

Daily Analysis Runlog For Sequence/QC Batch ID # LB88696

Review By		Review On				
SubDirectory		LB88696		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56396,WP56397,WP56398,WP56399,WP56400,WP56401,WP56402,WP56403				
ICV Standard		W1541				
CCV Standard		WP56405				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP56404,WP55836,WP55355				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/13/17 11:40		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/13/17 11:40		OK
3	10PPBCN	10PPBCN	CAL3	07/13/17 11:40		OK
4	50PPBCN	50PPBCN	CAL4	07/13/17 11:40		OK
5	100PPBCN	100PPBCN	CAL5	07/13/17 11:40		OK
6	250PPBCN	250PPBCN	CAL6	07/13/17 11:40		OK
7	500PPBCN	500PPBCN	CAL7	07/13/17 11:40		OK
8	ICV1	ICV1	ICV	07/13/17 15:04		OK
9	ICB1	ICB1	ICB	07/13/17 15:04		OK
10	CCV1	CCV1	CCV	07/13/17 15:04		OK
11	CCB1	CCB1	CCB	07/13/17 15:04		OK
12	PB100583BL	PB100583BL	MB	07/13/17 15:04		OK
13	PB100583BS	PB100583BS	LCS	07/13/17 15:04		OK
14	MIDPB100583	MIDPB100583	SAM	07/13/17 15:04		OK
15	I4141-01	EFF-WW	SAM	07/13/17 15:04		OK
16	I4141-01DUP	EFF-WWDUP	DUP	07/13/17 15:04		OK
17	I4141-01MS	EFF-WWMS	MS	07/13/17 15:04		OK
18	I4141-01MSD	EFF-WWMSD	MSD	07/13/17 15:04		OK
19	CCV2	CCV2	CCV	07/13/17 15:08		OK
20	CCB2	CCB2	CCB	07/13/17 15:08		OK



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

Report of Analysis

Client:		Date Collected:	7/11/2017 12:00:00 AM
Project:	LB88696	Date Received:	7/11/2017 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	LB88696
Lab Sample ID:	I4141-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0008	U	1	0.001		0.005	mg/L	07/12/2017	07/13/2017	SM4500-CN C, ¹



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

Report of Analysis

Client:		Date Collected:	
Project:	LB88696	Date Received:	
Client Sample ID:	MIDPB100583	SDG No.:	LB88696
Lab Sample ID:	MIDPB100583	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.24		1	0.001		0.005	mg/L		07/13/2017	SM4500-CN C, I



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

Report of Analysis

Client:		Date Collected:	
Project:	LB88696	Date Received:	
Client Sample ID:	MIDPB100583	SDG No.:	LB88696
Lab Sample ID:	MIDPB100583	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88696

SDG No.: LB88696

Contract: _____ Lab Code: CHEM

Case No.: LB88696

SAS No.: LB88696

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	Cyanide	0.23	0.25	92	0	90 - 110		07/13/2017	15:04	LB88696
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		07/13/2017	15:08	LB88696



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88696

SDG No.: LB88696

Contract:

Lab Code: CHEM

Case No.: LB88696

SAS No.: LB88696

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0014	+/-0.005	J		0.005		07/13/2017	15:04	LB88696



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88696

SDG No.: LB88696

Contract:

Lab Code: CHEM

Case No.: LB88696

SAS No.: LB88696

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0011	+/-0.005	J		0.005		07/13/2017	15:04	LB88696
CCB2	Cyanide	0.00094	+/-0.005	U		0.005		07/13/2017	15:08	LB88696



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88696

SDG No.:

LB88696

Contract:

Lab Code:

CHEM

Case No.:

LB88696

SAS No.:

LB88696

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



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB88696

SDG No.: LB88696

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB100583BL	Cyanide	WATER 0.00086	<0.005	Batch Number: U		PB100583 0.005		Prep Date: 07/13/2017	07/12/2017 15:04	LB88696



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88696 level: low sdg no.: LB88696
contract: lab code: CHEM case no.: LB88696 sas no.: LB88696
matrix: WATER sample id: I4141-01 client id: EFF-WWMS
Percent Solids for Sample: 0 Spiked ID: I4141-01MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.033		0.001	U	0.04	82.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88696 level: low sdg no.: LB88696
contract: lab code: CHEM case no.: LB88696 sas no.: LB88696
matrix: WATER sample id: I4141-01 client id: EFF-WWMSD
Percent Solids for Sample: 0 Spiked ID: I4141-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.033		0.001	U	0.04	82.5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88696 **Level:** LOW **SDG No.:** LB88696
Contract: **Lab Code:** CHEM **Case No.:** LB88696 **SAS No.:** LB88696
Matrix: WATER **Sample ID:** I4141-01 **Client ID:** EFF-WWDUP
Percent Solids for Sample: 0 **Duplicate ID** I4141-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.001	U	0.00099	U			



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88696 Level: LOW SDG No.: LB88696
Contract: _____ Lab Code: CHEM Case No.: LB88696 SAS No.: LB88696
Matrix: WATER Sample ID: I4141-01MS Client ID: EFF-WWMSD
Percent Solids for Sample: 0 Duplicate ID I4141-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.033		0.033		0		

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



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88696 SDG No.: LB88696
Contract: Lab Code: CHEM Case No.: LB88696 SAS No.: LB88696

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100583BS Cyanide	mg/L	0.1	0.094		94	85 - 115	