



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87529

SDG No.: LB87529

Contract: _____ Lab Code: CHEM

Case No.: LB87529

SAS No.: LB87529

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	10.8	10	108	0	90 - 110		05/18/2017	10:42	LB87529
CCV2	TOC	9.9	10	99	0	90 - 110		05/18/2017	13:04	LB87529



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87529

SDG No.: LB87529

Contract:

Lab Code: CHEM

Case No.: LB87529

SAS No.: LB87529

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	0.18	+/-0.5	J		0.5		04/20/2017	22:01	LB87529

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	0.11	+/-0.5	J		0.5		05/18/2017	10:55	LB87529
CCB2	TOC	0.11	+/-0.5	J		0.5		05/18/2017	13:17	LB87529



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87529

SDG No.: LB87529

Contract: Lab Code: CHEM

Case No.: LB87529

SAS No.: LB87529

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



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	5/17/2017 12:00:00 AM
Project:	LB87529	Date Received:	5/17/2017 12:00:00 AM
Client Sample ID:	EFFLUENT-OUT-2	SDG No.:	LB87529
Lab Sample ID:	I3212-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	3		1	0.08		0.5	mg/L		05/18/2017	SM5310B



Report of Analysis

Client:		Date Collected:	5/17/2017 12:00:00 AM
Project:	LB87529	Date Received:	5/17/2017 12:00:00 AM
Client Sample ID:	EFFLUENT-OUT-2	SDG No.:	LB87529
Lab Sample ID:	I3212-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB87529

SDG No.: LB87529

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
LB87529BLW	TOC	WATER -0.044	<0.5	Batch Number: U		0.5		Prep Date: 05/18/2017	11:11	LB87529



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB87529 level: low sdg no.: LB87529
contract: lab code: CHEM case no.: LB87529 sas no.: LB87529
matrix: WATER sample id: I3212-02 client id: EFFLUENT-OUT-2MS
Percent Solids for Sample: 0 Spiked ID: I3212-02MS 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	11.6	3			10	86		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87529 level: low sdg no.: LB87529
contract: lab code: CHEM case no.: LB87529 sas no.: LB87529
matrix: WATER sample id: I3212-02 client id: EFFLUENT-OUT-2MSD
Percent Solids for Sample: 0 Spiked ID: I3212-02MSD 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	11.7	3			10	87		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87529 **Level:** LOW **SDG No.:** LB87529
Contract: **Lab Code:** CHEM **Case No.:** LB87529 **SAS No.:** LB87529
Matrix: WATER **Sample ID:** I3212-02 **Client ID:** EFFLUENT-OUT-2DUP
Percent Solids for Sample: 0 **Duplicate ID** I3212-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	3		2.8		7		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87529 **Level:** LOW **SDG No.:** LB87529
Contract: **Lab Code:** CHEM **Case No.:** LB87529 **SAS No.:** LB87529
Matrix: WATER **Sample ID:** I3212-02MS **Client ID:** EFFLUENT-OUT-2MSD
Percent Solids for Sample: 0 **Duplicate ID** I3212-02MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	11.6		11.7		1		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87529

SDG No.: LB87529

Contract:

Lab Code: CHEM

Case No.: LB87529

SAS No.: LB87529

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB87529BSW TOC	mg/L	10	9.1		91	90 - 110	