

Daily Analysis Runlog For Sequence/QC Batch ID # LB89421

Review By		Review On				
SubDirectory		LB89421		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP57223,WP57224,WP57225,WP57226,WP57227				
ICV Standard		WP57229				
CCV Standard		WP57228				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57229				
Chk Standard		WP56303				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	BLANK	BLANK	CAL1	08/14/17 11:43		OK
2	250mg/l	250mg/l	CAL2	08/14/17 11:46		OK
3	500mg/l	500mg/l	CAL3	08/14/17 11:50		OK
4	1000mg/l	1000mg/l	CAL4	08/14/17 11:55		OK
5	2000mg/l	2000mg/l	CAL5	08/14/17 12:01		OK
6	ICV1	ICV1	ICV	08/14/17 12:05		OK
7	ICB1	ICB1	ICB	08/14/17 12:09		OK
8	CCV1	CCV1	CCV	08/14/17 12:12		OK
9	CCB1	CCB1	CCB	08/14/17 12:16		OK
10	LB89295BLS	LB89295BLS	MB	08/14/17 12:23		OK
11	LB89295BSS	LB89295BSS	LCS	08/14/17 12:31		OK
12	I4649-02	B-13(0-10)COMP	SAM	08/14/17 13:01		OK
13	I4649-02DUP	B-13(0-10)COMPDU	DUP	08/14/17 13:14		OK
14	I4649-02MS	B-13(0-10)COMPMS	MS	08/14/17 13:30		OK
15	I4649-04	B-14(0-10)COMP	SAM	08/14/17 14:13		OK
16	I4750-02	B-15(0-10)COMP	SAM	08/14/17 14:25		OK
17	CCV2	CCV2	CCV	08/14/17 14:46		OK
18	CCB2	CCB2	CCB	08/14/17 14:52		OK



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89421	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	B-13(0-10)COMP	SDG No.:	LB89421
Lab Sample ID:	I4649-02	Matrix:	Solid
Level (low/med):	low	% Solid:	82.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	42000	OR	1	11.8		250	mg/Kg		08/14/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89421	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	B-14(0-10)COMP	SDG No.:	LB89421
Lab Sample ID:	I4649-04	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	12600	OR	1	11.8		250	mg/Kg		08/14/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	8/11/2017 12:00:00 AM
Project:	LB89421	Date Received:	8/11/2017 12:00:00 AM
Client Sample ID:	B-15(0-10)COMP	SDG No.:	LB89421
Lab Sample ID:	I4750-02	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	6240		1	11.8		250	mg/Kg		08/14/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	8/11/2017 12:00:00 AM
Project:	LB89421	Date Received:	8/11/2017 12:00:00 AM
Client Sample ID:	B-15(0-10)COMP	SDG No.:	LB89421
Lab Sample ID:	I4750-02	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89421

SDG No.: LB89421

Contract: _____

Lab Code: CHEM

Case No.: LB89421

SAS No.: LB89421

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	TOC	967	1000	96.7	0	90 - 110		08/14/2017	12:05	LB89421



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89421

SDG No.: LB89421

Contract: _____ Lab Code: CHEM

Case No.: LB89421

SAS No.: LB89421

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	TOC	928	1000	92.8	0	90 - 110		08/14/2017	12:12	LB89421
CCV2	TOC	917	1000	91.7	0	90 - 110		08/14/2017	14:46	LB89421



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89421 **SDG No.:** LB89421
Contract: **Lab Code:** CHEM **Case No.:** LB89421 **SAS No.:** LB89421

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	14.9	+/-250	J		250		08/14/2017	12:09	LB89421



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89421

SDG No.: LB89421

Contract:

Lab Code: CHEM

Case No.: LB89421

SAS No.: LB89421

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	7.9	+/-250	U		250		08/14/2017	12:16	LB89421
CCB2	TOC	21.9	+/-250	J		250		08/14/2017	14:52	LB89421



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89421

SDG No.: LB89421

Contract: Lab Code: CHEM

Case No.: LB89421

SAS No.: LB89421

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB89421

SDG No.: LB89421

Instrument: Appolo-9000

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
LB89295BLS	TOC	SOLID 3.6	<250	Batch Number: U		250		Prep Date: 08/14/2017	12:23	LB89421



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89421 level: low sdg no.: LB89421
contract: lab code: CHEM case no.: LB89421 sas no.: LB89421
matrix: Solid sample id: I4649-02 client id: B-13(0-10)COMPMS
Percent Solids for Sample: 82.7 Spiked ID: I4649-02MS Percent Solids for Spike Sample: 82.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	45300	OR	42000	OR	1000	330	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89421 **Level:** LOW **SDG No.:** LB89421
Contract: **Lab Code:** CHEM **Case No.:** LB89421 **SAS No.:** LB89421
Matrix: Solid **Sample ID:** I4649-02 **Client ID:** B-13(0-10)COMPDUP
Percent Solids for Sample: 82.7 **Duplicate ID** I4649-02DUP **Percent Solids for Spike Sample:** 82.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	42000	OR	46400	OR	10		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89421

SDG No.: LB89421

Contract:

Lab Code: CHEM

Case No.: LB89421

SAS No.: LB89421

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB89295BSS TOC	mg/Kg	1000	969		96.9	90 - 110	

TOC Raw Data

Sequence ID : LB89421

Method ID : Lloyd Kahn

LabSampleID	Response	Result(ppm)	%RSD	Anal DateTime	Sample Vol/Wt
BLANK	60826	BLANK		8/14/2017 11:43:00 AM	0.040
250mg/l	1162112	250mg/l		8/14/2017 11:46:00 AM	0.040
500mg/l	2317410	500mg/l		8/14/2017 11:50:00 AM	0.040
1000mg/l	4364747	1000mg/l		8/14/2017 11:55:00 AM	0.040
2000mg/l	8144892	2000mg/l		8/14/2017 12:01:00 PM	0.040
ICV1	3892659	966.758		8/14/2017 12:05:00 PM	0.040
ICB1	59893	14.8747		8/14/2017 12:09:00 PM	0.040
CCV1	3735176	927.646		8/14/2017 12:12:00 PM	0.040
CCB1	31733	7.881		8/14/2017 12:16:00 PM	0.040
LB89295BLS	16441	4.0831		8/14/2017 12:20:00 PM	0.040
LB89295BLS	12477	3.0987		8/14/2017 12:23:00 PM	0.040
		3.5909	19.3844		
LB89295BSS	3847958	955.656		8/14/2017 12:27:00 PM	0.040
LB89295BSS	3952185	981.541		8/14/2017 12:31:00 PM	0.040
		968.599	1.8897		
I4649-02	41374792	47793.5		8/14/2017 12:42:00 PM	0.009
I4649-02	37287144	42576.6		8/14/2017 12:48:00 PM	0.009
I4649-02	32162985	37589.7		8/14/2017 12:54:00 PM	0.009
I4649-02	32708065	40114.5		8/14/2017 1:01:00 PM	0.008
		42018.6	10.3648		
I4649-02DUP	34866743	46807		8/14/2017 1:08:00 PM	0.007
I4649-02DUP	36651063	46088.3		8/14/2017 1:14:00 PM	0.008
		46447.7	1.0941		
I4649-02MS	34807398	46727.3		8/14/2017 1:21:00 PM	0.007
I4649-02MS	33143490	43900.4		8/14/2017 1:30:00 PM	0.007
		45313.9	4.4114		
I4649-04	13457566	13782.4		8/14/2017 2:06:00 PM	0.010
I4649-04	9473659	11477.2		8/14/2017 2:13:00 PM	0.008
		12629.8	12.9065		
I4750-02	6360162	6721.58		8/14/2017 2:20:00 PM	0.009
I4750-02	4225883	5750.77		8/14/2017 2:25:00 PM	0.007
		6236.18	11.0079		
CCV2	3693850	917.383		8/14/2017 2:46:00 PM	0.040
CCB2	88323	21.9355		8/14/2017 2:52:00 PM	0.040