

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
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CCV	1022.0042			TOC	
CCB	2.2575			TOC	
LB89078BL	1.9646			TOC	
LB89078BL.....	14.9068...	..	...	TOC	..
LB89078BS	1064.7590			TOC	
LB89078BS	1068.8611			TOC	
I4469-02.....	4420.0615...	..	...	TOC	..
I4469-02	4413.3291			TOC	
I4469-02	4192.3672			TOC	
I4469-02.....	4269.3423...	..	...	TOC	..
I4469-02DUP	4055.4597			TOC	
I4469-02DUP	4566.8862			TOC	
I4469-02MS.....	5040.6226...	..	...	TOC	..
I4469-02MS	4604.3408			TOC	
I4469-01	4783.5410			TOC	
I4469-01.....	4521.9238...	..	...	TOC	..
I4469-03	2706.2417			TOC	
I4469-03	2711.0161			TOC	
I4469-04.....	7931.6353...	..	...	TOC	..
I4469-04	8158.4067			TOC	
I4380-02	7353.8599			TOC	
I4380-02.....	6979.8833...	..	...	TOC	..
I4467-02	14388.4883			TOC	
I4467-02	11350.1582			TOC	
CCV.....	903.1870...	..	...	TOC	..
CCB	13.0949			TOC	

Method ID		Sample Type		Vial Timestamp		Message	
=====							
Boat	Sampler	Sample		2017/07/28	09:01		
Boat	Sampler	Sample		2017/07/28	09:06	Low	Sample Detected
Boat	Sampler	Sample		2017/07/28	09:10	Low	Sample Detected
Boat	Sampler	...Sample	..	..2017/07/28	09:11	..	
Boat	Sampler	Sample		2017/07/28	09:58		
Boat	Sampler	Sample		2017/07/28	10:01		
Boat	Sampler	...Sample	..	..2017/07/28	10:15	..	
Boat	Sampler	Sample		2017/07/28	10:21		
Boat	Sampler	Sample		2017/07/28	10:24		
Boat	Sampler	...Sample	..	..2017/07/28	10:40	..	
Boat	Sampler	Sample		2017/07/28	10:51		
Boat	Sampler	Sample		2017/07/28	11:05		
Boat	Sampler	...Sample	..	..2017/07/28	11:18	..	
Boat	Sampler	Sample		2017/07/28	11:37		
Boat	Sampler	Sample		2017/07/28	11:44		
Boat	Sampler	...Sample	..	..2017/07/28	11:49	..	
Boat	Sampler	Sample		2017/07/28	11:56		
Boat	Sampler	Sample		2017/07/28	11:59		
Boat	Sampler	...Sample	..	..2017/07/28	12:05	..	
Boat	Sampler	Sample		2017/07/28	12:09		
Boat	Sampler	Sample		2017/07/28	12:16		
Boat	Sampler	...Sample	..	..2017/07/28	12:21	..	
Boat	Sampler	Sample		2017/07/28	12:31		
Boat	Sampler	Sample		2017/07/28	12:37		
Boat	Sampler	...Sample	..	..2017/07/28	12:42	..	
Boat	Sampler	Sample		2017/07/28	12:46		

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Sample ID:   CCV                               Mode:      TOC
Method:      Boat Sampler                     Filename:   07280855
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 09:01
Operator ID: AP AK                           Sample Type: Sample
=====
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Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1022.0042	40.8802	3283724	0.817	1.814	74

```
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```
Sample ID:   CCB                               Mode:      TOC
Method:      Boat Sampler                     Filename:   07280903
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 09:06
Operator ID: AP AK                           Sample Type: Sample
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```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.2575	0.0903	7253	0.885	0.866	120

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Last Message: Low Sample Detected

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```
Sample ID:   LB89078BL                       Mode:      TOC
Method:      Boat Sampler                     Filename:   07280907
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 09:10
Operator ID: AP AK                           Sample Type: Sample
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```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.9646	0.0786	6312	0.839	0.703	120

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```

Last Message: Low Sample Detected

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```
Sample ID:   LB89078BL                       Mode:      TOC
Method:      Boat Sampler                     Filename:   07280910
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 09:11
Operator ID: AP AK                           Sample Type: Sample
=====
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14.9068	0.5963	47896	1.527	2.511	28

```
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```

```
Sample ID:   LB89078BS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   07280956
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 09:58
Operator ID: AP AK                           Sample Type: Sample
=====
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1064.7590	42.5904	3421096	1.093	2.093	86

```
=====
```

```
Sample ID:   LB89078BS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   07280959
Cal. Curve:  TOC SOIL                         Timestamp: 2017/07/28 10:01
Operator ID: AP AK                           Sample Type: Sample
=====
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1068.8611	42.7544	3434276	1.056	2.056	86

```
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```

```
Sample ID:   I4469-02                       Mode:      TOC
```

Method:	Boat Sampler	Filename:	07281009
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 10:15
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4420.0615	97.2414	7810969	1.264	2.262	158

=====

Sample ID:	I4469-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281016
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 10:21
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4413.3291	79.4399	6381059	1.570	2.567	160

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Sample ID:	I4469-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281021
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 10:24
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4192.3672	67.0779	5388070	1.888	2.887	84

=====

Sample ID:	I4469-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281037
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 10:40
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4269.3423	68.3095	5486999	2.138	3.137	95

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Sample ID:	I4469-02DUP	Mode:	TOC
Method:	Boat Sampler	Filename:	07281047
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 10:51
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4055.4597	64.8874	5212115	1.512	2.512	116

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Sample ID:	I4469-02DUP	Mode:	TOC
Method:	Boat Sampler	Filename:	07281101
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 11:05
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4566.8862	73.0702	5869405	1.739	2.738	101

=====

Sample ID:	I4469-02MS	Mode:	TOC
Method:	Boat Sampler	Filename:	07281115
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 11:18
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5040.6226	65.5281	5263583	1.682	2.679	120

=====

Sample ID: I4469-02MS Mode: TOC
Method: Boat Sampler Filename: 07281135
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 11:37
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4604.3408	69.0651	5547696	2.230	3.226	86

Sample ID: I4469-01 Mode: TOC
Method: Boat Sampler Filename: 07281139
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 11:44
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4783.5410	62.1860	4995130	1.255	2.255	113

Sample ID: I4469-01 Mode: TOC
Method: Boat Sampler Filename: 07281145
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 11:49
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4521.9238	81.3946	6538072	1.708	2.707	166

Sample ID: I4469-03 Mode: TOC
Method: Boat Sampler F
Filename: 07281151
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 11:56
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2706.2417	56.8311	4564990	1.296	2.295	205

Sample ID: I4469-03 Mode: TOC
Method: Boat Sampler Filename: 07281156
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 11:59
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2711.0161	37.9542	3048696	1.204	2.203	85

Sample ID: I4469-04 Mode: TOC
Method: Boat Sampler Filename: 07281200
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 12:05
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7931.6353	103.1113	8282473	1.399	2.397	131

Sample ID: I4469-04 Mode: TOC
Method: Boat Sampler Filename: 07281206
Cal. Curve: TOC SOIL Timestamp: 2017/07/28 12:09
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	8158.4067	89.7425	7208617	1.457	2.457	146

Sample ID:	I4380-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281210
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:16
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7353.8599	102.9540	8269844	0.997	1.994	204

Sample ID:	I4380-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281217
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:21
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6979.8833	76.7787	6167296	1.235	2.235	159

Sample ID:	I4467-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281225
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:31
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14388.4883	158.2734	12713403	1.372	2.369	209

Sample ID:	I4467-02	Mode:	TOC
Method:	Boat Sampler	Filename:	07281232
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:37
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11350.1582	124.8517	10028790	2.013	3.008	185

Sample ID:	CCV	Mode:	TOC
Method:	Boat Sampler	Filename:	07281239
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:42
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	903.1870	36.1275	2901961	3.937	4.927	53

Sample ID:	CCB	Mode:	TOC
Method:	Boat Sampler	Filename:	07281245
Cal. Curve:	TOC SOIL	Timestamp:	2017/07/28 12:46
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13.0949	0.5238	42074	0.946	1.941	25

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
BLANK	334110			TOC	
250mg/l	1012653			TOC	
500mg/l	1980117			TOC	
1000mg/l.....	3620980...	..	...	TOC	..
2000mg/l	6703403			TOC	
ICV	1058.9725			TOC	
ICB.....	15.2595...	..	...	TOC	..

Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	TOC Standard		2017/07/10 10:33	
Boat Sampler	TOC Standard		2017/07/10 10:53	
Boat Sampler	TOC Standard		2017/07/10 10:59	
Boat Sampler	...TOC Standard	..	..2017/07/10 11:03	..
Boat Sampler	TOC Standard		2017/07/10 11:10	
Boat Sampler	Sample		2017/07/10 11:16	
Boat Sampler	...Sample	..	..2017/07/10 11:19	..


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=====
Sample ID:   BLANK                      Mode:      TOC
Method:      Boat Sampler                Filename:   07101028
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 10:33
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			334110	0.509	1.507	51

```
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```
Sample ID:   250mg/l                      Mode:      TOC
Method:      Boat Sampler                Filename:   07101049
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 10:53
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			1012653	0.167	1.160	58

```
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```

```
Sample ID:   500mg/l                      Mode:      TOC
Method:      Boat Sampler                Filename:   07101056
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 10:59
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			1980117	0.219	1.218	90

```
=====
```

```
Sample ID:   1000mg/l                     Mode:      TOC
Method:      Boat Sampler                Filename:   07101100
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 11:03
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			3620980	0.309	1.308	87

```
=====
```

```
Sample ID:   2000mg/l                     Mode:      TOC
Method:      Boat Sampler                Filename:   07101107
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 11:10
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			6703403	0.618	1.615	114

```
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```

```
Sample ID:   ICV                          Mode:      TOC
Method:      Boat Sampler                Filename:   07101112
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 11:16
Operator ID: AP AK                       Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1058.9725	42.3589	3402504	0.354	1.351	81

```
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```

```
Sample ID:   ICB                          Mode:      TOC
Method:      Boat Sampler                Filename:   07101117
Cal. Curve:  TOC SOIL                    Timestamp: 2017/07/10 11:19
Operator ID: AP AK                       Sample Type: Sample
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Cal. Curve ID: TOC SOIL
Created: 2017/07/10 11:11
Calibration Factor (m): 8.033e+04
Y Intercept (b): 320485
r-squared: 0.99904

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
BLANK	334110	0.000	0.170		2017/07/10 10:33
250mg/l	1012653	10.000	8.617		2017/07/10 10:53
500mg/l	1980117	20.000	20.661		2017/07/10 10:59
1000mg/l	3620980	40.000	41.089		2017/07/10 11:03
2000mg/l	6703404	80.000	79.463		2017/07/10 11:10

CHEMTECH					
SOP ID: MLLOYD KAHN-TOC			Analyst: AP		
QA Control Code: A2040083			Balance ID : WC SC-2		
Sample ID	Weight (mg)	Results (PPM)	Average-Results (PPM)	RSD	STDEV
LB89078BL	40	1.9	8	107.62	111.93 which is less than 3X47.64 =142.92 * 47.64 is STDEV or 15 replicates of 1000 ppm std run on 6/3/2016
LB89078BL	40	14			
LB89078BS	40	1064	1066	0.27	
LB89078BS	40	1068			
I4469-02	22	4420	4324	2.59	
I4469-02	18	4413			
I4469-02	16	4192			
I4469-02	16	4269			
I4469-02DUP	16	4055	4311	8.38	
I4469-02DUP	16	4566			
I4469-02MS	13	5040	4822	6.39	
I4469-02MS	15	4604			
I4469-01	13	4783	4652	3.98	
I4469-01	18	4521			
I4469-03	21	2706	2709	0.13	
I4469-03	14	2711			
I4469-04	13	7931	8045	2.00	
I4469-04	11	8158			
I4380-02	14	7353	7166	3.69	
I4380-02	11	6979			
I4467-02	11	14388	12869	16.69	
I4467-02	11	11350			