

Daily Analysis Runlog For Sequence/QC Batch ID # LB89342

Review By		Review On				
SubDirectory		LB89342		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57061,WP57062,WP57063,WP57064,WP57065,WP57066,WP57067,WP57068				
ICV Standard		WP57071				
CCV Standard		WP57070				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57069,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/08/17 15:12		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/08/17 15:12		OK
3	10PPBCN	10PPBCN	CAL3	08/08/17 15:12		OK
4	50PPBCN	50PPBCN	CAL4	08/08/17 15:12		OK
5	100PPBCN	100PPBCN	CAL5	08/08/17 15:12		OK
6	250PPBCN	250PPBCN	CAL6	08/08/17 15:12		OK
7	500PPBCN	500PPBCN	CAL7	08/08/17 15:12		OK
8	ICV1	ICV1	ICV	08/08/17 15:49		OK
9	ICB1	ICB1	ICB	08/08/17 15:49		OK
10	CCV1	CCV1	CCV	08/08/17 15:53		OK
11	CCB1	CCB1	CCB	08/08/17 15:53		OK
12	PB101347BL	PB101347BL	MB	08/08/17 15:53		OK
13	I4649-05	B-13(0-10)COMP	SAM	08/08/17 15:58		OK
14	I4649-05DUP	B-13(0-10)COMPDU	DUP	08/08/17 15:58		OK
15	I4649-06	B-14(0-10)COMP	SAM	08/08/17 15:58		OK
16	I4652-06	L-1338-A-COMP	SAM	08/08/17 15:58		OK
17	I4652-11	L-1338-B-COMP	SAM	08/08/17 15:58		OK
18	I4655-04	TP7-WC1	SAM	08/08/17 16:03		OK
19	I4655-05	TP8N-WC1	SAM	08/08/17 16:03		OK
20	I4655-06	TP7DEL-WC1	SAM	08/08/17 16:03		OK
21	CCV2	CCV2	CCV	08/08/17 16:03		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB89342

Review By		Review On				
SubDirectory		Test : Reactive Cyanide				
LB89342						
STD. NAME	STD REF.#					
ICAL Standard	WP57061,WP57062,WP57063,WP57064,WP57065,WP57066,WP57067,WP57068					
ICV Standard	WP57071					
CCV Standard	WP57070					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP57069,WP55355,WP55836					
22	CCB2	CCB2	CCB	08/08/17 16:08		OK
23	I4657-03	CL-01-080717-A	SAM	08/08/17 16:08		OK
24	I4657-06	CL-01-080717-B	SAM	08/08/17 16:08		OK
25	I4657-09	CL-01-080717-C	SAM	08/08/17 16:08		OK
26	I4650-03	SP-001-A-COMP	SAM	08/08/17 16:14		OK
27	I4657-12	CL-01-080717-D	SAM	08/08/17 16:14		OK
28	I4657-15	CL-01-080717-E	SAM	08/08/17 16:14		OK
29	I4659-01	WC-1	SAM	08/08/17 16:14		OK
30	CCV3	CCV3	CCV	08/08/17 16:14		OK
31	CCB3	CCB3	CCB	08/08/17 16:14		OK



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	B-13(0-10)COMP	SDG No.:	LB89342
Lab Sample ID:	I4649-05	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	0.0067	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	B-14(0-10)COMP	SDG No.:	LB89342
Lab Sample ID:	I4649-06	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	0.0035	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	SP-001-A-COMP	SDG No.:	LB89342
Lab Sample ID:	I4650-03	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	-0.0076	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	L-1338-A-COMP	SDG No.:	LB89342
Lab Sample ID:	I4652-06	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	0.0068	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	L-1338-B-COMP	SDG No.:	LB89342
Lab Sample ID:	I4652-11	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	0.0072	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP7-WC1	SDG No.:	LB89342
Lab Sample ID:	I4655-04	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	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP8N-WC1	SDG No.:	LB89342
Lab Sample ID:	I4655-05	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	-0.0053	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP7DEL-WC1	SDG No.:	LB89342
Lab Sample ID:	I4655-06	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	-0.0045	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	CL-01-080717-A	SDG No.:	LB89342
Lab Sample ID:	I4657-03	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	-0.0046	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	CL-01-080717-B	SDG No.:	LB89342
Lab Sample ID:	I4657-06	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	-0.0059	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	CL-01-080717-C	SDG No.:	LB89342
Lab Sample ID:	I4657-09	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	-0.0048	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	CL-01-080717-D	SDG No.:	LB89342
Lab Sample ID:	I4657-12	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	-0.0068	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	CL-01-080717-E	SDG No.:	LB89342
Lab Sample ID:	I4657-15	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	-0.0045	U	1	0.025		0.05	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	LB89342
Lab Sample ID:	I4659-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0038	U	1	0.025		0.049	mg/Kg	08/08/2017	08/08/2017	9012B



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89342	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	LB89342
Lab Sample ID:	I4659-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.5

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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89342

SDG No.: LB89342

Contract: _____ Lab Code: CHEM

Case No.: LB89342

SAS No.: LB89342

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	Reactive Cyanide	0.1	0.099	101	0	85 - 115		08/08/2017	15:49	LB89342



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89342 **SDG No.:** LB89342
Contract: **Lab Code:** CHEM **Case No.:** LB89342 **SAS No.:** LB89342

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		08/08/2017	15:49	LB89342



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89342

SDG No.: LB89342

Contract:

Lab Code: CHEM

Case No.: LB89342

SAS No.: LB89342

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00021	+/-0.005	U		0.005		08/08/2017	15:53	LB89342
CCB2	Reactive Cyanide	0.0001	+/-0.005	U		0.005		08/08/2017	16:08	LB89342
CCB3	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		08/08/2017	16:14	LB89342



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89342

SDG No.: LB89342

Contract: Lab Code: CHEM

Case No.: LB89342

SAS No.: LB89342

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: LB89342

SDG No.: LB89342

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
PB101347BL	Reactive Cyanide	SOLID -0.0011	<0.05	Batch Number: U		PB101347 0.05		Prep Date: 08/08/2017	08/08/2017 15:53	LB89342

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89342 **Level:** LOW **SDG No.:** LB89342
Contract: **Lab Code:** CHEM **Case No.:** LB89342 **SAS No.:** LB89342
Matrix: Solid **Sample ID:** I4649-05 **Client ID:** B-13(0-10)COMPDUP
Percent Solids for Sample: 100 **Duplicate ID** I4649-05DUP **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	0.0037	U			