

| Sample ID         | Result        | Std. Dev. | RSD   | Mode  | ALT   |
|-------------------|---------------|-----------|-------|-------|-------|
| =====             | =====         | =====     | ===== | ===== | ===== |
| CCV               | 968.2436      |           |       | TOC   |       |
| CCB               | 3.8376        |           |       | TOC   |       |
| LB101328BLS       | 6.9154        |           |       | TOC   |       |
| LB101328BLS.....  | 5.9538...     | ..        | ...   | TOC   | ..    |
| LB101328BLS       | 6.1649        |           |       | TOC   |       |
| LB101328BLS       | 5.1517        |           |       | TOC   |       |
| LB101328BSS.....  | 1001.5345...  | ..        | ...   | TOC   | ..    |
| LB101328BSS       | 969.1095      |           |       | TOC   |       |
| LB101328BSS       | 1061.3842     |           |       | TOC   |       |
| LB101328BSS.....  | 1044.6768...  | ..        | ...   | TOC   | ..    |
| K1560-03          | 57.3245       |           |       | TOC   |       |
| K1560-03          | 52.1646       |           |       | TOC   |       |
| K1560-03.....     | 49.4716...    | ..        | ...   | TOC   | ..    |
| K1560-03          | 53.8082       |           |       | TOC   |       |
| K1785-01          | 30252.3535    |           |       | TOC   |       |
| K1785-01.....     | 32063.5996... | ..        | ...   | TOC   | ..    |
| K1785-01          | 30940.0547    |           |       | TOC   |       |
| K1785-01          | 28093.6465    |           |       | TOC   |       |
| K1785-02.....     | 39979.6875... | ..        | ...   | TOC   | ..    |
| K1785-02          | 34578.6602    |           |       | TOC   |       |
| K1785-02          | 40500.1797    |           |       | TOC   |       |
| K1785-02.....     | 37182.0547... | ..        | ...   | TOC   | ..    |
| K1785-03          | 38229.1875    |           |       | TOC   |       |
| K1785-03          | 44979.3633    |           |       | TOC   |       |
| K1785-03.....     | 29934.8398... | ..        | ...   | TOC   | ..    |
| K1785-03          | 37341.0430    |           |       | TOC   |       |
| K1785-04          | 39291.3672    |           |       | TOC   |       |
| K1785-04.....     | 38542.6445... | ..        | ...   | TOC   | ..    |
| K1785-04          | 34312.8047    |           |       | TOC   |       |
| K1785-04          | 37136.9258    |           |       | TOC   |       |
| K1785-04DUP.....  | 37511.0898... | ..        | ...   | TOC   | ..    |
| K1785-04DUP       | 38056.4219    |           |       | TOC   |       |
| K1785-04DUP       | 34121.1875    |           |       | TOC   |       |
| K1785-04DUP.....  | 36421.4609... | ..        | ...   | TOC   | ..    |
| K1785-05          | 4002.6770     |           |       | TOC   |       |
| K1785-05          | 3968.2532     |           |       | TOC   |       |
| K1785-05.....     | 4808.9229...  | ..        | ...   | TOC   | ..    |
| K1785-05          | 4195.3716     |           |       | TOC   |       |
| CCV               | 1082.7181     |           |       | TOC   |       |
| CCB.....          | 7.6073...     | ..        | ...   | TOC   | ..    |
| CCV               | 968.2833      |           |       | TOC   |       |
| CCB               | 6.9452        |           |       | TOC   |       |
| LB101328BLS2..... | 10.3951...    | ..        | ...   | TOC   | ..    |
| LB101328BLS2      | 5.0997        |           |       | TOC   |       |
| LB101328BLS2      | 10.9360       |           |       | TOC   |       |
| LB101328BLS2..... | 6.1758...     | ..        | ...   | TOC   | ..    |
| LB101328BSS2      | 1020.5486     |           |       | TOC   |       |
| LB101328BSS2      | 1063.7037     |           |       | TOC   |       |
| LB101328BSS2..... | 1042.3076...  | ..        | ...   | TOC   | ..    |
| LB101328BSS2      | 1101.2318     |           |       | TOC   |       |
| K1785-06          | 3413.8572     |           |       | TOC   |       |
| K1785-06.....     | 3328.7412...  | ..        | ...   | TOC   | ..    |
| K1785-06          | 3504.4548     |           |       | TOC   |       |
| K1785-06          | 4084.7356     |           |       | TOC   |       |
| K1785-07.....     | 50348.5391... | ..        | ...   | TOC   | ..    |
| K1785-07          | 52115.1836    |           |       | TOC   |       |
| K1785-07          | 57571.7812    |           |       | TOC   |       |
| K1785-07.....     | 59716.8945... | ..        | ...   | TOC   | ..    |
| K1785-11MS        | 42951.6836    |           |       | TOC   |       |
| K1785-11MS        | 51841.3398    |           |       | TOC   |       |
| K1785-11MS.....   | 36984.9141... | ..        | ...   | TOC   | ..    |
| K1785-11MS        | 35474.6680    |           |       | TOC   |       |
| K1785-12MSD       | 32984.1562    |           |       | TOC   |       |
| K1785-12MSD.....  | 41323.8359... | ..        | ...   | TOC   | ..    |
| K1785-12MSD       | 40925.2852    |           |       | TOC   |       |
| K1785-12MSD       | 43173.8672    |           |       | TOC   |       |
| K1785-13MS.....   | 5747.3281...  | ..        | ...   | TOC   | ..    |
| K1785-13MS        | 3908.6619     |           |       | TOC   |       |
| K1785-13MS        | 4823.0718     |           |       | TOC   |       |
| K1785-13MS.....   | 5329.7285...  | ..        | ...   | TOC   | ..    |

|                  |              |    |        |    |
|------------------|--------------|----|--------|----|
| K1785-14MSD      | 3965.4631    |    | TOC    |    |
| K1785-14MSD      | 5346.3120    |    | TOC    |    |
| K1785-14MSD..... | 5466.3345... | .. | ...TOC | .. |
| K1785-14MSD      | 5579.2314    |    | TOC    |    |
| CCV              | 996.0680     |    | TOC    |    |
| CCB.....         | 11.4311...   | .. | ...TOC | .. |

| Method ID |         | Sample Type | Vial Timestamp |                    | Message             |
|-----------|---------|-------------|----------------|--------------------|---------------------|
| =====     |         |             |                |                    |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 08:33   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 08:37   | Low Sample Detected |
| Boat      | Sampler | Sample      |                | 2019/03/13 08:40   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 08:43 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/13 08:46   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 08:50   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 08:55 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:01   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:08   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 09:13 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:18   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:22   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 09:31 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:35   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 09:46   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 09:58 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 10:07   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 10:17   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 10:44 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 10:53   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 11:03   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 11:12 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 11:22   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 11:45   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 11:55 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 12:04   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 12:13   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 12:25 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 12:34   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 12:44   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 12:54 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:03   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:12   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 13:21 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:27   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:34   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 13:39 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:45   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/13 13:57   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/13 14:01 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:17   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:21   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 09:24 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:27   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:33   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 09:37 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:43   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:49   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 09:54 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 09:59   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 10:09   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 10:14 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 10:19   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 10:26   |                     |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 10:54 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/14 11:03   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/14 11:13   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 11:22 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/14 11:32   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/14 11:42   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 11:50 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/14 12:00   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/14 12:21   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 12:31 | ..Over-range        |
| Boat      | Sampler | Sample      |                | 2019/03/14 12:40   | Over-range          |
| Boat      | Sampler | Sample      |                | 2019/03/14 12:50   | Over-range          |
| Boat      | Sampler | ...Sample   | ..             | ..2019/03/14 12:59 | ..                  |
| Boat      | Sampler | Sample      |                | 2019/03/14 13:12   |                     |
| Boat      | Sampler | Sample      |                | 2019/03/14 13:19   |                     |

|      |         |     |        |    |    |            |       |    |
|------|---------|-----|--------|----|----|------------|-------|----|
| Boat | Sampler | ... | Sample | .. | .. | 2019/03/14 | 13:31 | .. |
| Boat | Sampler |     | Sample |    |    | 2019/03/14 | 13:46 | .. |
| Boat | Sampler |     | Sample |    |    | 2019/03/14 | 13:52 |    |
| Boat | Sampler | ... | Sample | .. | .. | 2019/03/14 | 13:58 | .. |
| Boat | Sampler |     | Sample |    |    | 2019/03/14 | 14:11 |    |
| Boat | Sampler |     | Sample |    |    | 2019/03/14 | 14:25 |    |
| Boat | Sampler | ... | Sample | .. | .. | 2019/03/14 | 14:29 | .. |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCV          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130829         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:33 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 968.2436 | 38.7297 | 10638842 | 1.487                 | 2.487              | 192                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCB          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130834         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:37 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 3.8376 | 0.1535 | 42166    | 1.418                 | 1.354              | 120                 |

Last Message: Low Sample Detected

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | LB101328BLS  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130838         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:40 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 6.9154 | 0.2766 | 75985    | 1.442                 | 2.436              | 81                  |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | LB101328BLS  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130841         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:43 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 5.9538 | 0.2382 | 65419    | 0.871                 | 1.861              | 84                  |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | LB101328BLS  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130844         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:46 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 6.1649 | 0.2466 | 67739    | 1.180                 | 2.178              | 81                  |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | LB101328BLS  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130847         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 08:50 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 5.1517 | 0.2061 | 56605    | 0.853                 | 1.848              | 80                  |

|             |              |            |                  |
|-------------|--------------|------------|------------------|
| Sample ID:  | LB101328BSS  | Mode:      | TOC              |
| Method:     | Boat Sampler | Filename:  | 03130850         |
| Cal. Curve: | TOC SOIL     | Timestamp: | 2019/03/13 08:55 |

Operator ID: AP AK

Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1001.5345 | 40.0614 | 11004635 | 0.842                 | 1.838              | 228                 |

Sample ID: LB101328BSS  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130856  
Timestamp: 2019/03/13 09:01  
Sample Type: Sample

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 969.1095 | 38.7644 | 10648357 | 0.624                 | 1.621              | 233                 |

Sample ID: LB101328BSS  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130902  
Timestamp: 2019/03/13 09:08  
Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1061.3842 | 42.4554 | 11662251 | 0.509                 | 1.509              | 256                 |

Sample ID: LB101328BSS  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130909  
Timestamp: 2019/03/13 09:13  
Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1044.6768 | 41.7871 | 11478672 | 0.736                 | 1.733              | 228                 |

Sample ID: K1560-03  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130914  
Timestamp: 2019/03/13 09:18  
Sample Type: Sample

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 57.3245 | 2.2930 | 629869   | 0.366                 | 1.366              | 131                 |

Sample ID: K1560-03  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130919  
Timestamp: 2019/03/13 09:22  
Sample Type: Sample

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 52.1646 | 2.0866 | 573173   | 0.488                 | 1.485              | 116                 |

Sample ID: K1560-03  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK

Mode: TOC  
Filename: 03130928  
Timestamp: 2019/03/13 09:31  
Sample Type: Sample

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 49.4716 | 1.9789 | 543583   | 0.427                 | 1.425              | 112                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1560-03     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130932         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 09:35 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 53.8082 | 2.1523 | 591233   | 0.342                 | 1.342              | 117                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-01     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130938         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 09:46 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 30252.3535 | 223.8674 | 61495120 | 1.855                 | 3.822              | 360                 |

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Last Message: Over-range

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-01     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130949         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 09:58 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 32063.5996 | 234.0643 | 64296136 | 3.300                 | 10.382             | 360                 |

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Last Message: Over-range

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-01     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03130959         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 10:07 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 30940.0547 | 241.3324 | 66292660 | 3.584                 | 6.592              | 360                 |

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Last Message: Over-range

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-01     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03131008         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 10:17 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 28093.6465 | 219.1304 | 60193900 | 1.957                 | 3.405              | 360                 |

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Last Message: Over-range

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-02     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03131035         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 10:44 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 39979.6875 | 327.8334 | 90054000 | 5.014                 | 13.146             | 360                 |

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Last Message: Over-range

Sample ID: K1785-02 Mode: TOC  
Method: Boat Sampler Filename: 03131045  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 10:53  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 34578.6602 | 269.7136 | 74088800 | 4.941                 | 8.187              | 360                 |

Last Message: Over-range

Sample ID: K1785-02 Mode: TOC  
Method: Boat Sampler Filename: 03131054  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 11:03  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 40500.1797 | 315.9014 | 86776336 | 1.327                 | 7.100              | 360                 |

Last Message: Over-range

Sample ID: K1785-02 Mode: TOC  
Method: Boat Sampler Filename: 03131104  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 11:12  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 37182.0547 | 297.4564 | 81709608 | 2.775                 | 6.470              | 360                 |

Last Message: Over-range

Sample ID: K1785-03 Mode: TOC  
Method: Boat Sampler Filename: 03131113  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 11:22  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 38229.1875 | 305.8335 | 84010744 | 3.878                 | 22.825             | 360                 |

Last Message: Over-range

Sample ID: K1785-03 Mode: TOC  
Method: Boat Sampler Filename: 03131137  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 11:45  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 44979.3633 | 382.3246 | 105022416 | 3.353                 | 68.273             | 360                 |

Last Message: Over-range

Sample ID: K1785-03 Mode: TOC  
Method: Boat Sampler Filename: 03131147  
Cal. Curve: TOC SOIL Timestamp: 2019/03/13 11:55  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C | ug C | Raw Data | Beginning | Ending | Integration |
|-------|-------|------|----------|-----------|--------|-------------|
|-------|-------|------|----------|-----------|--------|-------------|



| Rep #                    | ppm C      | ug C     | Raw Data | Beginning<br>Baseline       | Ending<br>Baseline | Integration<br>Time |
|--------------------------|------------|----------|----------|-----------------------------|--------------------|---------------------|
| 1                        | 29934.8398 | 263.4266 | 72361808 | 2.838                       | 9.285              | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-03      |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131156          |                    |                     |
| Cal. Curve: TOC SOIL     |            |          |          | Timestamp: 2019/03/13 12:04 |                    |                     |
| Operator ID: AP AK       |            |          |          | Sample Type: Sample         |                    |                     |
| -----                    |            |          |          |                             |                    |                     |
| 1                        | 37341.0430 | 298.7284 | 82059000 | 7.028                       | 14.814             | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-04      |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131205          |                    |                     |
| Cal. Curve: TOC SOIL     |            |          |          | Timestamp: 2019/03/13 12:13 |                    |                     |
| Operator ID: AP AK       |            |          |          | Sample Type: Sample         |                    |                     |
| -----                    |            |          |          |                             |                    |                     |
| 1                        | 39291.3672 | 314.3309 | 86344944 | 2.922                       | 42.070             | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-04      |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131216          |                    |                     |
| Cal. Curve: TOC SOIL     |            |          |          | Timestamp: 2019/03/13 12:25 |                    |                     |
| Operator ID: AP AK       |            |          |          | Sample Type: Sample         |                    |                     |
| -----                    |            |          |          |                             |                    |                     |
| 1                        | 38542.6445 | 308.3412 | 84699584 | 3.597                       | 17.861             | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-04      |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131226          |                    |                     |
| Cal. Curve: TOC SOIL     |            |          |          | Timestamp: 2019/03/13 12:34 |                    |                     |
| Operator ID: AP AK       |            |          |          | Sample Type: Sample         |                    |                     |
| -----                    |            |          |          |                             |                    |                     |
| 1                        | 34312.8047 | 274.5024 | 75404280 | 0.931                       | 4.414              | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-04      |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131235          |                    |                     |
| Cal. Curve: TOC SOIL     |            |          |          | Timestamp: 2019/03/13 12:44 |                    |                     |
| Operator ID: AP AK       |            |          |          | Sample Type: Sample         |                    |                     |
| -----                    |            |          |          |                             |                    |                     |
| 1                        | 37136.9258 | 297.0954 | 81610432 | 3.119                       | 5.887              | 360                 |
| -----                    |            |          |          |                             |                    |                     |
| Last Message: Over-range |            |          |          |                             |                    |                     |
| =====                    |            |          |          |                             |                    |                     |
| Sample ID: K1785-04DUP   |            |          |          | Mode: TOC                   |                    |                     |
| Method: Boat Sampler     |            |          |          | Filename: 03131245          |                    |                     |

Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Timestamp: 2019/03/13 12:54  
Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 37511.0898 | 300.0887 | 82432680 | 1.462                 | 10.313             | 360                 |

-----  
Last Message: Over-range  
=====

Sample ID: K1785-04DUP  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Mode: TOC  
Filename: 03131254  
Timestamp: 2019/03/13 13:03  
Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 38056.4219 | 304.4514 | 83631080 | 1.641                 | 7.522              | 360                 |

-----  
Last Message: Over-range  
=====

Sample ID: K1785-04DUP  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Mode: TOC  
Filename: 03131304  
Timestamp: 2019/03/13 13:12  
Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 34121.1875 | 272.9695 | 74983184 | 3.237                 | 10.815             | 360                 |

-----  
Last Message: Over-range  
=====

Sample ID: K1785-04DUP  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Mode: TOC  
Filename: 03131312  
Timestamp: 2019/03/13 13:21  
Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 36421.4609 | 287.7295 | 79037688 | 4.158                 | 6.994              | 360                 |

-----  
Last Message: Over-range  
=====

Sample ID: K1785-05  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Mode: TOC  
Filename: 03131323  
Timestamp: 2019/03/13 13:27  
Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 4002.6770 | 32.8220 | 9016005  | 7.847                 | 8.832              | 98                  |

-----  
Sample ID: K1785-05  
Method: Boat Sampler  
Cal. Curve: TOC SOIL  
Operator ID: AP AK  
Mode: TOC  
Filename: 03131328  
Timestamp: 2019/03/13 13:34  
Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3968.2532 | 34.9206 | 9592500  | 3.132                 | 4.125              | 116                 |

-----  
Sample ID: K1785-05  
Mode: TOC

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Method:      | Boat Sampler | Filename:    | 03131334         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 13:39 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 4808.9229 | 41.8376 | 11492561 | 4.557                 | 5.555              | 115                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-05     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03131340         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 13:45 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 4195.3716 | 37.3388 | 10256760 | 2.142                 | 3.136              | 124                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCV          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03131353         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 13:57 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1082.7181 | 43.3087 | 11896664 | 1.129                 | 2.128              | 194                 |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCB          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03131358         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/13 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     | 7.6073 | 0.3043 | 83587    | -0.006                | 0.988              | 93                  |

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|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCV          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03140913         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 09:17 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 968.2833 | 38.7313 | 10639279 | -0.604                | 0.392              | 208                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCB          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03140919         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 09:21 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 6.9452 | 0.2778 | 76312    | -0.539                | 0.458              | 87                  |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | LB101328BLS2 | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03140922         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 09:24 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 10.3951 | 0.4158 | 114219   | -0.655                | 0.341              | 89                  |

=====

Sample ID: LB101328BLS2 Mode: TOC  
Method: Boat Sampler Filename: 03140925  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:27  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 5.0997 | 0.2040 | 56034    | -0.021                | 0.976              | 79                  |

Sample ID: LB101328BLS2 Mode: TOC  
Method: Boat Sampler Filename: 03140931  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:33  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C   | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|---------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 10.9360 | 0.4374 | 120163   | -0.722                | 0.275              | 90                  |

Sample ID: LB101328BLS2 Mode: TOC  
Method: Boat Sampler Filename: 03140934  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:37  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C  | ug C   | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|--------|--------|----------|-----------------------|--------------------|---------------------|
| 1     | 6.1758 | 0.2470 | 67858    | -0.776                | 0.222              | 89                  |

Sample ID: LB101328BSS2 Mode: TOC  
Method: Boat Sampler Filename: 03140938  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:43  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1020.5486 | 40.8219 | 11213558 | -0.665                | 0.332              | 239                 |

Sample ID: LB101328BSS2 Mode: TOC  
Method: Boat Sampler Filename: 03140944  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:49  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1063.7037 | 42.5481 | 11687737 | -0.658                | 0.340              | 241                 |

Sample ID: LB101328BSS2 Mode: TOC  
Method: Boat Sampler Filename: 03140950  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:54  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1042.3076 | 41.6923 | 11452642 | -0.203                | 0.796              | 199                 |

Sample ID: LB101328BSS2 Mode: TOC  
Method: Boat Sampler Filename: 03140955  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 09:59  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1101.2318 | 44.0493 | 12100087 | -0.223                | 0.774              | 222                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-06     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141004         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 10:09 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3413.8572 | 27.9936 | 7689692  | 2.373                 | 3.371              | 118                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-06     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141010         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 10:14 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3328.7412 | 27.9614 | 7680847  | 4.885                 | 5.883              | 120                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-06     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141015         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 10:19 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3504.4548 | 28.3861 | 7797498  | 2.953                 | 3.952              | 123                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-06     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141020         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 10:26 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 4084.7356 | 34.7203 | 9537458  | 0.398                 | 1.397              | 168                 |

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-07     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141044         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 10:54 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 50348.5391 | 407.8232 | 112026736 | 5.141                 | 27.855             | 360                 |

Last Message: Over-range

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-07     | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141055         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 11:03 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 52115.1836 | 427.3445 | 117389136 | 5.507                 | 29.955             | 360                 |

Last Message: Over-range

Sample ID: K1785-07 Mode: TOC  
Method: Boat Sampler Filename: 03141104  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 11:13  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 57571.7812 | 489.3601 | 134424480 | 4.698                 | 34.237             | 360                 |

Last Message: Over-range  
=====

Sample ID: K1785-07 Mode: TOC  
Method: Boat Sampler Filename: 03141114  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 11:22  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 59716.8945 | 513.5653 | 141073488 | 9.198                 | 58.049             | 360                 |

Last Message: Over-range  
=====

Sample ID: K1785-11MS Mode: TOC  
Method: Boat Sampler Filename: 03141123  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 11:32  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 42951.6836 | 304.9570 | 83769960 | 4.533                 | 5.529              | 341                 |

Last Message: Over-range  
=====

Sample ID: K1785-11MS Mode: TOC  
Method: Boat Sampler Filename: 03141133  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 11:42  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data  | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|-----------|-----------------------|--------------------|---------------------|
| 1     | 51841.3398 | 404.3625 | 111076096 | 4.615                 | 41.052             | 360                 |

Last Message: Over-range  
=====

Sample ID: K1785-11MS Mode: TOC  
Method: Boat Sampler Filename: 03141143  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 11:50  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 36984.9141 | 299.5778 | 82292336 | 6.946                 | 7.934              | 312                 |

Last Message: Over-range  
=====

Sample ID: K1785-11MS Mode: TOC  
Method: Boat Sampler Filename: 03141151  
Cal. Curve: TOC SOIL Timestamp: 2019/03/14 12:00  
Operator ID: AP AK Sample Type: Sample

| Rep # | ppm C | ug C | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-------|------|----------|-----------------------|--------------------|---------------------|
|-------|-------|------|----------|-----------------------|--------------------|---------------------|

|   |            |          |          |       |        |     |
|---|------------|----------|----------|-------|--------|-----|
| 1 | 35474.6680 | 283.7973 | 77957536 | 2.624 | 11.223 | 360 |
|---|------------|----------|----------|-------|--------|-----|

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Last Message: Over-range  
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Sample ID: K1785-12MSD                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141212  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 12:21  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 32984.1562 | 290.2606 | 79732944 | 0.767                 | 10.828             | 360                 |

-----

Last Message: Over-range  
=====

Sample ID: K1785-12MSD                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141222  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 12:31  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 41323.8359 | 314.0612 | 86270832 | 3.230                 | 8.945              | 360                 |

-----

Last Message: Over-range  
=====

Sample ID: K1785-12MSD                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141231  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 12:40  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 40925.2852 | 311.0322 | 85438784 | 4.625                 | 14.995             | 359                 |

-----

Last Message: Over-range  
=====

Sample ID: K1785-12MSD                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141241  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 12:50  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C      | ug C     | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|------------|----------|----------|-----------------------|--------------------|---------------------|
| 1     | 43173.8672 | 319.4866 | 87761176 | 4.912                 | 23.442             | 360                 |

-----

Last Message: Over-range  
=====

Sample ID: K1785-13MS                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141253  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 12:59  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 5747.3281 | 48.2776 | 13261573 | 3.013                 | 4.010              | 168                 |

=====

Sample ID: K1785-13MS                      Mode: TOC  
Method: Boat Sampler                      Filename: 03141307  
Cal. Curve: TOC SOIL                      Timestamp: 2019/03/14 13:12  
Operator ID: AP AK                      Sample Type: Sample

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3908.6619 | 31.6602 | 8696868  | 4.377                 | 5.367              | 102                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-13MS   | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141313         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 13:19 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 4823.0718 | 39.0669 | 10731453 | 2.093                 | 3.091              | 131                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-13MS   | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141325         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 13:31 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 5329.7285 | 44.2367 | 12151586 | 4.058                 | 5.054              | 113                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-14MSD  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141341         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 13:46 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 3965.4631 | 31.3272 | 8605394  | 4.431                 | 5.413              | 96                  |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-14MSD  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141347         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 13:52 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 5346.3120 | 41.7012 | 11455094 | 4.599                 | 5.590              | 112                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-14MSD  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141353         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 13:58 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 5466.3345 | 42.0908 | 11562099 | 3.146                 | 4.140              | 124                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | K1785-14MSD  | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141406         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 14:11 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 5579.2314 | 42.4022 | 11647635 | 5.230                 | 6.226              | 94                  |

=====

|            |     |       |     |
|------------|-----|-------|-----|
| Sample ID: | CCV | Mode: | TOC |
|------------|-----|-------|-----|



|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Method:      | Boat Sampler | Filename:    | 03141422         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 14:25 |
| Operator ID: | AP AK        | Sample Type: | Sample           |

| Rep # | ppm C    | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 996.0680 | 39.8427 | 10944571 | 0.525                 | 1.524              | 167                 |

=====

|              |              |              |                  |
|--------------|--------------|--------------|------------------|
| Sample ID:   | CCB          | Mode:        | TOC              |
| Method:      | Boat Sampler | Filename:    | 03141426         |
| Cal. Curve:  | TOC SOIL     | Timestamp:   | 2019/03/14 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     | 11.4311 | 0.4572 | 125602   | -0.191                | 0.809              | 81                  |

=====

| <b>CHEMTECH</b>                  |             | Analyst              |                      | AK    |
|----------------------------------|-------------|----------------------|----------------------|-------|
| <b>SOP ID: M9060/A-TOC</b>       |             |                      |                      |       |
| <b>QA Control Code: A2040083</b> |             | Balance ID : WC SC-3 |                      |       |
| Sample ID                        | Weight (mg) | Result (PPM)         | Average-Result (PPM) | RSD   |
| LB101328BLS                      | 40          | 6.9                  | 6                    | 12.32 |
| LB101328BLS                      | 40          | 5.9                  |                      |       |
| LB101328BLS                      | 40          | 6.1                  |                      |       |
| LB101328BLS                      | 40          | 5.1                  |                      |       |
| LB101328BSS                      | 40          | 1001                 | 1019                 | 4.13  |
| LB101328BSS                      | 40          | 968                  |                      |       |
| LB101328BSS                      | 40          | 1061                 |                      |       |
| LB101328BSS                      | 40          | 1044                 |                      |       |
| k1560-03                         | 40          | 57                   | 53                   | 6.26  |
| k1560-03                         | 40          | 52                   |                      |       |
| k1560-03                         | 40          | 49                   |                      |       |
| k1560-03                         | 40          | 53                   |                      |       |
| K1785-01                         | 7.4         | 30252                | 30337                | 5.51  |
| K1785-01                         | 7.3         | 32063                |                      |       |
| K1785-01                         | 7.8         | 30940                |                      |       |
| K1785-01                         | 7.8         | 28093                |                      |       |
| K1785-02                         | 8.2         | 39979                | 38060                | 7.20  |
| K1785-02                         | 7.8         | 34578                |                      |       |
| K1785-02                         | 7.8         | 40500                |                      |       |
| K1785-02                         | 8           | 37182                |                      |       |
| K1785-03                         | 8           | 38229                | 37621                | 16.36 |
| K1785-03                         | 8.5         | 44979                |                      |       |
| K1785-03                         | 8.8         | 29934                |                      |       |
| K1785-03                         | 8           | 37341                |                      |       |
| K1785-04                         | 8           | 39291                | 37320                | 5.88  |
| K1785-04                         | 8           | 38542                |                      |       |
| K1785-04                         | 8.1         | 34312                |                      |       |
| K1785-04                         | 8           | 37136                |                      |       |
| K1785-04DUP                      | 8           | 37511                | 36527                | 4.77  |
| K1785-04DUP                      | 8           | 38056                |                      |       |
| K1785-04DUP                      | 8           | 34121                |                      |       |
| K1785-04DUP                      | 7.9         | 36421                |                      |       |
| K1785-05                         | 8.2         | 4002                 | 4243                 | 9.18  |
| K1785-05                         | 8.8         | 3968                 |                      |       |
| K1785-05                         | 8.7         | 4808                 |                      |       |
| K1785-05                         | 8.9         | 4195                 |                      |       |
| LB101328BLS2                     | 40          | 10.3                 | 8                    | 36.66 |
| LB101328BLS2                     | 40          | 5                    |                      |       |
| LB101328BLS2                     | 40          | 10.9                 |                      |       |
| LB101328BLS2                     | 40          | 6.1                  |                      |       |
| LB101328BSS2                     | 40          | 1020                 | 1057                 | 3.26  |
| LB101328BSS2                     | 40          | 1063                 |                      |       |
| LB101328BSS2                     | 40          | 1042                 |                      |       |
| LB101328BSS2                     | 40          | 1101                 |                      |       |
| K1785-06                         | 8.2         | 3413                 | 3582                 | 9.55  |
| K1785-06                         | 8.4         | 3328                 |                      |       |

| Sample ID   | Weight (mg) | Result (PPM) | Average-Result (PPM) | RSD   |
|-------------|-------------|--------------|----------------------|-------|
| K1785-06    | 8.1         | 3504         |                      |       |
| K1785-06    | 8.5         | 4084         |                      |       |
| k1785-07    | 8.1         | 50348        | 54938                | 8.06  |
| k1785-07    | 8.2         | 52115        |                      |       |
| k1785-07    | 8.5         | 57571        |                      |       |
| k1785-07    | 8.6         | 59716        |                      |       |
| k1785-11MS  | 7.1         | 42951        | 41813                | 17.76 |
| k1785-11MS  | 7.8         | 51841        |                      |       |
| k1785-11MS  | 8.1         | 36984        |                      |       |
| k1785-11MS  | 8           | 35474        |                      |       |
| k1785-12MSD | 8.8         | 32984        | 39601                | 11.41 |
| k1785-12MSD | 7.6         | 41323        |                      |       |
| k1785-12MSD | 7.6         | 40925        |                      |       |
| k1785-12MSD | 7.4         | 43173        |                      |       |
| k1785-13MS  | 8.4         | 5747         | 4952                 | 15.99 |
| k1785-13MS  | 8.1         | 3908         |                      |       |
| k1785-13MS  | 8.1         | 4823         |                      |       |
| k1785-13MS  | 8.3         | 5329         |                      |       |
| k1785-14MSD | 7.9         | 3965         | 5089                 | 14.84 |
| k1785-14MSD | 7.8         | 5346         |                      |       |
| k1785-14MSD | 7.7         | 5466         |                      |       |
| k1785-14MSD | 7.6         | 5579         |                      |       |

| Sample ID     | Result      | Std. Dev. | RSD | Mode | ALT |
|---------------|-------------|-----------|-----|------|-----|
| BLANK         | 70118       |           |     | TOC  |     |
| 250mg/l       | 3074029     |           |     | TOC  |     |
| 500mg/l       | 6147335     |           |     | TOC  |     |
| 1000mg/l..... | 11645519... | ..        | ... | TOC  | ..  |
| 2000mg/l      | 22147596    |           |     | TOC  |     |
| ICV           | 1063.0293   |           |     | TOC  |     |
| ICB.....      | 19.7333...  | ..        | ... | TOC  | ..  |

| Method ID    | Sample Type     | Vial | Timestamp          | Message |
|--------------|-----------------|------|--------------------|---------|
| Boat Sampler | TOC Standard    |      | 2019/03/08 10:22   |         |
| Boat Sampler | TOC Standard    |      | 2019/03/08 10:27   |         |
| Boat Sampler | TOC Standard    |      | 2019/03/08 10:41   |         |
| Boat Sampler | ...TOC Standard | ..   | ..2019/03/08 11:20 | ..      |
| Boat Sampler | TOC Standard    |      | 2019/03/08 11:29   |         |
| Boat Sampler | Sample          |      | 2019/03/08 11:37   |         |
| Boat Sampler | ...Sample       | ..   | ..2019/03/08 11:41 | ..      |

```
=====
Sample ID:   BLANK                      Mode:      TOC
Method:      Boat Sampler                Filename:   03081020
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 10:22
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     |       |      | 70118    | 1.508                 | 2.505              | 90                  |

```
=====
```

```
Sample ID:   250mg/l                    Mode:      TOC
Method:      Boat Sampler                Filename:   03081024
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 10:27
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     |       |      | 3074029  | 3.441                 | 4.437              | 134                 |

```
=====
```

```
Sample ID:   500mg/l                    Mode:      TOC
Method:      Boat Sampler                Filename:   03081037
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 10:41
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     |       |      | 6147335  | 0.442                 | 1.442              | 210                 |

```
=====
```

```
Sample ID:   1000mg/l                   Mode:      TOC
Method:      Boat Sampler                Filename:   03081105
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 11:20
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     |       |      | 11645519 | 0.972                 | 1.970              | 250                 |

```
=====
```

```
Sample ID:   2000mg/l                   Mode:      TOC
Method:      Boat Sampler                Filename:   03081123
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 11:29
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     |       |      | 22147596 | 0.401                 | 2.008              | 300                 |

```
-----
```

Last Message: Max Integration Time Reached

```
=====
```

```
Sample ID:   ICV                        Mode:      TOC
Method:      Boat Sampler                Filename:   03081130
Cal. Curve:  TOC SOIL                   Timestamp: 2019/03/08 11:37
Operator ID: AP AK                       Sample Type: Sample
```

| Rep # | ppm C     | ug C    | Raw Data | Beginning<br>Baseline | Ending<br>Baseline | Integration<br>Time |
|-------|-----------|---------|----------|-----------------------|--------------------|---------------------|
| 1     | 1063.0293 | 42.5212 | 11680326 | 0.342                 | 1.407              | 300                 |

```
-----
```

Last Message: Max Integration Time Reached

```
=====
```

```
Sample ID:   ICB                        Mode:      TOC
```

```
Filename:      03081138
Timestamp:     2019/03/08 11:41
Sample Type:   Sample
```

\_\_\_\_\_

Cal. Curve ID: TOC SOIL  
Created: 2019/03/08 11:30  
Calibration Factor (m): 2.747e+05  
Y Intercept (b): 376088  
r-squared: 0.99903

| Standard ID | Y<br>Raw Data | X Expected<br>ug C | Measured<br>ug C | Message | Date &<br>Time   |
|-------------|---------------|--------------------|------------------|---------|------------------|
| BLANK       | 70118         | 0.000              | -1.114           |         | 2019/03/08 10:22 |
| 250mg/l     | 3074029       | 10.000             | 9.822            |         | 2019/03/08 10:27 |
| 500mg/l     | 6147335       | 20.000             | 21.010           |         | 2019/03/08 10:41 |
| 1000mg/l    | 11645519      | 40.000             | 41.025           |         | 2019/03/08 11:20 |
| 2000mg/l    | 22147596      | 80.000             | 79.257           |         | 2019/03/08 11:29 |