

Daily Analysis Runlog For Sequence/QC Batch ID # LB93298

Review By		Review On				
SubDirectory		LB93298		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61948,WP61949,WP91950,WP61951,WP61952,WP61953,WP61954				
ICV Standard		W1542				
CCV Standard		WP61955				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61957,WP59958,WP60878				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/15/18 09:59		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/15/18 09:59		OK
3	10PPBCN	10PPBCN	CAL3	02/15/18 09:59		OK
4	50PPBCN	50PPBCN	CAL4	02/15/18 09:59		OK
5	100PPBCN	100PPBCN	CAL5	02/15/18 09:59		OK
6	250PPBCN	250PPBCN	CAL6	02/15/18 09:59		OK
7	500PPBCN	500PPBCN	CAL7	02/15/18 09:59		OK
8	ICV1	ICV1	ICV	02/15/18 10:21		OK
9	ICB1	ICB1	ICB	02/15/18 10:21		OK
10	CCV1	CCV1	CCV	02/15/18 10:21		OK
11	CCB1	CCB1	CCB	02/15/18 10:21		OK
12	PB106556BL	PB106556BL	MB	02/15/18 10:51		OK
13	PB106556BS	PB106556BS	LCS	02/15/18 10:51		OK
14	MIDPB106556	MIDPB106556	SAM	02/15/18 10:51		OK
15	J1535-02	EFF-DAY-1-COMP	SAM	02/15/18 10:51		OK
16	J1535-02DUP	EFF-DAY-1-COMPD	DUP	02/15/18 10:51		OK
17	J1535-02MS	EFF-DAY-1-COMPM	MS	02/15/18 10:51		OK
18	J1535-02MSD	EFF-DAY-1-COMPM	MSD	02/15/18 10:51		OK
19	J1538-01	EFF-GRAB	SAM	02/15/18 10:51		OK
20	CCV2	CCV2	CCV	02/15/18 10:51		OK
21	CCB2	CCB2	CCB	02/15/18 10:51		OK



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

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93298	Date Received:	2/13/2018 12:00:00 AM
Client Sample ID:	EFF-DAY-1-COMP	SDG No.:	LB93298
Lab Sample ID:	J1535-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0015	J	1	0.001		0.005	mg/L	02/14/2018	02/15/2018	SM4500-CN C, ¹



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

Report of Analysis

Client:		Date Collected:	2/13/2018 12:00:00 AM
Project:	LB93298	Date Received:	2/13/2018 12:00:00 AM
Client Sample ID:	EFF-GRAB	SDG No.:	LB93298
Lab Sample ID:	J1538-01	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	0.002	J	1	0.001		0.005	mg/L	02/14/2018	02/15/2018	SM4500-CN C, ¹



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

Report of Analysis

Client:		Date Collected:	
Project:	LB93298	Date Received:	
Client Sample ID:	MIDPB106556	SDG No.:	LB93298
Lab Sample ID:	MIDPB106556	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		02/15/2018	SM4500-CN C, I



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

Report of Analysis

Client:		Date Collected:	
Project:	LB93298	Date Received:	
Client Sample ID:	MIDPB106556	SDG No.:	LB93298
Lab Sample ID:	MIDPB106556	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: LB93298

SDG No.: LB93298

Contract: _____

Lab Code: CHEM

Case No.: LB93298

SAS No.: LB93298

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.1	0.099	101		85 - 115		02/15/2018	10:21	LB93298



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93298

SDG No.: LB93298

Contract: _____ Lab Code: CHEM

Case No.: LB93298

SAS No.: LB93298

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.26	0.25	104		90 - 110		02/15/2018	10:21	LB93298
CCV2	Cyanide	0.25	0.25	100		90 - 110		02/15/2018	10:51	LB93298



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93298

SDG No.: LB93298

Contract:

Lab Code: CHEM

Case No.: LB93298

SAS No.: LB93298

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00025	+/-0.005	U		0.005		02/15/2018	10:21	LB93298



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93298

SDG No.: LB93298

Contract:

Lab Code: CHEM

Case No.: LB93298

SAS No.: LB93298

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		02/15/2018	10:21	LB93298
CCB2	Cyanide	0.00042	+/-0.005	U		0.005		02/15/2018	10:51	LB93298



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB93298

SDG No.:

LB93298

Contract:

Lab Code:

CHEM

Case No.:

LB93298

SAS No.:

LB93298

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: LB93298

SDG No.: LB93298

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
PB106556BL	Cyanide	WATER 0.00035	<0.005	Batch Number: U		PB106556 0.005		Prep Date: 02/15/2018	02/14/2018 10:51	LB93298



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93298 level: low sdg no.: LB93298
contract: lab code: CHEM case no.: LB93298 sas no.: LB93298
matrix: WATER sample id: J1535-02 client id: EFF-DAY-1-COMPMS
Percent Solids for Sample: 0 Spiked ID: J1535-02MS 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	0.034		0.0015	J	0.04	81		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93298 level: low sdg no.: LB93298
contract: lab code: CHEM case no.: LB93298 sas no.: LB93298
matrix: WATER sample id: J1535-02 client id: EFF-DAY-1-COMPMSD
Percent Solids for Sample: 0 Spiked ID: J1535-02MSD 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	0.034		0.0015	J	0.04	81		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93298 **Level:** LOW **SDG No.:** LB93298
Contract: **Lab Code:** CHEM **Case No.:** LB93298 **SAS No.:** LB93298
Matrix: WATER **Sample ID:** J1535-02 **Client ID:** EFF-DAY-1-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** J1535-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0015	J	0.0016	J	6		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93298 Level: LOW SDG No.: LB93298
Contract: Lab Code: CHEM Case No.: LB93298 SAS No.: LB93298
Matrix: WATER Sample ID: J1535-02MS Client ID: EFF-DAY-1-COMPMSD
Percent Solids for Sample: 0 Duplicate ID J1535-02MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.034		0.034		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93298

SDG No.: LB93298

Contract:

Lab Code: CHEM

Case No.: LB93298

SAS No.: LB93298

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106556BS Cyanide	mg/L	0.1	0.099		99	85 - 115	