

| Sample ID       | Result        | Std. Dev. | RSD   | Mode  | ALT   |
|-----------------|---------------|-----------|-------|-------|-------|
| =====           | =====         | =====     | ===== | ===== | ===== |
| CCV             | 995.1179      |           |       | TOC   |       |
| CCB             | 18.3658       |           |       | TOC   |       |
| LB91575BLS      | 14.7418       |           |       | TOC   |       |
| LB91575BLS..... | 9.2055...     | ..        | ...   | TOC   | ..    |
| LB91575BSS      | 997.2884      |           |       | TOC   |       |
| LB91575BSS      | 1027.0242     |           |       | TOC   |       |
| I6423-02.....   | 7697.8765...  | ..        | ...   | TOC   | ..    |
| I6423-02        | 7553.0142     |           |       | TOC   |       |
| I6423-02        | 8755.8672     |           |       | TOC   |       |
| I6423-02.....   | 8852.2256...  | ..        | ...   | TOC   | ..    |
| I6423-02DUP     | 6692.0571     |           |       | TOC   |       |
| I6423-02DUP     | 7212.9077     |           |       | TOC   |       |
| I6423-02MS..... | 10460.1543... | ..        | ...   | TOC   | ..    |
| I6423-02MS      | 8251.4092     |           |       | TOC   |       |
| CCV             | 968.8795      |           |       | TOC   |       |
| CCB.....        | 16.4117...    | ..        | ...   | TOC   | ..    |

| Method ID    | Sample Type | Vial | Timestamp          | Message                        |
|--------------|-------------|------|--------------------|--------------------------------|
| Boat Sampler | Sample      |      | 2017/11/15 13:15   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 13:17   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 14:01   | Low Sample Detected            |
| Boat Sampler | ...Sample   | ..   | ..2017/11/15 14:04 | ..Low Sample Detected          |
| Boat Sampler | Sample      |      | 2017/11/15 14:08   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 14:12   |                                |
| Boat Sampler | ...Sample   | ..   | ..2017/11/15 14:29 | ..Max Integration Time Reached |
| Boat Sampler | Sample      |      | 2017/11/15 14:35   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 14:41   |                                |
| Boat Sampler | ...Sample   | ..   | ..2017/11/15 14:49 | ..Max Integration Time Reached |
| Boat Sampler | Sample      |      | 2017/11/15 15:33   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 15:43   |                                |
| Boat Sampler | ...Sample   | ..   | ..2017/11/15 16:25 | ..                             |
| Boat Sampler | Sample      |      | 2017/11/15 16:31   |                                |
| Boat Sampler | Sample      |      | 2017/11/15 16:40   |                                |
| Boat Sampler | ...Sample   | ..   | ..2017/11/15 16:44 | ..Low Sample Detected          |

```
=====
Sample ID:   CCV                               Mode:      TOC
Method:      Boat Sampler                     Filename:   11151311
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 13:15
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 995.1179 | 39.8047 | 3688230  | 2.097                 | 3.096              | 138                 |

```
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```

```
Sample ID:   CCB                               Mode:      TOC
Method:      Boat Sampler                     Filename:   11151315
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 13:17
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 18.3658 | 0.7346 | 68070    | 2.094                 | 3.090              | 60                  |

```
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```

```
Sample ID:   LB91575BLS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   11151356
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 14:01
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 14.7418 | 0.5897 | 54638    | 1.844                 | 1.967              | 120                 |

```
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```

Last Message: Low Sample Detected

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```

```
Sample ID:   LB91575BLS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   11151401
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 14:04
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 9.2055 | 0.3682 | 34119    | 1.788                 | 1.932              | 120                 |

```
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```

Last Message: Low Sample Detected

```
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```

```
Sample ID:   LB91575BSS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   11151405
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 14:08
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 997.2884 | 39.8915 | 3696275  | 1.822                 | 2.821              | 117                 |

```
=====
```

```
Sample ID:   LB91575BSS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   11151409
Cal. Curve:  TOC SOIL                         Timestamp: 2017/11/15 14:12
Operator ID: AP AK                           Sample Type: Sample
=====
```

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1027.0242 | 41.0810 | 3806486  | 1.926                 | 2.924              | 123                 |

```
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```

```
Sample ID:   I6423-02                         Mode:      TOC
```

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Method:      | Boat Sampler | Filename:    | 11151415         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 14:29 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 7697.8765 | 100.0724 | 9272521  | 2.995                 | 7.429              | 240                 |

-----  
Last Message: Max Integration Time Reached  
=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151430         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 14:35 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 7553.0142 | 83.8385 | 7768315  | 3.248                 | 4.245              | 153                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151436         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 14:41 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 8755.8672 | 95.4390 | 8843194  | 3.435                 | 4.435              | 157                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151442         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 14:49 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 8852.2256 | 96.4893 | 8940514  | 3.251                 | 5.925              | 240                 |

-----  
Last Message: Max Integration Time Reached  
=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02DUP  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151525         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 15:33 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 6692.0571 | 76.9587 | 7130845  | 2.709                 | 3.708              | 202                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02DUP  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151536         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 15:43 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 7212.9077 | 82.9484 | 7685847  | 2.896                 | 3.892              | 234                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | I6423-02MS   | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 11151620         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2017/11/15 16:25 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 10460.1543 | 97.2794 | 9013730  | 3.233                 | 4.230              | 221                 |

=====

Sample ID: I6423-02MS  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 11151625  
Timestamp: 2017/11/15 16:31  
Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 8251.4092 | 55.2844 | 5122553  | 2.623                 | 3.619              | 208                 |

=====

Sample ID: CCV  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 11151638  
Timestamp: 2017/11/15 16:40  
Sample Type: Sample

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 968.8795 | 38.7552 | 3590982  | 1.227                 | 2.227              | 117                 |

=====

Sample ID: CCB  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 11151641  
Timestamp: 2017/11/15 16:44  
Sample Type: Sample

| Rep # | ppm C   | ug C  | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|-------|----------|-----------------------|--------------------|---------------------|
| 1     | 16.4117 | 0.6   |          |                       |                    |                     |
| 565   | 60827   | 1.056 | 1.246    | 120                   |                    |                     |

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Last Message: Low Sample Detected

=====

| Sample ID     | Result     | Std. Dev. | RSD | Mode | ALT |
|---------------|------------|-----------|-----|------|-----|
| =====         |            |           |     |      |     |
| BLANK         | 72271      |           |     | TOC  |     |
| 250mg/l       | 952874     |           |     | TOC  |     |
| 500mg/l       | 1884859    |           |     | TOC  |     |
| 1000mg/l..... | 3764083... | ..        | ... | TOC  | ..  |
| 2000mg/l      | 7461318    |           |     | TOC  |     |
| ICV           | 925.8488   |           |     | TOC  |     |
| ICB.....      | 20.2760... | ..        | ... | TOC  | ..  |

| Method ID    | Sample Type     | Vial | Timestamp          | Message               |
|--------------|-----------------|------|--------------------|-----------------------|
| Boat Sampler | TOC Standard    |      | 2017/11/06 13:24   | Low Sample Detected   |
| Boat Sampler | TOC Standard    |      | 2017/11/06 13:28   |                       |
| Boat Sampler | TOC Standard    |      | 2017/11/06 13:32   |                       |
| Boat Sampler | ...TOC Standard | ..   | ..2017/11/06 13:37 | ..                    |
| Boat Sampler | TOC Standard    |      | 2017/11/06 13:51   |                       |
| Boat Sampler | Sample          |      | 2017/11/06 13:56   |                       |
| Boat Sampler | ...Sample       | ..   | ..2017/11/06 14:00 | ..Low Sample Detected |

```
=====
Sample ID:   BLANK                      Mode:      TOC
Method:      Boat Sampler                Filename:   11061321
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:24
Operator ID: AP AK                       Sample Type: TOC Standard
```

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
| 1     |       |      | 72271    | 0.806                 | 0.974              | 120                 |

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Last Message: Low Sample Detected  
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```
Sample ID:   250mg/l                      Mode:      TOC
Method:      Boat Sampler                Filename:   11061325
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:28
Operator ID: AP AK                       Sample Type: TOC Standard
```

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
| 1     |       |      | 952874   | 0.724                 | 1.721              | 77                  |

```
Sample ID:   500mg/l                      Mode:      TOC
Method:      Boat Sampler                Filename:   11061329
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:32
Operator ID: AP AK                       Sample Type: TOC Standard
```

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
| 1     |       |      | 1884859  | 0.764                 | 1.764              | 95                  |

```
Sample ID:   1000mg/l                     Mode:      TOC
Method:      Boat Sampler                Filename:   11061333
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:37
Operator ID: AP AK                       Sample Type: TOC Standard
```

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
| 1     |       |      | 3764083  | 0.769                 | 1.768              | 131                 |

```
Sample ID:   2000mg/l                     Mode:      TOC
Method:      Boat Sampler                Filename:   11061347
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:51
Operator ID: AP AK                       Sample Type: TOC Standard
```

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
| 1     |       |      | 7461318  | 0.790                 | 1.790              | 214                 |

```
Sample ID:   ICV                          Mode:      TOC
Method:      Boat Sampler                Filename:   11061352
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 13:56
Operator ID: AP AK                       Sample Type: Sample
```

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 925.8488 | 37.0340 | 3431497  | 1.049                 | 2.047              | 116                 |

```
Sample ID:   ICB                          Mode:      TOC
Method:      Boat Sampler                Filename:   11061357
Cal. Curve:  TOC SOIL                    Timestamp: 2017/11/06 14:00
```

Operator ID: AP AK

Sample Type: Sample

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 20.2760 | 0.8110 | 75149    | 0.949                 | 1.029              | 120                 |

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Last Message: Low Sample Detected

=====

Cal. Curve ID: TOC SOIL  
Created: 2017/11/06 13:52  
Calibration Factor (m): 9.266e+04  
Y Intercept (b): 47337  
r-squared: 0.99996

| Standard ID | Y<br>Raw Data | X Expected<br>ug C | Measured<br>ug C | Message       | Date &<br>Time   |
|-------------|---------------|--------------------|------------------|---------------|------------------|
| BLANK       | 72271         | 0.000              | 0.269            | Low Sample De | 2017/11/06 13:24 |
| 250mg/l     | 952874        | 10.000             | 9.773            |               | 2017/11/06 13:28 |
| 500mg/l     | 1884859       | 20.000             | 19.831           |               | 2017/11/06 13:32 |
| 1000mg/l    | 3764083       | 40.000             | 40.112           |               | 2017/11/06 13:37 |
| 2000mg/l    | 7461318       | 80.000             | 80.014           |               | 2017/11/06 13:51 |