

Daily Analysis Runlog For Sequence/QC Batch ID # LB90521

Review By		Review On				
SubDirectory		LB90521		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP58465,WP58466,WP58467,WP58468,WP58469,WP58470,WP58471,WP58473				
ICV Standard		WP58472				
CCV Standard		WP58474				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58472				
Chk Standard		WP57902				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPM	0.0PPM	CAL1	10/03/17 11:46		OK
2	0.5PPM	0.5PPM	CAL2	10/03/17 11:59		OK
3	1.0PPM	1.0PPM	CAL3	10/03/17 12:12		OK
4	2.0PPM	2.0PPM	CAL4	10/03/17 12:25		OK
5	5.0PPM	5.0PPM	CAL5	10/03/17 12:38		OK
6	10.0PPM	10.0PPM	CAL6	10/03/17 12:51		OK
7	20.0PPM	20.0PPM	CAL7	10/03/17 13:05		OK
8	ICV1	ICV1	ICV	10/03/17 13:50		OK
9	ICB1	ICB1	ICB	10/03/17 14:16		OK
10	CCV1	CCV1	CCV	10/06/17 09:10		OK
11	CCB1	CCB1	CCB	10/06/17 09:22		OK
12	LB90521BLW	LB90521BLW	MB	10/06/17 09:45		OK
13	LB90521BSW	LB90521BSW	LCS	10/06/17 10:10		OK
14	I5571-01	PAMT-COMP-C	SAM	10/06/17 10:34		OK
15	I5571-04	PAMT-COMP-D	SAM	10/06/17 11:00		OK
16	I5571-05	PAMT-COMP-C-D	SAM	10/06/17 11:25		OK
17	I5571-08	PAMT-COMP-D	SAM	10/06/17 11:49		OK
18	I5571-02MS	PAMT-COMP-CMS	MS	10/06/17 12:15		OK
19	I5571-03MSD	PAMT-COMP-CMSD	MSD	10/06/17 12:41		OK
20	I5571-06MS	PAMT-COMP-C-DMS	MS	10/06/17 13:06		OK
21	I5571-07MSD	PAMT-COMP-C-DMS	MSD	10/06/17 13:31		OK



Instrument ID : TOC

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

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SubDirectory		LB90521		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP58465,WP58466,WP58467,WP58468,WP58469,WP58470,WP58471,WP58473				
ICV Standard						
CCV Standard						
ICSA Standard						
CRI Standard						
LCS Standard						
Chk Standard						
22	CCV2	CCV2	CCV	10/06/17 13:45		OK
23	CCB2	CCB2	CCB	10/06/17 13:57		OK



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90521	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-C	SDG No.:	LB90521
Lab Sample ID:	I5571-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
10-35-5	TOC	10.4		1	0.097		0.5	mg/L		10/06/2017	9060



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90521	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-D	SDG No.:	LB90521
Lab Sample ID:	I5571-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
10-35-5	TOC	16.7		1	0.097		0.5	mg/L		10/06/2017	9060



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90521	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-C-D	SDG No.:	LB90521
Lab Sample ID:	I5571-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
10-35-5	TOC	7.3		1	0.097		0.5	mg/L		10/06/2017	9060



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90521	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-D	SDG No.:	LB90521
Lab Sample ID:	I5571-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
10-35-5	TOC	9.7		1	0.097		0.5	mg/L		10/06/2017	9060



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90521	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	PAMT-COMP-D	SDG No.:	LB90521
Lab Sample ID:	I5571-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	TOC	10.9	10	109	0	90 - 110		10/03/2017	13:50	LB90521



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90521

SDG No.: LB90521

Contract: _____ Lab Code: CHEM

Case No.: LB90521

SAS No.: LB90521

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	9.7	10	97	0	90 - 110		10/06/2017	09:10	LB90521
CCV2	TOC	10	10	100	0	90 - 110		10/06/2017	13:45	LB90521



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90521 **SDG No.:** LB90521
Contract: **Lab Code:** CHEM **Case No.:** LB90521 **SAS No.:** LB90521

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	0.21	+/-0.5	J		0.5		10/03/2017	14:16	LB90521



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90521

SDG No.: LB90521

Contract:

Lab Code: CHEM

Case No.: LB90521

SAS No.: LB90521

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	0.24	+/-0.5	J			0.5	10/06/2017	09:22	LB90521
CCB2	TOC	0.3	+/-0.5	J			0.5	10/06/2017	13:57	LB90521



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90521

SDG No.: LB90521

Contract: Lab Code: CHEM

Case No.: LB90521

SAS No.: LB90521

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

Client: LB90521 **SDG No.:** LB90521

Instrument: Appolo-9000

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB90521BLW	TOC	WATER 0.2	<0.5	Batch Number: J		0.5		Prep Date: 10/06/2017	09:45	LB90521



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90521 level: low sdg no.: LB90521
contract: lab code: CHEM case no.: LB90521 sas no.: LB90521
matrix: WATER sample id: I5571-01 client id: PAMT-COMP-CMS
Percent Solids for Sample: 0 Spiked ID: I5571-02MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	18.7		10.4		10	83		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90521 level: low sdg no.: LB90521
contract: lab code: CHEM case no.: LB90521 sas no.: LB90521
matrix: WATER sample id: I5571-01 client id: PAMT-COMP-CMSD
Percent Solids for Sample: 0 Spiked ID: I5571-03MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	18.9		10.4		10	85		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90521 level: low sdg no.: LB90521
contract: lab code: CHEM case no.: LB90521 sas no.: LB90521
matrix: WATER sample id: I5571-05 client id: PAMT-COMP-C-DMS
Percent Solids for Sample: 0 Spiked ID: I5571-06MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	15.4		7.3		10	81		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90521 level: low sdg no.: LB90521
contract: lab code: CHEM case no.: LB90521 sas no.: LB90521
matrix: WATER sample id: I5571-05 client id: PAMT-COMP-C-DMSD
Percent Solids for Sample: 0 Spiked ID: I5571-07MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	15.3		7.3		10	80		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90521 Level: LOW SDG No.: LB90521
Contract: _____ Lab Code: CHEM Case No.: LB90521 SAS No.: LB90521
Matrix: WATER Sample ID: I5571-02MS Client ID: PAMT-COMP-CMSD
Percent Solids for Sample: 0 Duplicate ID I5571-03MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	18.7		18.9		1		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90521 Level: LOW SDG No.: LB90521
Contract: _____ Lab Code: CHEM Case No.: LB90521 SAS No.: LB90521
Matrix: WATER Sample ID: I5571-06MS Client ID: PAMT-COMP-C-DMSD
Percent Solids for Sample: 0 Duplicate ID I5571-07MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	15.4		15.3		1		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90521

SDG No.: LB90521

Contract:

Lab Code: CHEM

Case No.: LB90521

SAS No.: LB90521

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB90521BSW TOC	mg/L	10	10.3		103	90 - 110	