

Daily Analysis Runlog For Sequence/QC Batch ID # LB96004

Review By		Review On				
SubDirectory		LB96004		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65262,WP65263,WP65264,WP65265,WP65266,WP65267,WP65268				
ICV Standard		WP65270				
CCV Standard		WP65269				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65271,WP64695,WP64696				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/14/18 10:10		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/14/18 10:10		OK
3	10PPBCN	10PPBCN	CAL3	06/14/18 10:10		OK
4	50PPBCN	50PPBCN	CAL4	06/14/18 10:10		OK
5	100PPBCN	100PPBCN	CAL5	06/14/18 10:10		OK
6	250PPBCN	250PPBCN	CAL6	06/14/18 10:10		OK
7	500PPBCN	500PPBCN	CAL7	06/14/18 10:10		OK
8	ICV1	ICV1	ICV	06/14/18 12:54		OK
9	ICB1	ICB1	ICB	06/14/18 12:54		OK
10	CCV1	CCV1	CCV	06/14/18 12:54		OK
11	CCB1	CCB1	CCB	06/14/18 12:54		OK
12	PB110247BL	PB110247BL	MB	06/14/18 12:54		OK
13	J3239-10	AU-06-061318-A	SAM	06/14/18 12:54		OK
14	J3239-10DUP	AU-06-061318-ADUP	DUP	06/14/18 12:54		OK
15	J3239-12	AU-06-061318-B	SAM	06/14/18 12:54		OK
16	J3239-14	AU-06-061318-C	SAM	06/14/18 12:54		OK
17	J3241-08	HR-05-061318-A	SAM	06/14/18 12:54		OK
18	J3241-10	HR-05-061318-B	SAM	06/14/18 12:54		OK
19	J3241-12	HR-05-061318-C	SAM	06/14/18 13:01		OK
20	J3464-07	SB-38-COMP	SAM	06/14/18 13:01		OK
21	J3464-08	SB-39-COMP	SAM	06/14/18 13:01		OK

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

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ICV Standard		WP65270				
CCV Standard		WP65269				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65271,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/14/18 13:01		OK
23	CCB2	CCB2	CCB	06/14/18 13:01		OK
24	J3464-09	SB-40-COMP	SAM	06/14/18 13:01		OK
25	J3464-10	SB-41-COMP	SAM	06/14/18 13:01		OK
26	J3464-11	SB-42-COMP	SAM	06/14/18 13:01		OK
27	J3464-12	SB-43-COMP	SAM	06/14/18 13:01		OK
28	J3465-02	TP-A1-WC-1	SAM	06/14/18 13:01		OK
29	J3465-04	TP-A2-WC-1	SAM	06/14/18 13:01		OK
30	J3465-06	TP-B4-WC-1	SAM	06/14/18 13:06		OK
31	J3480-04	OILY-STONES	SAM	06/14/18 13:06		OK
32	J3487-02	OILY-SOIL	SAM	06/14/18 13:06		OK
33	J3488-03	FS-RO-3091	SAM	06/14/18 13:06		OK
34	CCV3	CCV3	CCV	06/14/18 13:07		OK
35	CCB3	CCB3	CCB	06/14/18 13:07		OK

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	AU-06-061318-A	SDG No.:	LB96004
Lab Sample ID:	J3239-10	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	-0.00096	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	AU-06-061318-B	SDG No.:	LB96004
Lab Sample ID:	J3239-12	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	-0.011	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	AU-06-061318-C	SDG No.:	LB96004
Lab Sample ID:	J3239-14	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	0.0018	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	HR-05-061318-A	SDG No.:	LB96004
Lab Sample ID:	J3241-08	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	-0.0016	U	1	0.025		0.049	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	HR-05-061318-B	SDG No.:	LB96004
Lab Sample ID:	J3241-10	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	0.0094	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	HR-05-061318-C	SDG No.:	LB96004
Lab Sample ID:	J3241-12	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	-0.003	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-38-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-07	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	0.0043	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-39-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-08	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	0.0061	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-40-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-09	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		0.049	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-41-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-10	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	-0.0003	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-42-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-11	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	-0.0078	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/8/2018 12:00:00 AM
Client Sample ID:	SB-43-COMP	SDG No.:	LB96004
Lab Sample ID:	J3464-12	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	0.0026	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	TP-A1-WC-1	SDG No.:	LB96004
Lab Sample ID:	J3465-02	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	0.0052	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	TP-A2-WC-1	SDG No.:	LB96004
Lab Sample ID:	J3465-04	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	0.0015	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	TP-B4-WC-1	SDG No.:	LB96004
Lab Sample ID:	J3465-06	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	-0.0086	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB96004
Lab Sample ID:	J3480-04	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	0.0038	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	OILY-SOIL	SDG No.:	LB96004
Lab Sample ID:	J3487-02	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	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	FS-RO-3091	SDG No.:	LB96004
Lab Sample ID:	J3488-03	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	0.0051	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96004	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	FS-RO-3091	SDG No.:	LB96004
Lab Sample ID:	J3488-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB96004

SDG No.: LB96004

Contract: _____ Lab Code: CHEM

Case No.: LB96004

SAS No.: LB96004

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		06/14/2018	12:54	LB96004



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96004

SDG No.: LB96004

Contract: _____ Lab Code: CHEM

Case No.: LB96004

SAS No.: LB96004

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		06/14/2018	12:54	LB96004
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		06/14/2018	13:01	LB96004
CCV3	Reactive Cyanide	0.26	0.25	104		90 - 110		06/14/2018	13:07	LB96004



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96004

SDG No.: LB96004

Contract:

Lab Code: CHEM

Case No.: LB96004

SAS No.: LB96004

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00047	+/-0.005	U		0.005		06/14/2018	12:54	LB96004



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96004

SDG No.: LB96004

Contract:

Lab Code: CHEM

Case No.: LB96004

SAS No.: LB96004

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00051	+/-0.005	U		0.005		06/14/2018	12:54	LB96004
CCB2	Reactive Cyanide	0.00042	+/-0.005	U		0.005		06/14/2018	13:01	LB96004
CCB3	Reactive Cyanide	0.00072	+/-0.005	U		0.005		06/14/2018	13:07	LB96004



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96004

SDG No.: LB96004

Contract: Lab Code: CHEM

Case No.: LB96004

SAS No.: LB96004

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: LB96004

SDG No.: LB96004

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
PB110247BL	Reactive Cyanide	SOLID 0.00082	<0.05	Batch Number: U		PB110247 0.05		Prep Date: 06/14/2018	06/14/2018 12:54	LB96004

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB96004 Level: LOW SDG No.: LB96004
Contract: _____ Lab Code: CHEM Case No.: LB96004 SAS No.: LB96004
Matrix: Solid Sample ID: J3239-10 Client ID: AU-06-061318-ADUP
Percent Solids for Sample: 100 Duplicate ID J3239-10DUP 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	-0.0095	U			