

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
=====					
CCV	947.3272			TOC	
CCB	5.4981			TOC	
LB89942BLS	9.1428			TOC	
LB89942BLS.....	1.6819...	..	...	TOC	..
LB89942BSS	947.2395			TOC	
LB89942BSS	949.3599			TOC	
I5026-02.....	14340.5898...	..	...	TOC	..
I5026-02	10702.9424			TOC	
I5026-02	20453.7520			TOC	
I5026-02.....	13749.3223...	..	...	TOC	..
I5026-02	16010.4834			TOC	
I5026-02	18022.2559			TOC	
I5026-02.....	13424.3125...	..	...	TOC	..
I5026-02	16903.6738			TOC	
I5026-02	20432.2734			TOC	
I5026-02.....	18124.5000...	..	...	TOC	..
I5026-02	17827.7559			TOC	
I5026-02	11867.9697			TOC	
I5026-02.....	15108.9707...	..	...	TOC	..
I5026-02	14189.2500			TOC	
I5026-02	15160.4395			TOC	
CCV.....	1035.0544...	..	...	TOC	..
CCB	27.1828			TOC	
I5120-01	4353.8770			TOC	
I5120-01.....	6963.8862...	..	...	TOC	..
I5120-01	6906.5405			TOC	
I5120-01	6326.9634			TOC	
I5120-01DUP.....	6917.5537...	..	...	TOC	..
I5120-01DUP	5593.9194			TOC	
I5120-01MS	7474.3291			TOC	
I5120-01MS.....	7320.6802...	..	...	TOC	..
CCV	975.6638			TOC	
CCB	7.3533			TOC	

Method ID	Sample Type	Vial	Timestamp	Message
=====				
Boat Sampler	Sample		2017/09/08 09:28	
Boat Sampler	Sample		2017/09/08 09:32	Low Sample Detected
Boat Sampler	Sample		2017/09/08 09:39	Low Sample Detected
Boat Sampler	...Sample	..	..2017/09/08 09:42	..Low Sample Detected
Boat Sampler	Sample		2017/09/08 09:48	
Boat Sampler	Sample		2017/09/08 09:51	
Boat Sampler	...Sample	..	..2017/09/08 10:13	..Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 10:19	
Boat Sampler	Sample		2017/09/08 10:27	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 10:33	..Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 10:40	Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 10:47	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 10:53	..
Boat Sampler	Sample		2017/09/08 10:59	
Boat Sampler	Sample		2017/09/08 11:20	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 11:28	..
Boat Sampler	Sample		2017/09/08 11:35	
Boat Sampler	Sample		2017/09/08 11:42	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 11:49	..
Boat Sampler	Sample		2017/09/08 12:07	Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 12:27	
Boat Sampler	...Sample	..	..2017/09/08 12:34	..
Boat Sampler	Sample		2017/09/08 12:51	
Boat Sampler	Sample		2017/09/08 12:59	
Boat Sampler	...Sample	..	..2017/09/08 13:06	..Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 13:16	Max Integration Time Reached
Boat Sampler	Sample		2017/09/08 13:24	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 14:42	..
Boat Sampler	Sample		2017/09/08 14:57	
Boat Sampler	Sample		2017/09/08 15:03	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/09/08 15:17	..
Boat Sampler	Sample		2017/09/08 15:22	
Boat Sampler	Sample		2017/09/08 15:49	Low Sample Detected

```
=====
Sample ID:   CCV                               Mode:      TOC
Method:      Boat Sampler                     Filename:   09080926
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:28
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	947.3272	37.8931	3814422	0.237	1.235	105

```
=====
```

```
Sample ID:   CCB                               Mode:      TOC
Method:      Boat Sampler                     Filename:   09080929
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:32
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.4981	0.2199	22138	0.428	0.345	120

```
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```

Last Message: Low Sample Detected

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```

```
Sample ID:   LB89942BLS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   09080936
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:39
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.1428	0.3657	36814	0.268	0.355	120

```
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```

Last Message: Low Sample Detected

```
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```

```
Sample ID:   LB89942BLS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   09080939
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:42
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.6819	0.0673	6772	0.596	0.386	120

```
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```

Last Message: Low Sample Detected

```
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```

```
Sample ID:   LB89942BSS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   09080943
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:48
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	947.2395	37.8896	3814069	0.316	1.315	99

```
=====
```

```
Sample ID:   LB89942BSS                       Mode:      TOC
Method:      Boat Sampler                     Filename:   09080948
Cal. Curve:  TOC SOIL                         Timestamp: 2017/09/08 09:51
Operator ID: AP AK                           Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	949.3599	37.9744	3822607	0.502	1.499	101

```
=====
```

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081005
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:13
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14340.5898	143.4059	14435631	0.639	2.739	240

Last Message: Max Integration Time Reached

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081014
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:19
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10702.9424	131.6462	13251866	0.886	1.884	212

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081020
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:27
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	20453.7520	126.8133	12765371	1.436	3.304	240

Last Message: Max Integration Time Reached

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081027
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:33
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13749.3223	177.3663	17854174	1.219	4.444	240

Last Message: Max Integration Time Reached

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081034
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:40
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	16010.4834	110.4723	11120448	0.988	6.126	240

Last Message: Max Integration Time Reached

Sample ID: I5026-02 Mode: TOC
Method: Boat Sampler Filename: 09081041
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 10:47
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	18022.2559	153.1892	15420442	0.772	3.344	240

Last Message: Max Integration Time Reached

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081048
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 10:53
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13424.3125	115.4491	11621421	1.073	2.072	205

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081054
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 10:59
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	16903.6738	121.7065	12251306	1.055	2.052	167

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081114
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 11:20
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	20432.2734	157.3285	15837118	0.510	1.845	240

Last Message: Max Integration Time Reached

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081122
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 11:28
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	18124.5000	150.4334	15143034	0.832	1.831	215

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081129
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 11:35
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	17827.7559	155.1015	15612940	0.677	1.676	227

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081136
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 11:42
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11867.9697	157.8440	15889010	0.847	2.287	240

Last Message: Max Integration Time Reached

=====

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081143
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 11:49
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15108.9707	164.6878	16577924	0.474	1.471	226

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081202
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 12:07
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14189.2500	192.9738	19425272	0.147	6.595	240

Last Message: Max Integration Time Reached

Sample ID:	I5026-02	Mode:	TOC
Method:	Boat Sampler	Filename:	09081221
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 12:27
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15160.4395	128.8637	12971777	0.019	1.019	221

Sample ID:	CCV	Mode:	TOC
Method:	Boat Sampler	Filename:	09081229
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 12:34
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1035.0544	41.4022	4167657	0.030	1.029	118

Sample ID:	CCB	Mode:	TOC
Method:	Boat Sampler	Filename:	09081249
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 12:51
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	27.1828	1.0873	109452	0.486	1.484	50

Sample ID:	I5120-01	Mode:	TOC
Method:	Boat Sampler	Filename:	09081255
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 12:59
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4353.8770	37.0080	3725322	0.829	1.828	141

Sample ID:	I5120-01	Mode:	TOC
Method:	Boat Sampler	Filename:	09081301
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 13:06
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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	Baseline	Baseline	Time
1 6963.8862 66.1569 6659537	0.843	3.161	240

Last Message: Max Integration Time Reached
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Sample ID: I5120-01 Mode: TOC
Method: Boat Sampler Filename: 09081310
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 13:16
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6906.5405	75.9719	7647545	0.591	2.327	240

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

Sample ID: I5120-01 Mode: TOC
Method: Boat Sampler Filename: 09081317
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 13:24
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6326.9634	69.5966	7005784	1.016	2.478	240

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

Sample ID: I5120-01DUP Mode: TOC
Method: Boat Sampler Filename: 09081434
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 14:42
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6917.5537	71.9426	7241935	0.619	1.618	232

=====

Sample ID: I5120-01DUP Mode: TOC
Method: Boat Sampler Filename: 09081443
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 14:57
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5593.9194	64.3301	6475642	0.694	1.692	181

=====

Sample ID: I5120-01MS Mode: TOC
Method: Boat Sampler Filename: 09081458
Cal. Curve: TOC SOIL Timestamp: 2017/09/08 15:03
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7474.3291	73.2484	7373387	2.141	4.824	240

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

Sample ID: I5120-01MS Mode: TOC
Method: Boat Sampler Filename: 09081513
Cal. Curve: TOC SOIL Timestamp:
2017/09/08 15:17
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7320.6802	72.4747	7295505	2.574	3.571	141

Sample ID:	CCV	Mode:	TOC
Method:	Boat Sampler	Filename:	09081518
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 15:22
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	975.6638	39.0266	3928520	12.452	13.408	63

Sample ID:	CCB	Mode:	TOC
Method:	Boat Sampler	Filename:	09081547
Cal. Curve:	TOC SOIL	Timestamp:	2017/09/08 15:49
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.3533	0.2941	29608	0.527	0.561	120

Last Message: Low Sample Detected

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
=====	=====	=====	=====	=====	=====
BLANK	60826			TOC	
250mg/l	1162112			TOC	
500mg/l	2317410			TOC	
1000mg/l.....	4364747...	..	...	TOC	..
2000mg/l	8144892			TOC	
ICV	966.7576			TOC	
ICB.....	14.8747...	..	...	TOC	..

Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	TOC Standard		2017/08/14 11:43	Low Sample Detected
Boat Sampler	TOC Standard		2017/08/14 11:46	
Boat Sampler	TOC Standard		2017/08/14 11:50	
Boat Sampler	...TOC Standard	..	..2017/08/14 11:55	..
Boat Sampler	TOC Standard		2017/08/14 12:01	
Boat Sampler	Sample		2017/08/14 12:05	
Boat Sampler	...Sample	..	..2017/08/14 12:09	..Low Sample Detected

Cal. Curve ID: TOC SOIL
Created: 2017/08/14 12:01
Calibration Factor (m): 1.007e+05
Y Intercept (b): 190115
r-squared: 0.99846

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
BLANK	60826	0.000	-1.284	Low Sample De	2017/08/14 11:43
250mg/l	1162112	10.000	9.656		2017/08/14 11:46
500mg/l	2317410	20.000	21.133		2017/08/14 11:50
1000mg/l	4364747	40.000	41.471		2017/08/14 11:55
2000mg/l	8144892	80.000	79.024		2017/08/14 12:01

CHEMTECH SOP ID: MLLOYD KAHN-TOC QA Control Code: A2040083					
			Analyst: AP Balance ID : WC SC-2		
Sample ID	Weight (mg)	Results (PPM)	Average-Results (PPM)	RSD	STDEV
LB89942BLS	40	9.1	5	99.13	2874.86
LB89942BLS	40	1.6			
LB89942BSS	40	947	948	0.15	
LB89942BSS	40	949			
I5026-02	10	14340	14811	19.41	
I5026-02	12.3	10702			
I5026-02	6.2	20453			
I5026-02	12.9	13749			
I5026-02	6.9	16010			
I5026-02	8.5	18022			
I5026-02	8.6	13424			
I5026-02	7.2	16903			
I5026-02	7.7	20432			
I5026-02	8.3	18124			
I5026-02	8.7	17827			
I5026-02	13.3	11867			1223.66 which is less than 3X2874.86 =8624.58 * 2874.86 is STDEV for 15 replicates I5026-02 SAMPLE run on 9/8/2017
I5026-02	10.9	15108			
I5026-02	13.6	14189			
I5026-02	8.5	15160			
I5120-01	8.5	4353	6137	19.94	
I5120-01	9.5	6963			
I5120-01	11	6906			
I5120-01	11	6326			
I5120-01DUP	10.4	6917	6255	14.97	
I5120-01DUP	11.5	5593			
I5120-01MS	9.8	7474	7397	1.47	
I5120-01MS	9.9	7320			