

Daily Analysis Runlog For Sequence/QC Batch ID # LB90194

Review By		Review On				
SubDirectory		LB90194		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58073,WP58074,WP58075,WP58076,WP58077,WP58078,WP58071				
ICV Standard		wp58081				
CCV Standard		wp58079				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58080,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/20/17 08:58		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/20/17 08:58		OK
3	10PPBCN	10PPBCN	CAL3	09/20/17 08:58		OK
4	50PPBCN	50PPBCN	CAL4	09/20/17 08:58		OK
5	100PPBCN	100PPBCN	CAL5	09/20/17 08:58		OK
6	250PPBCN	250PPBCN	CAL6	09/20/17 08:58		OK
7	500PPBCN	500PPBCN	CAL7	09/20/17 08:58		OK
8	ICV1	ICV1	ICV	09/20/17 11:10		OK
9	ICB1	ICB1	ICB	09/20/17 11:10		OK
10	CCV1	CCV1	CCV	09/20/17 11:10		OK
11	CCB1	CCB1	CCB	09/20/17 11:10		OK
12	PB102441BL	PB102441BL	MB	09/20/17 11:10		OK
13	I5285-06	CSTP-1	SAM	09/20/17 11:10		OK
14	I5285-06DUP	CSTP-1DUP	DUP	09/20/17 11:10		OK
15	I5285-07	CSTP-2	SAM	09/20/17 11:17		OK
16	I5285-08	CSTP-3	SAM	09/20/17 11:17		OK
17	I5285-09	CSTP-4	SAM	09/20/17 11:17		OK
18	I5285-10	CSTP-5	SAM	09/20/17 11:17		OK
19	I5288-02	DRUM-A-OILYSTON	SAM	09/20/17 11:17		OK
20	I5291-02	OILY-STONE	SAM	09/20/17 11:17		OK
21	I5292-03	BU-01-091817	SAM	09/20/17 11:17		OK

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

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ICV Standard	wp58081					
CCV Standard	wp58079					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP58080,WP55355,WP55836					
22	CCV2	CCV2	CCV	09/20/17 11:17		OK
23	CCB2	CCB2	CCB	09/20/17 11:17		OK
24	I5293-06	TP-1-COMP	SAM	09/20/17 11:17		OK
25	I5293-09	SP-A-COMP	SAM	09/20/17 11:22		OK
26	I5293-12	SP-B-R-SIDE-COMP	SAM	09/20/17 11:22		OK
27	I5293-15	SP-B-L-SIDE-COMP	SAM	09/20/17 11:22		OK
28	I5293-03	TP-2-COMP	SAM	09/20/17 11:46		OK
29	CCV3	CCV3	CCV	09/20/17 11:46		OK
30	CCB3	CCB3	CCB	09/20/17 11:46		OK



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	CSTP-1	SDG No.:	LB90194
Lab Sample ID:	I5285-06	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	-0.0061	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	CSTP-2	SDG No.:	LB90194
Lab Sample ID:	I5285-07	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	0.0034	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	CSTP-3	SDG No.:	LB90194
Lab Sample ID:	I5285-08	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	-0.0066	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	CSTP-4	SDG No.:	LB90194
Lab Sample ID:	I5285-09	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	0.0011	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	CSTP-5	SDG No.:	LB90194
Lab Sample ID:	I5285-10	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	-0.0054	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	DRUM-A-OILYSTONES	SDG No.:	LB90194
Lab Sample ID:	I5288-02	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	-0.00071	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB90194
Lab Sample ID:	I5291-02	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	-0.0011	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	BU-01-091817	SDG No.:	LB90194
Lab Sample ID:	I5292-03	Matrix:	Solid
Level (low/med):	low	% Solid:	95.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0037	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	TP-2-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88

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	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	TP-1-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-06	Matrix:	Solid
Level (low/med):	low	% Solid:	87.5

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	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	SP-A-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-09	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00074	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	SP-B-R-SIDE-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-12	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0069	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	SP-B-L-SIDE-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-15	Matrix:	Solid
Level (low/med):	low	% Solid:	94.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0022	U	1	0.025		0.05	mg/Kg	09/19/2017	09/20/2017	9012B



Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90194	Date Received:	9/18/2017 12:00:00 AM
Client Sample ID:	SP-B-L-SIDE-COMP	SDG No.:	LB90194
Lab Sample ID:	I5293-15	Matrix:	Solid
Level (low/med):	low	% Solid:	94.7

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: LB90194

SDG No.: LB90194

Contract: _____ Lab Code: CHEM

Case No.: LB90194

SAS No.: LB90194

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	0.24	0.25	96	0	90 - 110		09/20/2017	11:10	LB90194
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		09/20/2017	11:17	LB90194
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/20/2017	11:46	LB90194



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90194 **SDG No.:** LB90194
Contract: **Lab Code:** CHEM **Case No.:** LB90194 **SAS No.:** LB90194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00034	+/-0.005	U		0.005		09/20/2017	11:10	LB90194

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		09/20/2017	11:10	LB90194
CCB2	Reactive Cyanide	0.00062	+/-0.005	U		0.005		09/20/2017	11:17	LB90194
CCB3	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		09/20/2017	11:46	LB90194



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90194

SDG No.: LB90194

Contract: Lab Code: CHEM

Case No.: LB90194

SAS No.: LB90194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB90194

SDG No.: LB90194

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
PB102441BL	Reactive Cyanide	SOLID -0.0054	<0.05	Batch Number: U		PB102441 0.05		Prep Date: 09/20/2017	09/19/2017 11:10	LB90194

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB90194 **Level:** LOW **SDG No.:** LB90194
Contract: **Lab Code:** CHEM **Case No.:** LB90194 **SAS No.:** LB90194
Matrix: Solid **Sample ID:** I5285-06 **Client ID:** CSTP-1DUP
Percent Solids for Sample: 100 **Duplicate ID** I5285-06DUP **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	-0.0053	U			