

Daily Analysis Runlog For Sequence/QC Batch ID # LB88021

Review By		Review On				
SubDirectory		LB88021		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP55559,WP55560,WP55561,WP55562,WP55563,WP55564,WP55565,WP55566
ICV Standard	W1541
CCV Standard	WP55568
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP54521
Chk Standard	WP55567,WP51626,WP55355

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/12/17 10:34		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/12/17 10:34		OK
3	10PPBCN	10PPBCN	CAL3	06/12/17 10:34		OK
4	50PPBCN	50PPBCN	CAL4	06/12/17 10:34		OK
5	100PPBCN	100PPBCN	CAL5	06/12/17 10:34		OK
6	250PPBCN	250PPBCN	CAL6	06/12/17 10:34		OK
7	500PPBCN	500PPBCN	CAL7	06/12/17 10:34		OK
8	ICV1	ICV1	ICV	06/12/17 12:28		OK
9	ICB1	ICB1	ICB	06/12/17 12:28		OK
10	CCV1	CCV1	CCV	06/12/17 12:28		OK
11	CCB1	CCB1	CCB	06/12/17 12:28		OK
12	PB99630BL	PB99630BL	MB	06/12/17 12:28		OK
13	MIDPB99630	MIDPB99630	SAM	06/12/17 12:28		OK
14	I3550-01	EFF-WW	SAM	06/12/17 12:28		OK
15	I3550-01DUP	EFF-WWDUP	DUP	06/12/17 12:28		OK
16	I3550-01MS	EFF-WWMS	MS	06/12/17 12:28		OK
17	I3550-01MSD	EFF-WWMSD	MSD	06/12/17 12:28		OK
18	PB99630BS	PB99630BS	LCS	06/12/17 12:48		OK
19	CCV2	CCV2	CCV	06/12/17 12:48		OK
20	CCB2	CCB2	CCB	06/12/17 12:48		OK



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

Report of Analysis

Client:		Date Collected:	6/8/2017 12:00:00 AM
Project:	LB88021	Date Received:	6/8/2017 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	LB88021
Lab Sample ID:	I3550-01	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	-0.00056	U	1	0.001		0.005	mg/L	06/09/2017	06/12/2017	SM4500-CN C, I



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

Report of Analysis

Client:		Date Collected:	
Project:	LB88021	Date Received:	
Client Sample ID:	MIDPB99630	SDG No.:	LB88021
Lab Sample ID:	MIDPB99630	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		06/12/2017	SM4500-CN C, I



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

Report of Analysis

Client:		Date Collected:	
Project:	LB88021	Date Received:	
Client Sample ID:	MIDPB99630	SDG No.:	LB88021
Lab Sample ID:	MIDPB99630	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: LB88021

SDG No.: LB88021

Contract: _____ Lab Code: CHEM

Case No.: LB88021 SAS No.: LB88021

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	Cyanide	0.094	0.099	94.9	0	85 - 115		06/12/2017	12:28	LB88021



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88021

SDG No.: LB88021

Contract: **Lab Code:** CHEM

Case No.: LB88021

SAS No.: LB88021

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	Cyanide	0.24	0.25	96	0	90 - 110		06/12/2017	12:28	LB88021
CCV2	Cyanide	0.26	0.25	104	0	90 - 110		06/12/2017	12:48	LB88021



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88021

SDG No.: LB88021

Contract:

Lab Code: CHEM

Case No.: LB88021

SAS No.: LB88021

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00017	+/-0.005	U		0.005		06/12/2017	12:28	LB88021



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88021

SDG No.: LB88021

Contract:

Lab Code: CHEM

Case No.: LB88021

SAS No.: LB88021

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00038	+/-0.005	U		0.005		06/12/2017	12:28	LB88021
CCB2	Cyanide	-0.00015	+/-0.005	U		0.005		06/12/2017	12:48	LB88021



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>LB88021</u>	SDG No.:	<u>LB88021</u>				
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB88021</u>	SAS No.:	<u>LB88021</u>

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: LB88021

SDG No.: LB88021

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
PB99630BL	Cyanide	WATER -0.00026	<0.005	Batch Number: U		PB99630 0.005		Prep Date: 06/12/2017	06/09/2017 12:28	LB88021



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88021 level: low sdg no.: LB88021
contract: lab code: CHEM case no.: LB88021 sas no.: LB88021
matrix: WATER sample id: I3550-01 client id: EFF-WWMS
Percent Solids for Sample: 0 Spiked ID: I3550-01MS 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	0.035		0.001	U	0.04	87.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88021 level: low sdg no.: LB88021
contract: lab code: CHEM case no.: LB88021 sas no.: LB88021
matrix: WATER sample id: I3550-01 client id: EFF-WWMSD
Percent Solids for Sample: 0 Spiked ID: I3550-01MSD 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	0.035		0.001	U	0.04	87.5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88021 **Level:** LOW **SDG No.:** LB88021
Contract: **Lab Code:** CHEM **Case No.:** LB88021 **SAS No.:** LB88021
Matrix: WATER **Sample ID:** I3550-01 **Client ID:** EFF-WWDUP
Percent Solids for Sample: 0 **Duplicate ID** I3550-01DUP **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	-0.00073	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88021 **Level:** LOW **SDG No.:** LB88021
Contract: **Lab Code:** CHEM **Case No.:** LB88021 **SAS No.:** LB88021
Matrix: WATER **Sample ID:** I3550-01MS **Client ID:** EFF-WWMSD
Percent Solids for Sample: 0 **Duplicate ID** I3550-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.035		0.035		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88021

SDG No.: LB88021

Contract:

Lab Code: CHEM

Case No.: LB88021

SAS No.: LB88021

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99630BS Cyanide	mg/L	0.1	0.1		100	85 - 115	