

Daily Analysis Runlog For Sequence/QC Batch ID # LB93069

Review By		Review On				
SubDirectory		LB93069		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61551,WP61552,WP61553,WP61554,WP61555,WP61556,WP61557				
ICV Standard		W1542				
CCV Standard		WP61558				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61560,WP59958,WP60878				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/02/18 11:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/02/18 11:18		OK
3	10PPBCN	10PPBCN	CAL3	02/02/18 11:18		OK
4	50PPBCN	50PPBCN	CAL4	02/02/18 11:18		OK
5	100PPBCN	100PPBCN	CAL5	02/02/18 11:18		OK
6	250PPBCN	250PPBCN	CAL6	02/02/18 11:18		OK
7	500PPBCN	500PPBCN	CAL7	02/02/18 11:18		OK
8	ICV1	ICV1	ICV	02/02/18 12:17		OK
9	ICB1	ICB1	ICB	02/02/18 12:17		OK
10	CCV1	CCV1	CCV	02/02/18 12:17		OK
11	CCB1	CCB1	CCB	02/02/18 12:17		OK
12	PB106267BL	PB106267BL	MB	02/02/18 12:17		OK
13	PB106267BS	PB106267BS	LCS	02/02/18 12:17		OK
14	LOWPB106267	LOWPB106267	SAM	02/02/18 12:17		OK
15	HIGHPB106267	HIGHPB106267	SAM	02/02/18 12:24		OK
16	J1395-01	NB-08-020118	SAM	02/02/18 12:24		OK
17	J1395-01DUP	NB-08-020118DUP	DUP	02/02/18 12:24		OK
18	J1395-01MS	NB-08-020118MS	MS	02/02/18 12:24		OK
19	J1395-01MSD	NB-08-020118MSD	MSD	02/02/18 12:24		OK
20	J1431-01	132-1-PH-3	SAM	02/02/18 12:24		OK
21	J1431-04	132-1-PH-2	SAM	02/02/18 12:24		OK

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

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ICV Standard		W1542				
CCV Standard		WP61558				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61560,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/02/18 12:24		OK
23	CCB2	CCB2	CCB	02/02/18 12:24		OK
24	J1431-07	132-1-PH-1	SAM	02/02/18 12:24		OK
25	J1436-01	B15	SAM	02/02/18 12:24		OK
26	J1436-05	B13	SAM	02/02/18 12:32		OK
27	J1436-09	B12	SAM	02/02/18 12:32		OK
28	J1436-13	B18	SAM	02/02/18 12:32		OK
29	J1436-17	B25	SAM	02/02/18 12:32		OK
30	CCV3	CCV3	CCV	02/02/18 12:32		OK
31	CCB3	CCB3	CCB	02/02/18 12:32		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93069	Date Received:	
Client Sample ID:	HIGHPB106267	SDG No.:	LB93069
Lab Sample ID:	HIGHPB106267	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.49		1	0.003		0.005	mg/L		02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	NB-08-020118	SDG No.:	LB93069
Lab Sample ID:	J1395-01	Matrix:	Solid
Level (low/med):	low	% Solid:	82.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.089	J	1	0.039		0.3	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-3	SDG No.:	LB93069
Lab Sample ID:	J1431-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.033	J	1	0.032		0.24	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-2	SDG No.:	LB93069
Lab Sample ID:	J1431-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.033	J	1	0.032		0.25	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-1	SDG No.:	LB93069
Lab Sample ID:	J1431-07	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.057	J	1	0.032		0.24	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B15	SDG No.:	LB93069
Lab Sample ID:	J1436-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.082	J	1	0.036		0.27	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B13	SDG No.:	LB93069
Lab Sample ID:	J1436-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.054	J	1	0.037		0.28	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B12	SDG No.:	LB93069
Lab Sample ID:	J1436-09	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.036		0.28	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B18	SDG No.:	LB93069
Lab Sample ID:	J1436-13	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.045	J	1	0.038		0.29	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93069	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B25	SDG No.:	LB93069
Lab Sample ID:	J1436-17	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.038		0.29	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93069	Date Received:	
Client Sample ID:	LOWPB106267	SDG No.:	LB93069
Lab Sample ID:	LOWPB106267	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0098		1	0.003		0.005	mg/L		02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93069	Date Received:	
Client Sample ID:	LOWPB106267	SDG No.:	LB93069
Lab Sample ID:	LOWPB106267	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93069

SDG No.: LB93069

Contract: _____ Lab Code: CHEM

Case No.: LB93069

SAS No.: LB93069

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	0.24	0.25	96		90 - 110		02/02/2018	12:17	LB93069
CCV2	Cyanide	0.24	0.25	96		90 - 110		02/02/2018	12:24	LB93069
CCV3	Cyanide	0.25	0.25	100		90 - 110		02/02/2018	12:32	LB93069



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93069

SDG No.: LB93069

Contract:

Lab Code: CHEM

Case No.: LB93069

SAS No.: LB93069

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00016	+/-0.005	U		0.005		02/02/2018	12:17	LB93069



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93069

SDG No.: LB93069

Contract:

Lab Code: CHEM

Case No.: LB93069

SAS No.: LB93069

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00011	+/-0.005	U		0.005		02/02/2018	12:17	LB93069
CCB2	Cyanide	0.00038	+/-0.005	U		0.005		02/02/2018	12:24	LB93069
CCB3	Cyanide	0.0002	+/-0.005	U		0.005		02/02/2018	12:32	LB93069



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93069

SDG No.: LB93069

Contract: Lab Code: CHEM

Case No.: LB93069

SAS No.: LB93069

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: LB93069

SDG No.: LB93069

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB106267BL	Cyanide	SOLID 0.012	<0.25	Batch Number: U		PB106267 0.25		Prep Date: 02/02/2018	02/02/2018 12:17	LB93069



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93069 level: low sdg no.: LB93069
contract: lab code: CHEM case no.: LB93069 sas no.: LB93069
matrix: Solid sample id: J1395-01 client id: NB-08-020118MS
Percent Solids for Sample: 82.7 Spiked ID: J1395-01MS Percent Solids for Spike Sample: 82.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.089	J	2.3	83		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93069 level: low sdg no.: LB93069
contract: lab code: CHEM case no.: LB93069 sas no.: LB93069
matrix: Solid sample id: J1395-01 client id: NB-08-020118MSD
Percent Solids for Sample: 82.7 Spiked ID: J1395-01MSD Percent Solids for Spike Sample: 82.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.089	J	2.3	83		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93069 **Level:** LOW **SDG No.:** LB93069
Contract: **Lab Code:** CHEM **Case No.:** LB93069 **SAS No.:** LB93069
Matrix: Solid **Sample ID:** J1395-01 **Client ID:** NB-08-020118DUP
Percent Solids for Sample: 82.7 **Duplicate ID** J1395-01DUP **Percent Solids for Spike Sample:** 82.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.089	J	0.085	J	5		

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DUPLICATE SAMPLE SUMMARY

Client: LB93069 **Level:** LOW **SDG No.:** LB93069
Contract: **Lab Code:** CHEM **Case No.:** LB93069 **SAS No.:** LB93069
Matrix: Solid **Sample ID:** J1395-01MS **Client ID:** NB-08-020118MSD
Percent Solids for Sample: 82.7 **Duplicate ID** J1395-01MSD **Percent Solids for Spike Sample:** 82.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		

