

Daily Analysis Runlog For Sequence/QC Batch ID # LB96111

Review By		Review On				
SubDirectory		LB96111		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65413,WP65414,WP65416,WP65417,WP65418,WP65419,WP65415				
ICV Standard		WP65421				
CCV Standard		WP65420				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65422,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/19/18 11:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/19/18 11:21		OK
3	10PPBCN	10PPBCN	CAL3	06/19/18 11:21		OK
4	50PPBCN	50PPBCN	CAL4	06/19/18 11:21		OK
5	100PPBCN	100PPBCN	CAL5	06/19/18 11:21		OK
6	250PPBCN	250PPBCN	CAL6	06/19/18 11:21		OK
7	500PPBCN	500PPBCN	CAL7	06/19/18 11:21		OK
8	ICV1	ICV1	ICV	06/19/18 11:50		OK
9	ICB1	ICB1	ICB	06/19/18 11:50		OK
10	CCV1	CCV1	CCV	06/19/18 11:50		OK
11	CCB1	CCB1	CCB	06/19/18 11:50		OK
12	PB110382BL	PB110382BL	MB	06/19/18 11:50		OK
13	J3249-02	PL-01-061818-A	SAM	06/19/18 11:50		OK
14	J3249-02DUP	PL-01-061818-ADUP	DUP	06/19/18 11:50		OK
15	J3249-04	PL-01-061818-B	SAM	06/19/18 11:50		OK
16	J3249-06	PL-01-061818-C	SAM	06/19/18 11:50		OK
17	J3249-08	PL-01-061818-D	SAM	06/19/18 11:50		OK
18	J3249-10	PL-01-061818-E	SAM	06/19/18 11:50		OK
19	J3575-03	TP-9	SAM	06/19/18 11:57		OK
20	J3575-07	TP-10	SAM	06/19/18 11:57		OK
21	J3575-11	TP-12	SAM	06/19/18 11:57		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB96111

Review By		Review On				
SubDirectory		LB96111		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65413,WP65414,WP65416,WP65417,WP65418,WP65419,WP65415				
ICV Standard		WP65421				
CCV Standard		WP65420				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65422,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/19/18 11:57		OK
23	CCB2	CCB2	CCB	06/19/18 11:57		OK
24	J3575-15	TP-11-S	SAM	06/19/18 11:57		OK
25	J3575-19	TP-11-D	SAM	06/19/18 11:57		OK
26	J3575-22	TP-13	SAM	06/19/18 11:57		OK
27	J3584-04	TP-12-S	SAM	06/19/18 11:57		OK
28	J3584-08	TP-12-D	SAM	06/19/18 11:57		OK
29	J3584-12	TP-3	SAM	06/19/18 12:02		OK
30	J3584-16	TP-2-S	SAM	06/19/18 12:02		OK
31	J3584-20	TP-1-S	SAM	06/19/18 12:02		OK
32	J3584-24	TP-1-D	SAM	06/19/18 12:02		OK
33	J3576-01	N-1366-OILY-DEBRIS	SAM	06/19/18 12:24		OK
34	CCV3	CCV3	CCV	06/19/18 12:24		OK
35	CCB3	CCB3	CCB	06/19/18 12:24		OK



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	PL-01-061818-A	SDG No.:	LB96111
Lab Sample ID:	J3249-02	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	-0.01	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	PL-01-061818-B	SDG No.:	LB96111
Lab Sample ID:	J3249-04	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	-0.0085	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	PL-01-061818-C	SDG No.:	LB96111
Lab Sample ID:	J3249-06	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	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	PL-01-061818-D	SDG No.:	LB96111
Lab Sample ID:	J3249-08	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	-0.0073	U	1	0.025		0.049	mg/Kg	06/19/2018	06/19/2018	9012B

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	PL-01-061818-E	SDG No.:	LB96111
Lab Sample ID:	J3249-10	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	-0.014	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-9	SDG No.:	LB96111
Lab Sample ID:	J3575-03	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	-0.0067	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-10	SDG No.:	LB96111
Lab Sample ID:	J3575-07	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.01	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-12	SDG No.:	LB96111
Lab Sample ID:	J3575-11	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	-0.0029	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-11-S	SDG No.:	LB96111
Lab Sample ID:	J3575-15	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	-0.004	U	1	0.025		0.049	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-11-D	SDG No.:	LB96111
Lab Sample ID:	J3575-19	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	-0.0047	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/16/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	LB96111
Lab Sample ID:	J3575-22	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	-0.0078	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	N-1366-OILY-DEBRIS	SDG No.:	LB96111
Lab Sample ID:	J3576-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0082	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-12-S	SDG No.:	LB96111
Lab Sample ID:	J3584-04	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	-0.0082	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-12-D	SDG No.:	LB96111
Lab Sample ID:	J3584-08	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	-0.0041	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB96111
Lab Sample ID:	J3584-12	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	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-2-S	SDG No.:	LB96111
Lab Sample ID:	J3584-16	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	-0.011	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-1-S	SDG No.:	LB96111
Lab Sample ID:	J3584-20	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	-0.012	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-1-D	SDG No.:	LB96111
Lab Sample ID:	J3584-24	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	-0.016	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96111	Date Received:	6/18/2018 12:00:00 AM
Client Sample ID:	TP-1-D	SDG No.:	LB96111
Lab Sample ID:	J3584-24	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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: LB96111

SDG No.: LB96111

Contract: _____ Lab Code: CHEM

Case No.: LB96111

SAS No.: LB96111

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
ICV1	Reactive Cyanide	0.096	0.099	97		85 - 115		06/19/2018	11:50	lb96111



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96111

SDG No.: LB96111

Contract: _____ Lab Code: CHEM

Case No.: LB96111 SAS No.: LB96111

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	0.25	0.25	100		90 - 110		06/19/2018	11:50	lb96111
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		06/19/2018	11:57	lb96111
CCV3	Reactive Cyanide	0.27	0.25	108		90 - 110		06/19/2018	12:24	lb96111



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96111

SDG No.: LB96111

Contract:

Lab Code: CHEM

Case No.: LB96111

SAS No.: LB96111

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00035	+/-0.005	U		0.005		06/19/2018	11:50	1b96111



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96111

SDG No.: LB96111

Contract:

Lab Code: CHEM

Case No.: LB96111

SAS No.: LB96111

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00041	+/-0.005	U		0.005		06/19/2018	11:50	1b96111
CCB2	Reactive Cyanide	-0.00042	+/-0.005	U		0.005		06/19/2018	11:57	1b96111
CCB3	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		06/19/2018	12:24	1b96111



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96111

SDG No.: LB96111

Contract: Lab Code: CHEM

Case No.: LB96111

SAS No.: LB96111

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: LB96111

SDG No.: LB96111

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
PB110382BL	Reactive Cyanide	SOLID 0.0059	<0.05	Batch Number: U		PB110382 0.05		Prep Date: 06/19/2018	06/19/2018 11:50	lb96111

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB96111 **Level:** LOW **SDG No.:** LB96111
Contract: **Lab Code:** CHEM **Case No.:** LB96111 **SAS No.:** LB96111
Matrix: Solid **Sample ID:** J3249-02 **Client ID:** PL-01-061818-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J3249-02DUP **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	-0.0011	U			