

Daily Analysis Runlog For Sequence/QC Batch ID # LB94892

Review By		Review On				
SubDirectory		LB94892		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63949,WP63951,WP63953,WP63954,WP63955,WP63957,WP63959				
ICV Standard		W1542				
CCV Standard		WP63960				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63963,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/25/18 08:33		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/25/18 08:33		OK
3	10PPBCN	10PPBCN	CAL3	04/25/18 08:33		OK
4	50PPBCN	50PPBCN	CAL4	04/25/18 08:33		OK
5	100PPBCN	100PPBCN	CAL5	04/25/18 08:33		OK
6	250PPBCN	250PPBCN	CAL6	04/25/18 08:33		OK
7	500PPBCN	500PPBCN	CAL7	04/25/18 08:33		OK
8	ICV1	ICV1	ICV	04/25/18 15:14		OK
9	ICB1	ICB1	ICB	04/25/18 15:14		OK
10	CCV1	CCV1	CCV	04/25/18 15:14		OK
11	CCB1	CCB1	CCB	04/25/18 15:14		OK
12	PB108606BL	PB108606BL	MB	04/25/18 15:14		OK
13	PB108606BS	PB108606BS	LCS	04/25/18 15:14		OK
14	J2155-07	NB-08-042418-A	SAM	04/25/18 15:14		OK
15	J2155-07DUP	NB-08-042418-ADUP	DUP	04/25/18 15:14		OK
16	J2155-07MS	NB-08-042418-AMS	MS	04/25/18 15:14		OK
17	J2155-07MSD	NB-08-042418-AMSD	MSD	04/25/18 15:14		OK
18	J2155-09	NB-08-042418-B	SAM	04/25/18 15:14		OK
19	J2155-11	NB-08-042418-C	SAM	04/25/18 15:20		OK
20	J2156-03	HD-02-042418	SAM	04/25/18 15:20		OK
21	J2158-03	OK-01-042418	SAM	04/25/18 15:20		OK

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

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ICAL Standard		WP63949,WP63951,WP63953,WP63954,WP63955,WP63957,WP63959				
ICV Standard		W1542				
CCV Standard		WP63960				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63963,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/25/18 15:46		OK
23	CCB2	CCB2	CCB	04/25/18 15:46		OK
24	J2539-01	FK-EF-01-005-ABCD	SAM	04/25/18 15:46		OK
25	J2541-01	TP-4-11	SAM	04/25/18 15:46		OK
26	CCV3	CCV3	CCV	04/25/18 15:46		OK
27	CCB3	CCB3	CCB	04/25/18 15:46		OK



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-A	SDG No.:	LB94892
Lab Sample ID:	J2155-07	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.00095	U	1	0.036		0.27	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-B	SDG No.:	LB94892
Lab Sample ID:	J2155-09	Matrix:	Solid
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.076	J	1	0.034		0.26	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-C	SDG No.:	LB94892
Lab Sample ID:	J2155-11	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.046	U	1	0.035		0.26	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	HD-02-042418	SDG No.:	LB94892
Lab Sample ID:	J2156-03	Matrix:	Solid
Level (low/med):	low	% Solid:	96.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.033		0.25	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	OK-01-042418	SDG No.:	LB94892
Lab Sample ID:	J2158-03	Matrix:	Solid
Level (low/med):	low	% Solid:	96.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.05	J	1	0.033		0.25	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	FK-EF-01-005-ABCD	SDG No.:	LB94892
Lab Sample ID:	J2539-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0042	U	1	0.037		0.28	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	TP-4-11	SDG No.:	LB94892
Lab Sample ID:	J2541-01	Matrix:	Solid
Level (low/med):	low	% Solid:	74.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.038	U	1	0.041		0.31	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94892	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	TP-4-11	SDG No.:	LB94892
Lab Sample ID:	J2541-01	Matrix:	Solid
Level (low/med):	low	% Solid:	74.4

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: LB94892

SDG No.: LB94892

Contract: _____ Lab Code: CHEM

Case No.: LB94892

SAS No.: LB94892

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		04/25/2018	15:14	lb94892
CCV2	Cyanide	0.25	0.25	100		90 - 110		04/25/2018	15:46	lb94892
CCV3	Cyanide	0.26	0.25	104		90 - 110		04/25/2018	15:46	lb94892



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94892 **SDG No.:** LB94892
Contract: **Lab Code:** CHEM **Case No.:** LB94892 **SAS No.:** LB94892

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00013	+/-0.005	U		0.005		04/25/2018	15:14	lb94892

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00016	+/-0.005	U		0.005		04/25/2018	15:14	1b94892
CCB2	Cyanide	-0.00093	+/-0.005	U		0.005		04/25/2018	15:46	1b94892
CCB3	Cyanide	-0.00063	+/-0.005	U		0.005		04/25/2018	15:46	1b94892



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94892

SDG No.: LB94892

Contract: Lab Code: CHEM

Case No.: LB94892

SAS No.: LB94892

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB94892

SDG No.: LB94892

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
PB108606BL		SOLID		Batch Number:		PB108606		Prep Date:	04/25/2018	
	Cyanide	-0.016	<0.25	U		0.25		04/25/2018	15:14	lb94892



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94892 level: low sdg no.: LB94892
contract: lab code: CHEM case no.: LB94892 sas no.: LB94892
matrix: Solid sample id: J2155-07 client id: NB-08-042418-AMS
Percent Solids for Sample: 90.2 Spiked ID: J2155-07MS Percent Solids for Spike Sample: 90.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.2	81.8		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94892 level: low sdg no.: LB94892
contract: lab code: CHEM case no.: LB94892 sas no.: LB94892
matrix: Solid sample id: J2155-07 client id: NB-08-042418-AMSD
Percent Solids for Sample: 90.2 Spiked ID: J2155-07MSD Percent Solids for Spike Sample: 90.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.2	81.8		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94892 **Level:** LOW **SDG No.:** LB94892
Contract: **Lab Code:** CHEM **Case No.:** LB94892 **SAS No.:** LB94892
Matrix: Solid **Sample ID:** J2155-07 **Client ID:** NB-08-042418-ADUP
Percent Solids for Sample: 90.2 **Duplicate ID** J2155-07DUP **Percent Solids for Spike Sample:** 90.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	-0.011	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94892 **Level:** LOW **SDG No.:** LB94892
Contract: **Lab Code:** CHEM **Case No.:** LB94892 **SAS No.:** LB94892
Matrix: Solid **Sample ID:** J2155-07MS **Client ID:** NB-08-042418-AMSD
Percent Solids for Sample: 90.2 **Duplicate ID** J2155-07MSD **Percent Solids for Spike Sample:** 90.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94892

SDG No.: LB94892

Contract:

Lab Code: CHEM

Case No.: LB94892

SAS No.: LB94892

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108606BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	