

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	..
CCV	927.6461			TOC	
CCB	7.8810			TOC	
LB89421BLS.....	4.0831...	..	...	TOC	..
LB89421BLS	3.0987			TOC	
LB89421BSS	955.6561			TOC	
LB89421BSS.....	981.5412...	..	...	TOC	..
I4649-02	47793.4766			TOC	
I4649-02	42576.6133			TOC	
I4649-02.....	37589.6836...	..	...	TOC	..
I4649-02	40114.4727			TOC	
I4649-02DUP	46807.0117			TOC	
I4649-02DUP.....	46088.3047...	..	...	TOC	..
I4649-02MS	46727.3438			TOC	
I4649-02MS	43900.3750			TOC	
I4649-04.....	13782.4375...	..	...	TOC	..
I4649-04	11477.1787			TOC	
I4750-02	6721.5830			TOC	
I4750-02.....	5750.7676...	..	...	TOC	..
CCV	917.3826			TOC	
CCB	21.9355			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
Boat Sampler	Sample	2017/08/14	12:12	
Boat Sampler	Sample	2017/08/14	12:16	Low Sample Detected
Boat Sampler	...Sample	..	..2017/08/14 12:20	..Low Sample Detected
Boat Sampler	Sample	2017/08/14	12:23	Low Sample Detected
Boat Sampler	Sample	2017/08/14	12:27	
Boat Sampler	...Sample	..	..2017/08/14 12:31	..
Boat Sampler	Sample	2017/08/14	12:42	Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	12:48	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/08/14 12:54	..Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	13:01	Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	13:08	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/08/14 13:14	..Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	13:21	Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	13:30	Max Integration Time Reached
Boat Sampler	...Sample	..	..2017/08/14 14:06	..
Boat Sampler	Sample	2017/08/14	14:13	Max Integration Time Reached
Boat Sampler	Sample	2017/08/14	14:20	
Boat Sampler	...Sample	..	..2017/08/14 14:25	..
Boat Sampler	Sample	2017/08/14	14:46	
Boat Sampler	Sample	2017/08/14	14:52	

```
=====
Sample ID:   BLANK                      Mode:      TOC
Method:      Boat Sampler                Filename:   08141140
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 11:43
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			60826	0.745	0.855	120

Last Message: Low Sample Detected
=====

```
Sample ID:   250mg/l                    Mode:      TOC
Method:      Boat Sampler                Filename:   08141144
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 11:46
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			1162112	0.731	1.728	73

```
Sample ID:   500mg/l                    Mode:      TOC
Method:      Boat Sampler                Filename:   08141147
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 11:50
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			2317410	0.745	1.745	88

```
Sample ID:   1000mg/l                   Mode:      TOC
Method:      Boat Sampler                Filename:   08141151
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 11:55
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			4364747	0.795	1.794	140

```
Sample ID:   2000mg/l                   Mode:      TOC
Method:      Boat Sampler                Filename:   08141155
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 12:01
Operator ID: AP AK                       Sample Type: TOC Standard
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			8144892	0.885	1.885	229

```
Sample ID:   ICV                        Mode:      TOC
Method:      Boat Sampler                Filename:   08141201
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 12:05
Operator ID: AP AK                       Sample Type: Sample
```

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	966.7576	38.6703	3892659	0.716	1.715	156

```
Sample ID:   ICB                        Mode:      TOC
Method:      Boat Sampler                Filename:   08141206
Cal. Curve:  TOC SOIL                   Timestamp: 2017/08/14 12:09
```

Operator ID: AP AK

Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	14.8747	0.5950	59893	0.694	0.994	120

Last Message: Low Sample Detected
=====

Sample ID:	CCV	Mode:	TOC
Method:	Boat Sampler	Filename:	08141210
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 12:12
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	927.6461	37.1058	3735176	0.792	1.792	116

Sample ID: CCB
Method: Boat Sampler
Cal. Curve: TOC SOIL
Operator ID: AP AK
Mode: TOC
Filename: 08141213
Timestamp: 2017/08/14 12:16
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.8810	0.3152	31733	0.938	0.970	120

Last Message: Low Sample Detected
=====

Sample ID:	LB89421BLS	Mode:	TOC
Method:	Boat Sampler	Filename:	08141217
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 12:20
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.0831	0.1633	16441	0.988	0.924	120

Last Message: Low Sample Detected
=====

Sample ID:	LB89421BLS	Mode:	TOC
Method:	Boat Sampler	Filename:	08141220
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 12:23
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.0987	0.1239	12477	0.876	0.766	120

Last Message: Low Sample Detected
=====

Sample ID:	LB89421BSS	Mode:	TOC
Method:	Boat Sampler	Filename:	08141224
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 12:27
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	955.6561	38.2262	3847958	0.711	1.711	132

Sample ID: LB89421BSS
Method: Boat Sampler
Cal. Curve: TOC SOIL
Mode: TOC
Filename: 08141228
Timestamp: 2017/08/14 12:31

Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	981.5412	39.2616	3952185	0.824	1.824	128

Sample ID: I4649-02 Mode: TOC
Method: Boat Sampler Filename: 08141236
Cal. Curve: TOC SOIL Timestamp: 2017/08/14 12:42
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	47793.4766	411.0239	41374792	0.708	68.419	240

Last Message: Max Integration Time Reached

Sample ID: I4649-02 Mode: TOC
Method: Boat Sampler Filename: 08141242
Cal. Curve: TOC SOIL Timestamp: 2017/08/14 12:48
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	42576.6133	370.4165	37287144	2.844	36.862	240

Last Message: Max Integration Time Reached

Sample ID: I4649-02 Mode: TOC
Method: Boat Samp Filename: 08141249
ler
Cal. Curve: TOC SOIL Timestamp: 2017/08/14 12:54
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	37589.6836	319.5123	32162984	3.160	35.186	240

Last Message: Max Integration Time Reached

Sample ID: I4649-02 Mode: TOC
Method: Boat Sampler Filename: 08141255
Cal. Curve: TOC SOIL Timestamp: 2017/08/14 13:01
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	40114.4727	324.9272	32708064	2.698	37.194	240

Last Message: Max Integration Time Reached

Sample ID: I4649-02DUP Mode: TOC
Method: Boat Sampler Filename: 08141302
Cal. Curve: TOC SOIL Timestamp: 2017/08/14 13:08
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	46807.0117	346.3719	34866744	1.840	30.684	240

Last Message: Max Integration Time Reached

Sample ID:	I4649-02DUP	Mode:	TOC
Method:	Boat Sampler	Filename:	08141309
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 13:14
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	46088.3047	364.0976	36651064	1.587	43.561	240

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

Sample ID:	I4649-02MS	Mode:	TOC
Method:	Boat Sampler	Filename:	08141315
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 13:21
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	46727.3438	345.7823	34807400	1.794	48.825	240

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

Sample ID:	I4649-02MS	Mode:	TOC
Method:	Boat Sampler	Filename:	08141323
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 13:30
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	43900.3750	329.2528	33143490	2.001	41.635	240

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

Sample ID:	I4649-04	Mode:	TOC
Method:	Boat Sampler	Filename:	08141400
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:06
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13782.4375	133.6896	13457566	2.498	3.497	238

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

Sample ID:	I4649-04	Mode:	TOC
Method:	Boat Sampler	Filename:	08141407
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:13
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11477.1787	94.1129	9473659	1.704	3.872	240

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

Sample ID:	I4750-02	Mode:	TOC
Method:	Boat Sampler	Filename:	08141414
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:20
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6721.5830	63.1829	6360162	1.591	2.589	155

=====

Sample ID:	I4750-02	Mode:	TOC
Method:	Boat Sampler	Filename:	08141422
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:25
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5750.7676	41.9806	4225883	1.598	2.597	122

=====

Sample ID:	CCV	Mode:	TOC
Method:	Boat Sampler	Filename:	08141443
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:46
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	917.3826	36.6953	3693850	5.826	6.825	96

=====

Sample ID:	CCB	Mode:	TOC
Method:	Boat Sampler	Filename:	08141450
Cal. Curve:	TOC SOIL	Timestamp:	2017/08/14 14:52
Operator ID:	AP AK	Sample Type:	Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	21.9355	0.8774	88323	1.375	2.374	52

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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
LB89421BLS	40	4	4	20.20	very high result 4355.20 which is NOT less than 3X47.64 =142.92 * 47.64 is STDEV for 15 replicates of 1000 ppm std run on 6/3/2016 very high result
LB89421BLS	40	3			
LB89421BSS	40	955	968	1.90	
LB89421BSS	40	981			
I4649-02	8.6	47793	42018	10.37	
I4649-02	8.7	42576			
I4649-02	8.5	37589			
I4649-02	8.1	40114			
I4649-02DUP	7.4	46807	46448	1.09	
I4649-02DUP	7.9	46088			
I4649-02MS	7.4	46727	45314	4.41	
I4649-02MS	7.5	43900			
I4649-04	9.7	13782	12630	12.91	
I4649-04	8.2	11477			
I4750-02	9.4	6721	6236	11.01	
I4750-02	7.3	5750			
			#DIV/0!	#DIV/0!	

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