

Daily Analysis Runlog For Sequence/QC Batch ID # LB94604

Review By		Review On				
SubDirectory		LB94604		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63685,WP63686,WP63687,WP63688,WP63689,WP63690,WP63691				
ICV Standard		WP63694				
CCV Standard		WP63693				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP63692,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/13/18 12:37		
2	5.0PPBCN	5.0PPBCN	CAL2	04/13/18 12:37		
3	10PPBCN	10PPBCN	CAL3	04/13/18 12:37		
4	50PPBCN	50PPBCN	CAL4	04/13/18 12:37		
5	100PPBCN	100PPBCN	CAL5	04/13/18 12:37		
6	250PPBCN	250PPBCN	CAL6	04/13/18 12:37		
7	500PPBCN	500PPBCN	CAL7	04/13/18 12:37		
8	ICV1	ICV1	ICV	04/13/18 13:23		
9	ICB1	ICB1	ICB	04/13/18 13:23		
10	CCV1	CCV1	CCV	04/13/18 13:23		
11	CCB1	CCB1	CCB	04/13/18 13:23		
12	PB108220BL	PB108220BL	MB	04/13/18 13:23		
13	J2152-02	BU-01-041218	SAM	04/13/18 13:23		
14	J2152-02DUP	BU-01-041218DUP	DUP	04/13/18 13:23		
15	J2166-04	TR-04-041218	SAM	04/13/18 13:23		
16	J2348-02	135-348	SAM	04/13/18 13:23		
17	J2348-04	132	SAM	04/13/18 13:23		
18	J2348-06	155	SAM	04/13/18 13:23		
19	J2348-08	275	SAM	04/13/18 13:30		
20	J2348-10	281	SAM	04/13/18 13:30		
21	CCV2	CCV2	CCV	04/13/18 13:30		

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB94604

Review By		Review On				
SubDirectory		Test : Reactive Cyanide				
LB94604						
STD. NAME	STD REF.#					
ICAL Standard	WP63685,WP63686,WP63687,WP63688,WP63689,WP63690,WP63691					
ICV Standard	WP63694					
CCV Standard	WP63693					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP63692,WP59958,WP60878					
22	CCB2	CCB2	CCB	04/13/18 13:30		
23	J2357-02	RBR2520258	SAM	04/13/18 13:30		
24	J2364-04	SP-A	SAM	04/13/18 13:30		
25	J2364-08	SP-B	SAM	04/13/18 13:30		
26	J2364-12	SP-C	SAM	04/13/18 13:30		
27	CCV3	CCV3	CCV	04/13/18 13:30		
28	CCB3	CCB3	CCB	04/13/18 13:30		



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	BU-01-041218	SDG No.:	LB94604
Lab Sample ID:	J2152-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0023	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	TR-04-041218	SDG No.:	LB94604
Lab Sample ID:	J2166-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.003	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	135-348	SDG No.:	LB94604
Lab Sample ID:	J2348-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0032	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	132	SDG No.:	LB94604
Lab Sample ID:	J2348-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0051	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	155	SDG No.:	LB94604
Lab Sample ID:	J2348-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0021	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	275	SDG No.:	LB94604
Lab Sample ID:	J2348-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0031	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	281	SDG No.:	LB94604
Lab Sample ID:	J2348-10	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0035	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	RBR2520258	SDG No.:	LB94604
Lab Sample ID:	J2357-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.002	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	SP-A	SDG No.:	LB94604
Lab Sample ID:	J2364-04	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0011	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	SP-B	SDG No.:	LB94604
Lab Sample ID:	J2364-08	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0013	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	SP-C	SDG No.:	LB94604
Lab Sample ID:	J2364-12	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0019	U	1	0.025		0.05	mg/Kg	04/13/2018	04/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94604	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	SP-C	SDG No.:	LB94604
Lab Sample ID:	J2364-12	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

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

Sample ID	Analyte	Result	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Reactive Cyanide	0.098	0.099	99		85 - 115		04/13/2018	13:23	LB94604



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94604

SDG No.: LB94604

Contract: _____ Lab Code: CHEM

Case No.: LB94604

SAS No.: LB94604

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	Reactive Cyanide	0.24	0.25	96		90 - 110		04/13/2018	13:23	LB94604
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		04/13/2018	13:30	LB94604
CCV3	Reactive Cyanide	0.24	0.25	96		90 - 110		04/13/2018	13:30	LB94604



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94604 **SDG No.:** LB94604
Contract: **Lab Code:** CHEM **Case No.:** LB94604 **SAS No.:** LB94604

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00011	+/-0.005	U		0.005		04/13/2018	13:23	LB94604



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94604

SDG No.: LB94604

Contract:

Lab Code: CHEM

Case No.: LB94604

SAS No.: LB94604

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00027	+/-0.005	U		0.005		04/13/2018	13:23	LB94604
CCB2	Reactive Cyanide	0.00037	+/-0.005	U		0.005		04/13/2018	13:30	LB94604
CCB3	Reactive Cyanide	-0	+/-0.005	U		0.005		04/13/2018	13:30	LB94604



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94604

SDG No.: LB94604

Contract: Lab Code: CHEM

Case No.: LB94604

SAS No.: LB94604

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: LB94604

SDG No.: LB94604

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
PB108220BL	Reactive Cyanide	SOLID -0.0011	<0.05	Batch Number: U		PB108220 0.05		Prep Date: 04/13/2018	04/13/2018 13:23	LB94604



GENCHEM
- 5a -

client: _____ level: low sdg no.: _____

contract: _____ lab code: _____ case no.: _____ sas no.: _____

matrix: _____ sample id: _____ client id: _____

Percent Solids for Sample: _____ Spiked ID: _____ Percent Solids for Spike Sample: _____

Analyte		Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
---------	--	-------	------------------------	---	------------------	---	----------------	---------------	------	---

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94604 **Level:** LOW **SDG No.:** LB94604
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94604 **SAS No.:** LB94604
Matrix: Solid **Sample ID:** J2152-02 **Client ID:** BU-01-041218DUP
Percent Solids for Sample: 100 **Duplicate ID** J2152-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.0028	U			



GENCHEM

- 7 -

Client: LB94604

SDG No.: LB94604

Contract:

Lab Code: CHEM

Case No.: LB94604

SAS No.: LB94604

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
---------	-------	------------	--------	---	---------------	----------------------	---
