CHEMTECH

Instrument ID : TOC

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB92369

Review By Review On

SubDirectory LB92369 Test : TOC

STD. NAME	STD REF.#
ICAL Standard	WP60583,WP60584,WP60585,WP60586,WP60587,WP60588,WP60589,WP60590,WP60591
ICV Standard	WP60592
CCV Standard	WP60590
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP60592
Chk Standard	WP57902

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	BLANK	BLANK	CAL1	12/26/17 10:03		OK
2	250mg/l	250mg/l	CAL2	12/26/17 10:06		OK
3	500mg/l	500mg/l	CAL3	12/26/17 10:09		OK
4	1000mg/l	1000mg/l	CAL4	12/26/17 10:14		OK
5	2000mg/l	2000mg/l	CAL5	12/26/17 10:19		OK
6	ICV1	ICV1	ICV	12/26/17 10:34		OK
7	ICB1	ICB1	ICB	12/26/17 10:38		OK
8	CCV1	CCV1	CCV	12/26/17 10:42		OK
9	CCB1	CCB1	CCB	12/26/17 10:47		OK
10	LB92369BLS	LB92369BLS	MB	12/26/17 10:55		OK
11	LB92369BSS	LB92369BSS	LCS	12/26/17 11:01		OK
12	I7056-01	B-9(0-10)COMP	SAM	12/26/17 11:35		OK
13	I7056-01DUP	B-9(0-10)COMPDUP	DUP	12/26/17 12:04		OK
14	I7056-01MS	B-9(0-10)COMPMS	MS	12/26/17 12:28		OK
15	I6973-02	B11(0-10)-COMP	SAM	12/26/17 12:50		OK
16	CCV2	CCV2	CCV	12/26/17 12:58		OK
17	CCB2	CCB2	CCB	12/26/17 13:01		OK

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Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92369	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	B11(0-10)-COMP	SDG No.:	LB92369
Lab Sample ID:	I6973-02	Matrix:	Solid
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	25700	OR	1	11.8		250	mg/Kg		12/26/2017	Lloyd Kahn

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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92369	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	B-9(0-10)COMP	SDG No.:	LB92369
Lab Sample ID:	I7056-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	15800	OR	1	11.8		250	mg/Kg		12/26/2017	Lloyd Kahn

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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92369	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	B-9(0-10)COMP	SDG No.:	LB92369
Lab Sample ID:	I7056-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.9

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

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

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	948	1000	94.8	0	90 - 110		12/26/2017	10:34	lb92369

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

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	904	1000	90.4	0	90 - 110		12/26/2017	10:42	lb92369
CCV2	TOC	933	1000	93.3	0	90 - 110		12/26/2017	12:58	lb92369

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	11.3	+/-250	U		250		12/26/2017	10:38	lb92369

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	11.3	+/-250	U		250		12/26/2017	10:47	lb92369
CCB2	TOC	44.2	+/-250	J		250		12/26/2017	13:01	lb92369

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number

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PREPARATION BLANK SUMMARY

Client: LB92369 **SDG No.:** LB92369

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
LB92369BLS		**SOLID**		**Batch Number:**				**Prep Date:**		
	TOC	11.2	<250	U		250		12/26/2017	10:55	lb92369

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MATRIX SPIKE SUMMARY

client: LB92369 **level:** low **sdg no.:** LB92369

contract: **lab code:** CHEM **case no.:** LB92369 **sas no.:** LB92369

matrix: Solid **sample id:** I7056-01 **client id:** B-9(0-10)COMPMS

Percent Solids for Sample: 88.9 **Spiked ID:** I7056-01MS **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	19400	OR	15800	OR	1000	360	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB92369 **Level:** LOW **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

Matrix: Solid **Sample ID:** I7056-01 **Client ID:** B-9(0-10)COMPDUP

Percent Solids for Sample: 88.9 **Duplicate ID** I7056-01DUP **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	15800	OR	16900	OR	7		

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92369 **SDG No.:** LB92369

Contract: **Lab Code:** CHEM **Case No.:** LB92369 **SAS No.:** LB92369

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92369BSS							
TOC	mg/Kg	1000	962		96.2	90 - 110	