

Daily Analysis Runlog For Sequence/QC Batch ID # LB90549

Review By		Review On				
SubDirectory		LB90549		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP58307,WP58308,WP58309,WP58310				
ICV Standard		WP58314				
CCV Standard		WP58313				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58314				
Chk Standard		WP57902				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	BLANK	BLANK	CAL1	09/27/17 10:51		OK
2	250mg/l	250mg/l	CAL2	09/27/17 10:54		OK
3	500mg/l	500mg/l	CAL3	09/27/17 10:58		OK
4	1000mg/l	1000mg/l	CAL4	09/27/17 11:02		OK
5	2000mg/l	2000mg/l	CAL5	09/27/17 11:07		OK
6	ICV1	ICV1	ICV	09/27/17 11:15		OK
7	ICB1	ICB1	ICB	09/27/17 11:20		OK
8	CCV1	CCV1	CCV	10/04/17 10:20		OK
9	CCB1	CCB1	CCB	10/04/17 10:23		OK
10	LB90549BLS	LB90549BLS	MB	10/04/17 10:27		OK
11	LB90549BSS	LB90549BSS	LCS	10/04/17 10:35		OK
12	I5488-01	PAMT-COMP-C	SAM	10/04/17 11:01		OK
13	I5488-01DUP	PAMT-COMP-CDUP	DUP	10/04/17 11:16		OK
14	I5488-02	PAMT-COMP-CMS	MS	10/04/17 11:53		OK
15	I5488-03	PAMT-COMP-CMSD	MSD	10/04/17 12:16		OK
16	I5488-04	PAMT-COMP-D	SAM	10/04/17 12:30		OK
17	I5637-01	B-18(0-10)COMP	SAM	10/04/17 13:15		OK
18	CCV2	CCV2	CCV	10/04/17 13:24		OK
19	CCB2	CCB2	CCB	10/04/17 13:27		OK



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90549	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-C	SDG No.:	LB90549
Lab Sample ID:	I5488-01	Matrix:	Solid
Level (low/med):	low	% Solid:	55.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	14900	OR	1	11.8		250	mg/Kg		10/04/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90549	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-D	SDG No.:	LB90549
Lab Sample ID:	I5488-04	Matrix:	Solid
Level (low/med):	low	% Solid:	53.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	21900	OR	1	11.8		250	mg/Kg		10/04/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90549	Date Received:	10/3/2017 12:00:00 AM
Client Sample ID:	B-18(0-10)COMP	SDG No.:	LB90549
Lab Sample ID:	I5637-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	14500	OR	1	11.8		250	mg/Kg		10/04/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90549	Date Received:	10/3/2017 12:00:00 AM
Client Sample ID:	B-18(0-10)COMP	SDG No.:	LB90549
Lab Sample ID:	I5637-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.1

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: LB90549

SDG No.: LB90549

Contract: _____

Lab Code: CHEM

Case No.: LB90549

SAS No.: LB90549

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	1010	1000	101	0	90 - 110		09/27/2017	11:15	LB90549



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90549

SDG No.: LB90549

Contract: _____

Lab Code: CHEM

Case No.: LB90549

SAS No.: LB90549

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	999	1000	99.9	0	90 - 110		10/04/2017	10:20	LB90549
CCV2	TOC	990	1000	99	0	90 - 110		10/04/2017	13:24	LB90549



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90549

SDG No.: LB90549

Contract:

Lab Code: CHEM

Case No.: LB90549

SAS No.: LB90549

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	19.6	+/-250	J		250		09/27/2017	11:20	LB90549

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	58.6	+/-250	J		250		10/04/2017	10:23	LB90549
CCB2	TOC	32.3	+/-250	J		250		10/04/2017	13:27	LB90549



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90549

SDG No.: LB90549

Contract: Lab Code: CHEM

Case No.: LB90549

SAS No.: LB90549

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: LB90549

SDG No.: LB90549

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
LB90549BLS	TOC	SOLID 27.6	<250	Batch Number: J		250		Prep Date: 10/04/2017	10:27	LB90549



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- 5a -
MATRIX SPIKE SUMMARY

client: LB90549 level: low sdg no.: LB90549
contract: lab code: CHEM case no.: LB90549 sas no.: LB90549
matrix: Solid sample id: I5488-01 client id: PAMT-COMP-CMS
Percent Solids for Sample: 55.6 Spiked ID: I5488-02 Percent Solids for Spike Sample: 55.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	15800	OR	14900	OR	1000	90		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90549 level: low sdg no.: LB90549
contract: lab code: CHEM case no.: LB90549 sas no.: LB90549
matrix: Solid sample id: I5488-01 client id: PAMT-COMP-CMSD
Percent Solids for Sample: 55.6 Spiked ID: I5488-03 Percent Solids for Spike Sample: 55.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	16100	OR	14900	OR	1000	120		

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DUPLICATE SAMPLE SUMMARY

Client: LB90549 **Level:** LOW **SDG No.:** LB90549
Contract: **Lab Code:** CHEM **Case No.:** LB90549 **SAS No.:** LB90549
Matrix: Solid **Sample ID:** I5488-01 **Client ID:** PAMT-COMP-CDUP
Percent Solids for Sample: 55.6 **Duplicate ID** I5488-01DUP **Percent Solids for Spike Sample:** 55.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	14900	OR	16800	OR	12		

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DUPLICATE SAMPLE SUMMARY

Client: LB90549 **Level:** LOW **SDG No.:** LB90549
Contract: _____ **Lab Code:** CHEM **Case No.:** LB90549 **SAS No.:** LB90549
Matrix: Solid **Sample ID:** I5488-02 **Client ID:** PAMT-COMP-CMSD
Percent Solids for Sample: 55.6 **Duplicate ID** I5488-03 **Percent Solids for Spike Sample:** 55.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	15800	OR	16100	OR	2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90549

SDG No.: LB90549

Contract:

Lab Code: CHEM

Case No.: LB90549

SAS No.: LB90549

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB90549BSS TOC	mg/Kg	1000	952		95.2	90 - 110	