

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV	944.8628			TOC	
CCB	9.6406			TOC	
LB105883BLS	15.0256			TOC	
LB105883BLS.....	11.5429...	..	...	TOC	..
LB105883BSS	1012.7652			TOC	
LB105883BSS	925.4355			TOC	
K5111-06.....	59.7070...	..	...	TOC	..
K5111-06	44.6467			TOC	
K5111-06	42.9133			TOC	
K5111-06.....	48.5528...	..	...	TOC	..
K5510-01	12448.9268			TOC	
K5510-01	10339.6992			TOC	
K5510-01DUP.....	11517.2402...	..	...	TOC	..
K5510-01DUP	10602.3086			TOC	
K5510-01MS	11591.0635			TOC	
K5510-01MS .....	12370.1006...	..	...	TOC	..
K5510-01MSD	11971.6758			TOC	
K5510-01MSD	10549.8154			TOC	
CCV.....	959.2931...	..	...	TOC	..
CCB	22.4218			TOC	

Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	Sample		2019/10/23 13:17	
Boat Sampler	Sample		2019/10/23 13:21	Low Sample Detected
Boat Sampler	Sample		2019/10/23 13:23	
Boat Sampler	...Sample	..	..2019/10/23 13:29	..
Boat Sampler	Sample		2019/10/23 13:33	
Boat Sampler	Sample		2019/10/23 13:36	
Boat Sampler	...Sample	..	..2019/10/23 13:45	..
Boat Sampler	Sample		2019/10/23 13:50	
Boat Sampler	Sample		2019/10/23 13:52	
Boat Sampler	...Sample	..	..2019/10/23 13:55	..
Boat Sampler	Sample		2019/10/23 14:09	Max Integration Time Reached
Boat Sampler	Sample		2019/10/23 14:14	
Boat Sampler	...Sample	..	..2019/10/23 14:21	..Max Integration Time Reached
Boat Sampler	Sample		2019/10/23 14:30	Max Integration Time Reached
Boat Sampler	Sample		2019/10/23 14:53	Max Integration Time Reached
Boat Sampler	...Sample	..	..2019/10/23 15:00	..Max Integration Time Reached
Boat Sampler	Sample		2019/10/23 15:08	
Boat Sampler	Sample		2019/10/23 15:12	
Boat Sampler	...Sample	..	..2019/10/23 15:17	..
Boat Sampler	Sample		2019/10/23 15:20	



Operator ID: AP AK

Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	59.7070	2.3883	267682	-0.031	0.965	47

Sample ID: K5111-06  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231348  
 Timestamp: 2019/10/23 13:50  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	44.6467	1.7859	200162	-0.307	0.682	45

Sample ID: K5111-06  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231351  
 Timestamp: 2019/10/23 13:52  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	42.9133	1.7165	192391	-0.447	0.550	44

Sample ID: K5111-06  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231353  
 Timestamp: 2019/10/23 13:55  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	48.5528	1.9421	217675	-0.398	0.594	44

Sample ID: K5510-01  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231403  
 Timestamp: 2019/10/23 14:09  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12448.9268	110.7954	12418100	1.877	8.767	239

Last Message: Max Integration Time Reached

Sample ID: K5510-01  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231410  
 Timestamp: 2019/10/23 14:14  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10339.6992	90.9894	10198207	2.436	3.431	136

Sample ID: K5510-01DUP  
 Method: Boat Sampler  
 Cal. Curve: TOC SOIL  
 Operator ID: AP AK

Mode: TOC  
 Filename: 10231415  
 Timestamp: 2019/10/23 14:21  
 Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11517.2402	96.7448	10843287	3.006	6.067	240

Last Message: Max Integration Time Reached

Sample ID: K5510-01DUP Mode: TOC  
Method: Boat Sampler Filename: 10231422  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 14:30  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10602.3086	67.8548	7605253	2.286	3.422	240

Last Message: Max Integration Time Reached

Sample ID: K5510-01MS Mode: TOC  
Method: Boat Sampler Filename: 10231447  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 14:53  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11591.0635	106.6378	11952104	2.068	6.898	240

Last Message: Max Integration Time Reached

Sample ID: K5510-01MS Mode: TOC  
Method: Boat Sampler Filename: 10231454  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 15:00  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12370.1006	106.3829	11923532	2.832	4.997	240

Last Message: Max Integration Time Reached

Sample ID: K5510-01MSD Mode: TOC  
Method: Boat Sampler Filename: 10231502  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 15:08  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11971.6758	99.3649	11136950	2.770	3.770	206

Sample ID: K5510-01MSD Mode: TOC  
Method: Boat Sampler Filename: 10231508  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 15:12  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10549.8154	86.5085	9695985	2.104	3.099	129

Sample ID: CCV Mode: TOC  
Method: Boat Sampler Filename: 10231513  
Cal. Curve: TOC SOIL Timestamp: 2019/10/23 15:17  
Operator ID: AP AK Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	959.2931	38.3717	4300753	2.849	3.833	77

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

Mode: TOC  
Filename: 10231518  
Timestamp: 2019/10/23 15:20  
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	22.4218	0.8969	100523	-0.020	0.979	44

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**CHEMTECH**

**SOP ID: MLLOYD KAHN-TOC**

Analyst:

AK

**QA Control Code: A2040083**

Balance ID :

WC SC-5

Sample ID	Weight (mg)	Results (PPM)	Age-Results (d)	RSD	STDEV
LB105883BLS	40	15	491	0.58	
LB105883BLS	40	11			
LB105883BSS	40	1012	510	12.06	
LB105883BSS	40	925			
K5111-06	40	59	48	15.73	7.59
K5111-06	40	44			which is less than 3X2874.86
K5111-06	40	42			
K5111-06	40	48			
K5510-01	8.7	12448	11227	8.53	
K5510-01	8.9	10339			* 2874.86 is
K5510-01DUP	8.8	11517	11060	5.85	STDEV
K5510-01DUP	8.4	10602			for 15 replicates
K5510-01MS	6.4	11591	11981	4.60	I5026-02
K5510-01MS	9.2	12370			SAMPLE
K5510-01MSD	8.3	11971	11260	8.93	run on
K5510-01MSD	8.2	10549			9/8/2017

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
BLANK	47754			TOC	
250mg/l	1471340			TOC	
500mg/l	2745022			TOC	
1000mg/l.....	4928980...	..	...	TOC	..
2000mg/l	9146902			TOC	
ICV	1069.0947			TOC	
ICB.....	12.5998...	..	...	TOC	..



Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	TOC Standard		2019/10/04 11:54	Low Sample Detected
Boat Sampler	TOC Standard		2019/10/04 12:01	
Boat Sampler	TOC Standard		2019/10/04 12:05	
Boat Sampler	...TOC Standard	..	..2019/10/04 12:12	..
Boat Sampler	TOC Standard		2019/10/04 12:31	
Boat Sampler	Sample		2019/10/04 12:39	
Boat Sampler	...Sample	..	..2019/10/04 12:45	..Low Sample Detected



Operator ID: AP AK

Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.5998	0.5040	56488	-0.278	-0.211	120

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Last Message: Low Sample Detected  
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Cal. Curve ID:            TOC SOIL  
 Created:                2019/10/04 12:34  
 Calibration Factor (m): 1.121e+05  
 Y Intercept (b):        305560  
 r-squared:              0.99716

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
BLANK	47754	0.000	-2.300	Low Sample De	2019/10/04 11:54
250mg/l	1471340	10.000	10.401		2019/10/04 12:01
500mg/l	2745022	20.000	21.765		2019/10/04 12:05
1000mg/l	4928980	40.000	41.251		2019/10/04 12:12
2000mg/l	9146902	80.000	78.883		2019/10/04 12:31