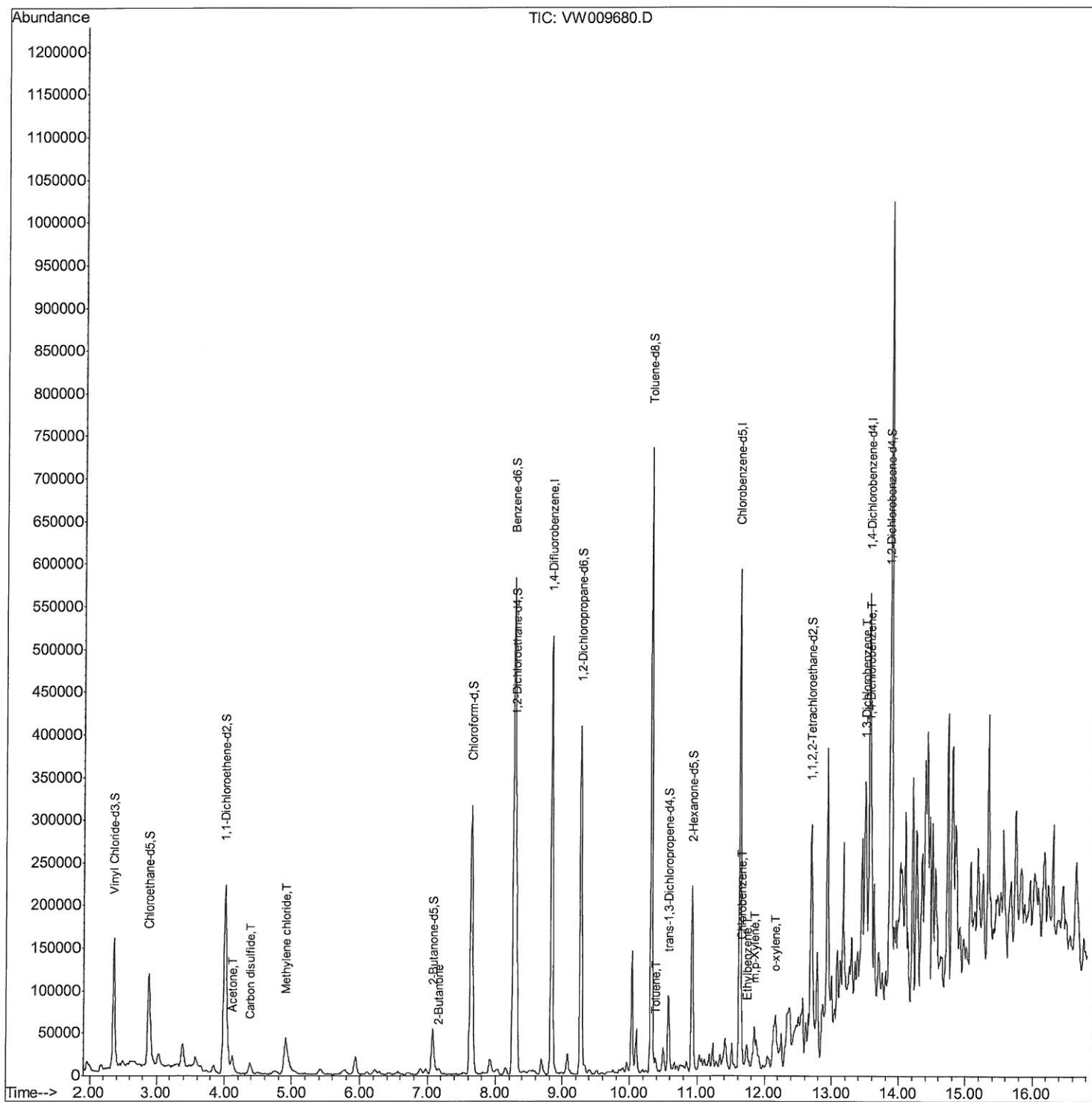
Data File : VW009680.D  
Acq On : 04 Apr 2019 02:43  
Operator : SY/VA  
Sample : K2188-02  
Misc : 4.86G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF649

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 8:53:38 AM

Quant Time: Apr 04 04:02:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 02:03:18 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040319\  
Quantitation Report (Qedit)

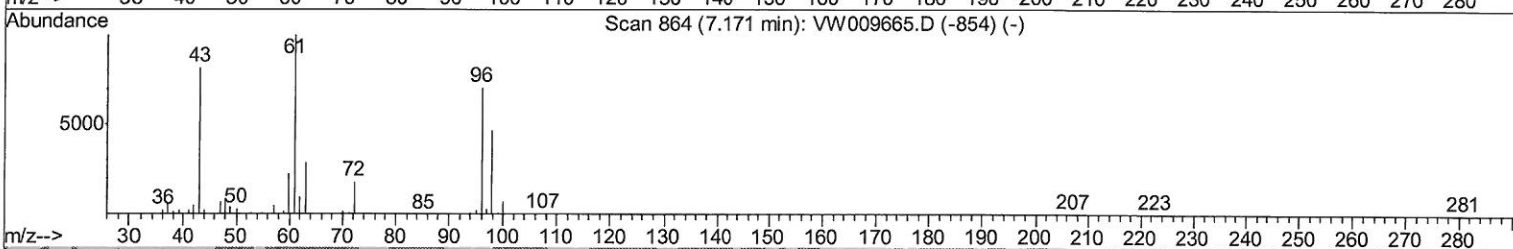
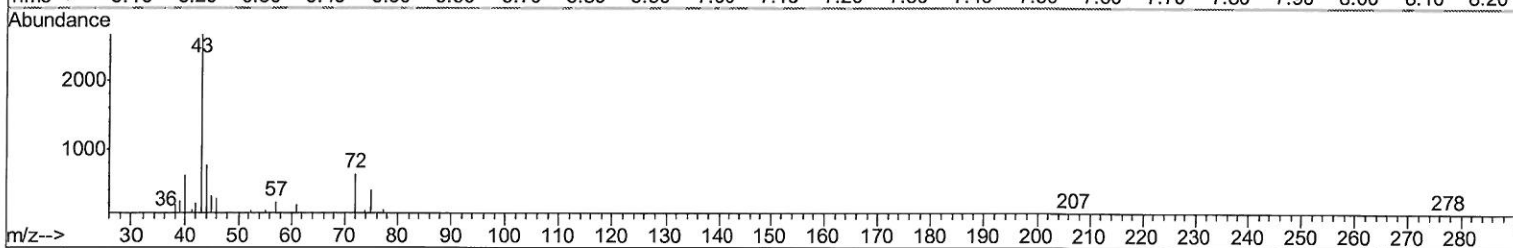
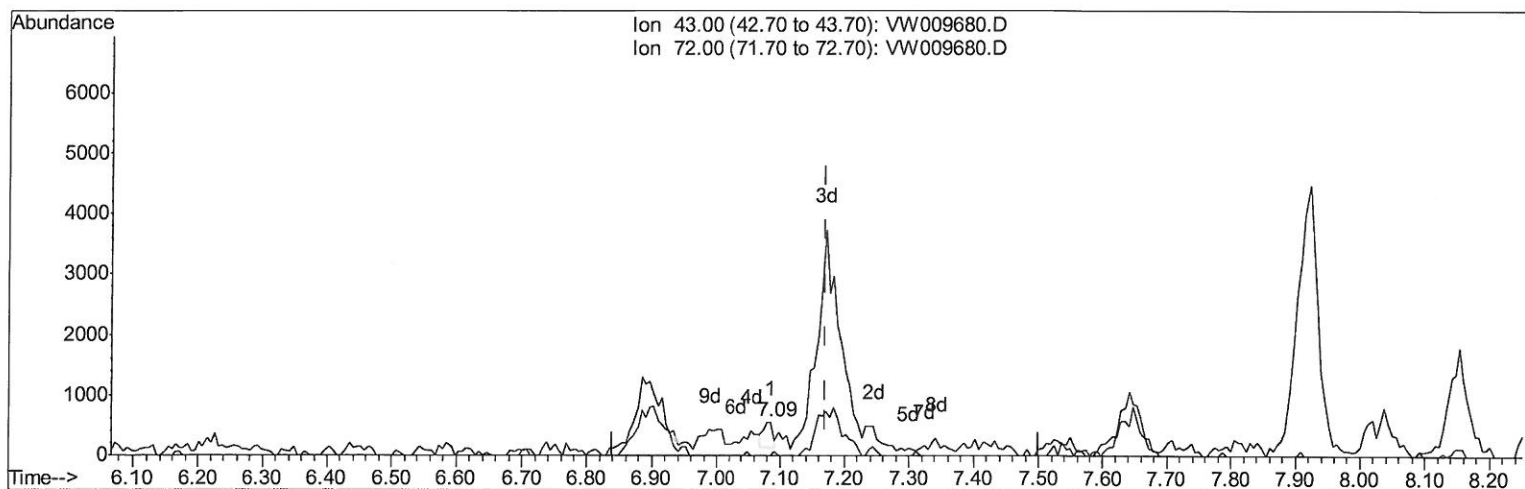
Data File : VW009680.D  
Acq On : 04 Apr 2019 02:43  
Operator : SY/VA  
Sample : K2188-02  
Misc : 4.86G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF649

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 8:53:38 AM

Quant Time: Apr 04 03:51:17 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 02:03:18 2019  
Response via : Initial Calibration



TIC: VW009680.D

(21) 2-Butanone

7.086min (-0.085) 0.19ug/L

response 443

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 72.00 | 24.10 | 21.90 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040319\  
Quantitation Report (Qedit)

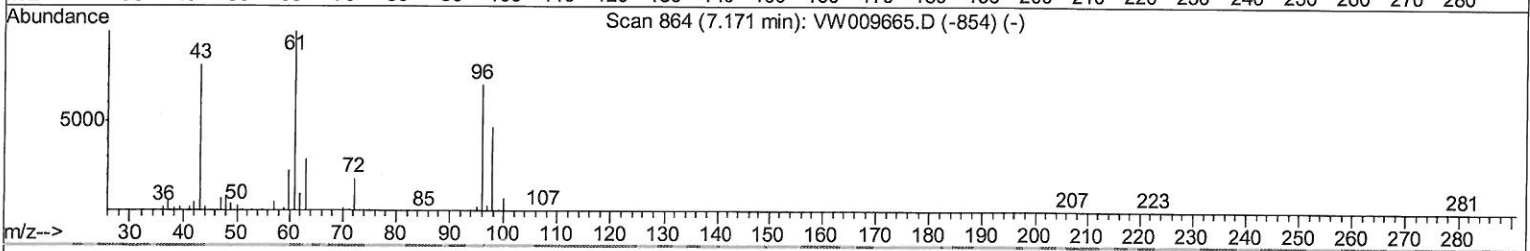
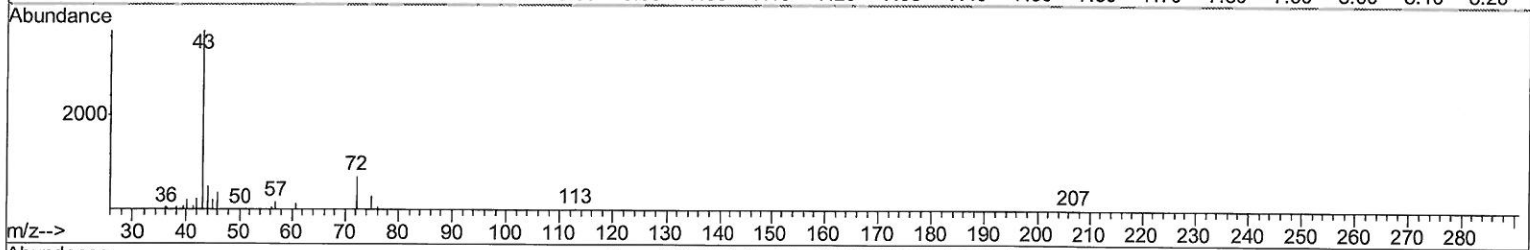
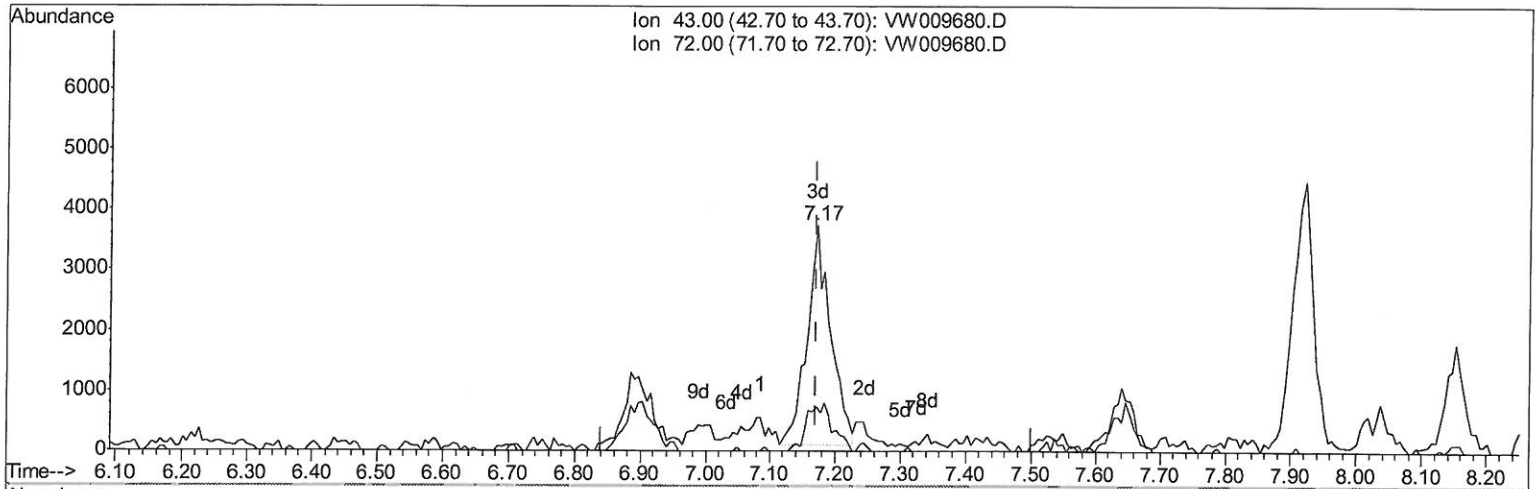
Data File : VW009680.D  
Acq On : 04 Apr 2019 02:43  
Operator : SY/VA  
Sample : K2188-02  
Misc : 4.86G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
BF649

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 8:53:38 AM

Quant Time: Apr 04 03:51:17 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 02:03:18 2019  
Response via : Initial Calibration



TIC: VW009680.D

(21) 2-Butanone

7.171min (+0.000) 3.90ug/L m

response 9091

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 72.00 | 24.10 | 1.07# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

SMO  
4/7/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040319\  
Quantitation Report (QT Reviewed)

Data File : VW009680.D  
Acq On : 04 Apr 2019 02:43  
Operator : SY/VA  
Sample : K2188-02  
Misc : 4.86G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF649

Manual Integrations  
APPROVED

MMDadoda  
4/10/2019 8:53:38 AM

Quant Time: Apr 04 04:02:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 04 02:03:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 402381   | 25.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 295664   | 25.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 87707    | 25.00 | ug/L  | 0.00      |

System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 168335   | 31.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 127.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 149549   | 31.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 124.00%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 251443   | 22.20    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 88.80%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 92140    | 53.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.80%  |
| 24) Chloroform-d               | 7.64   | 84    | 290960   | 26.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.00%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 182473   | 27.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 573193   | 36.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 147.72%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 170729   | 35.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 142.44%# |
| 37) Toluene-d8                 | 10.32  | 98    | 447868   | 31.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 124.84%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 45870    | 20.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.24%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 61148    | 67.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 135.34%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105891   | 23.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.04%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 83155    | 27.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.08%  |

Target Compounds

|                         |       |     |       |        | Qvalue    |
|-------------------------|-------|-----|-------|--------|-----------|
| 13) Acetone             | 4.12  | 43  | 30655 | 16.735 | ug/L 99   |
| 14) Carbon disulfide    | 4.37  | 76  | 21801 | 1.312  | ug/L 97   |
| 16) Methylene chloride  | 4.91  | 84  | 32016 | 4.512  | ug/L 95   |
| 21) 2-Butanone          | 7.17  | 43  | 9091m | 3.902  | ug/L      |
| 44) Toluene             | 10.39 | 91  | 11304 | 0.600  | ug/L 94   |
| 52) Chlorobenzene       | 11.66 | 112 | 10229 | 0.843  | ug/L 90   |
| 53) Ethylbenzene        | 11.73 | 91  | 16475 | 0.767  | ug/L 98   |
| 54) m,p-Xylene          | 11.84 | 106 | 3589  | 0.452  | ug/L 85   |
| 55) o-xylene            | 12.16 | 106 | 12212 | 1.615  | ug/L 92   |
| 63) 1,3-Dichlorobenzene | 13.50 | 146 | 19168 | 3.533  | ug/L # 70 |
| 64) 1,4-Dichlorobenzene | 13.58 | 146 | 32887 | 5.684  | ug/L # 88 |

7 m2  
4/7/19

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