

Daily Analysis Runlog For Sequence/QC Batch ID # LB88542

Review By		Review On				
SubDirectory		LB88542		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56129,WP56130,WP56131,WP56132,WP56133,WP56134,WP56135,WP56136				
ICV Standard		WP56139				
CCV Standard		WP56138				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP56137,WP55836,WP55355				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/05/17 09:19		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/05/17 09:19		OK
3	10PPBCN	10PPBCN	CAL3	07/05/17 09:19		OK
4	50PPBCN	50PPBCN	CAL4	07/05/17 09:19		OK
5	100PPBCN	100PPBCN	CAL5	07/05/17 09:19		OK
6	250PPBCN	250PPBCN	CAL6	07/05/17 09:19		OK
7	500PPBCN	500PPBCN	CAL7	07/05/17 09:19		OK
8	ICV1	ICV1	ICV	07/05/17 15:50		OK
9	ICB1	ICB1	ICB	07/05/17 15:50		OK
10	CCV1	CCV1	CCV	07/05/17 15:50		OK
11	CCB1	CCB1	CCB	07/05/17 15:50		OK
12	PB100428BL	PB100428BL	MB	07/05/17 15:50		OK
13	I4035-01	CIY-SB-WC-S-2-10-5	SAM	07/05/17 15:50		OK
14	I4035-01DUP	CIY-SB-WC-S-2-10-5	DUP	07/05/17 15:50		OK
15	I4049-03	RO-72-12000	SAM	07/05/17 15:50		OK
16	I4049-06	DRUM-1-070317	SAM	07/05/17 15:50		OK
17	I4052-03	HR-03-070317-A	SAM	07/05/17 15:50		OK
18	I4052-06	HR-03-070317-B	SAM	07/05/17 15:50		OK
19	I4052-09	HR-03-070317-C	SAM	07/05/17 15:57		OK
20	I4053-03	CL-02-070317-A	SAM	07/05/17 15:57		OK
21	I4053-06	CL-02-070317-B	SAM	07/05/17 15:57		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB88542

Review By		Review On				
SubDirectory		LB88542		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56129,WP56130,WP56131,WP56132,WP56133,WP56134,WP56135,WP56136				
ICV Standard		WP56139				
CCV Standard		WP56138				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP56137,WP55836,WP55355				
22	CCV2	CCV2	CCV	07/05/17 15:57		OK
23	CCB2	CCB2	CCB	07/05/17 15:57		OK
24	I4053-09	CL-02-070317-C	SAM	07/05/17 15:57		OK
25	I4053-12	CL-02-070317-D	SAM	07/05/17 15:57		OK
26	I4053-15	CL-02-070317-E	SAM	07/05/17 15:57		OK
27	CCV3	CCV3	CCV	07/05/17 15:57		OK
28	CCB3	CCB3	CCB	07/05/17 15:57		OK



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

Report of Analysis

Client:		Date Collected:	6/30/2017 12:00:00 AM
Project:	LB88542	Date Received:	6/30/2017 12:00:00 AM
Client Sample ID:	CIY-SB-WC-S-2-10-50	SDG No.:	LB88542
Lab Sample ID:	I4035-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.023	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B



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

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	RO-72-12000	SDG No.:	LB88542
Lab Sample ID:	I4049-03	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.02	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	DRUM-1-070317	SDG No.:	LB88542
Lab Sample ID:	I4049-06	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.
	Reactive Cyanide	0.019	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	HR-03-070317-A	SDG No.:	LB88542
Lab Sample ID:	I4052-03	Matrix:	Solid
Level (low/med):	low	% Solid:	97.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.02	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B



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

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	HR-03-070317-B	SDG No.:	LB88542
Lab Sample ID:	I4052-06	Matrix:	Solid
Level (low/med):	low	% Solid:	95.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.015	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	HR-03-070317-C	SDG No.:	LB88542
Lab Sample ID:	I4052-09	Matrix:	Solid
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.02	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-A	SDG No.:	LB88542
Lab Sample ID:	I4053-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.021	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B



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

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-B	SDG No.:	LB88542
Lab Sample ID:	I4053-06	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.021	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-C	SDG No.:	LB88542
Lab Sample ID:	I4053-09	Matrix:	Solid
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.019	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-D	SDG No.:	LB88542
Lab Sample ID:	I4053-12	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.018	U	1	0.025		0.049	mg/Kg	07/05/2017	07/05/2017	9012B



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

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-E	SDG No.:	LB88542
Lab Sample ID:	I4053-15	Matrix:	Solid
Level (low/med):	low	% Solid:	87.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.021	U	1	0.025		0.05	mg/Kg	07/05/2017	07/05/2017	9012B

Report of Analysis

Client:		Date Collected:	7/3/2017 12:00:00 AM
Project:	LB88542	Date Received:	7/3/2017 12:00:00 AM
Client Sample ID:	CL-02-070317-E	SDG No.:	LB88542
Lab Sample ID:	I4053-15	Matrix:	Solid
Level (low/med):	low	% Solid:	87.3

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: LB88542

SDG No.: LB88542

Contract: _____ **Lab Code:** CHEM

Case No.: LB88542

SAS No.: LB88542

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Reactive Cyanide	0.092	0.099	92.9	0	85 - 115		07/05/2017	15:50	LB88542



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88542

SDG No.: LB88542

Contract: _____ Lab Code: CHEM

Case No.: LB88542

SAS No.: LB88542

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
CCV1	Reactive Cyanide	0.23	0.25	92	0	90 - 110		07/05/2017	15:50	LB88542
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		07/05/2017	15:57	LB88542
CCV3	Reactive Cyanide	0.24	0.25	96	0	90 - 110		07/05/2017	15:57	LB88542



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB88542	SDG No.:	LB88542				
Contract:		Lab Code:	CHEM	Case No.:	LB88542	SAS No.:	LB88542

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0023	+/-0.005	U		0.005		07/05/2017	15:50	LB88542



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88542

SDG No.: LB88542

Contract:

Lab Code: CHEM

Case No.: LB88542

SAS No.: LB88542

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0023	+/-0.005	U		0.005		07/05/2017	15:50	LB88542
CCB2	Reactive Cyanide	0.0021	+/-0.005	U		0.005		07/05/2017	15:57	LB88542
CCB3	Reactive Cyanide	0.0025	+/-0.005	J		0.005		07/05/2017	15:57	LB88542



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88542

SDG No.: LB88542

Contract: Lab Code: CHEM

Case No.: LB88542

SAS No.: LB88542

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: LB88542

SDG No.: LB88542

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
PB100428BL	Reactive Cyanide	SOLID 0.017	<0.05	Batch Number: U		PB100428 0.05		Prep Date: 07/05/2017	07/05/2017 15:50	LB88542

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88542 **Level:** LOW **SDG No.:** LB88542
Contract: _____ **Lab Code:** CHEM **Case No.:** LB88542 **SAS No.:** LB88542
Matrix: Solid **Sample ID:** I4035-01 **Client ID:** CIY-SB-WC-S-2-10-50DUP
Percent Solids for Sample: 80.1 **Duplicate ID** I4035-01DUP **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.019	U			