

Daily Analysis Runlog For Sequence/QC Batch ID # LB92228

Review By		Review On				
SubDirectory		LB92228		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60404,WP60405,WP60406,WP60407,WP60408,WP60409,WP60410				
ICV Standard		WP60412				
CCV Standard		WP60411				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60413,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/18/17 10:41		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/18/17 10:42		OK
3	10PPBCN	10PPBCN	CAL3	12/18/17 10:42		OK
4	50PPBCN	50PPBCN	CAL4	12/18/17 10:42		OK
5	100PPBCN	100PPBCN	CAL5	12/18/17 10:42		OK
6	250PPBCN	250PPBCN	CAL6	12/18/17 10:42		OK
7	500PPBCN	500PPBCN	CAL7	12/18/17 10:42		OK
8	ICV1	ICV1	ICV	12/18/17 13:22		OK
9	ICB1	ICB1	ICB	12/18/17 13:22		OK
10	CCV1	CCV1	CCV	12/18/17 13:22		OK
11	CCB1	CCB1	CCB	12/18/17 13:22		OK
12	PB105120BL	PB105120BL	MB	12/18/17 13:22		OK
13	I6675-08	SU-04-121517	SAM	12/18/17 13:22		OK
14	I6675-08DUP	SU-04-121517DUP	DUP	12/18/17 13:22		OK
15	I6677-06	OR-01-121517-A	SAM	12/18/17 13:29		OK
16	I6677-08	OR-01-121517-B	SAM	12/18/17 13:29		OK
17	I6680-20	PATERSON-02-1215	SAM	12/18/17 13:29		OK
18	I6744-12	PROS- 3-E(11-12)	SAM	12/18/17 13:29		OK
19	I6927-03	R-4297-39456	SAM	12/18/17 13:29		OK
20	I6940-03	VB16206-VB16211	SAM	12/18/17 13:29		OK
21	I6957-05	HALSTED-NW	SAM	12/18/17 13:29		OK

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

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SubDirectory		Test : Reactive Cyanide				
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ICAL Standard		WP60404,WP60405,WP60406,WP60407,WP60408,WP60409,WP60410				
ICV Standard		WP60412				
CCV Standard		WP60411				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60413,WP59958,WP60150				
22	CCV2	CCV2	CCV	12/18/17 13:30		OK
23	CCB2	CCB2	CCB	12/18/17 13:30		OK
24	I6957-06	HALSTED-SW	SAM	12/18/17 13:30		OK
25	I6957-07	HALSTED-EW	SAM	12/18/17 13:30		OK
26	I6957-08	HALSTED-WW	SAM	12/18/17 13:34		OK
27	I6958-02	DRUM-1-4	SAM	12/18/17 13:34		OK
28	CCV3	CCV3	CCV	12/18/17 13:34		OK
29	CCB3	CCB3	CCB	12/18/17 13:34		OK



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	SU-04-121517	SDG No.:	LB92228
Lab Sample ID:	I6675-08	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	0.0057	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	OR-01-121517-A	SDG No.:	LB92228
Lab Sample ID:	I6677-06	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	0.0053	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	OR-01-121517-B	SDG No.:	LB92228
Lab Sample ID:	I6677-08	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	0.0067	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	PATERSON-02-121517	SDG No.:	LB92228
Lab Sample ID:	I6680-20	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	0.0057	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/4/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	PROS- 3-E(11-12)	SDG No.:	LB92228
Lab Sample ID:	I6744-12	Matrix:	Solid
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0087	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	R-4297-39456	SDG No.:	LB92228
Lab Sample ID:	I6927-03	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	0.0052	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	VB16206-VB16211	SDG No.:	LB92228
Lab Sample ID:	I6940-03	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	0.0088	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	HALSTED-NW	SDG No.:	LB92228
Lab Sample ID:	I6957-05	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	0.0081	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	HALSTED-SW	SDG No.:	LB92228
Lab Sample ID:	I6957-06	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	0.0066	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	HALSTED-EW	SDG No.:	LB92228
Lab Sample ID:	I6957-07	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	0.007	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	HALSTED-WW	SDG No.:	LB92228
Lab Sample ID:	I6957-08	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	0.0069	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	DRUM-1-4	SDG No.:	LB92228
Lab Sample ID:	I6958-02	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	0.0069	U	1	0.025		0.05	mg/Kg	12/18/2017	12/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/15/2017 12:00:00 AM
Project:	LB92228	Date Received:	12/15/2017 12:00:00 AM
Client Sample ID:	DRUM-1-4	SDG No.:	LB92228
Lab Sample ID:	I6958-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92228

SDG No.: LB92228

Contract: _____

Lab Code: CHEM

Case No.: LB92228

SAS No.: LB92228

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	0.097	0.099	98	0	85 - 115		12/18/2017	13:22	lb92228



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92228

SDG No.: LB92228

Contract: _____ Lab Code: CHEM

Case No.: LB92228

SAS No.: LB92228

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	0.25	0.25	100	0	90 - 110		12/18/2017	13:22	lb92228
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/18/2017	13:30	lb92228
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		12/18/2017	13:34	lb92228



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92228 **SDG No.:** LB92228
Contract: **Lab Code:** CHEM **Case No.:** LB92228 **SAS No.:** LB92228

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00096	+/-0.005	U		0.005		12/18/2017	13:22	lb92228



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92228

SDG No.: LB92228

Contract:

Lab Code: CHEM

Case No.: LB92228

SAS No.: LB92228

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.001	+/-0.005	U		0.005		12/18/2017	13:22	lb92228
CCB2	Reactive Cyanide	0.0013	+/-0.005	U		0.005		12/18/2017	13:30	lb92228
CCB3	Reactive Cyanide	0.0012	+/-0.005	U		0.005		12/18/2017	13:34	lb92228



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92228

SDG No.: LB92228

Contract: Lab Code: CHEM

Case No.: LB92228

SAS No.: LB92228

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: LB92228

SDG No.: LB92228

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
PB105120BL		SOLID		Batch Number:		PB105120		Prep Date:	12/18/2017	
	Reactive Cyanide	0.009	<0.05	U		0.05		12/18/2017	13:22	lb92228

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92228 Level: LOW SDG No.: LB92228
Contract: _____ Lab Code: CHEM Case No.: LB92228 SAS No.: LB92228
Matrix: Solid Sample ID: I6675-08 Client ID: SU-04-121517DUP
Percent Solids for Sample: 100 Duplicate ID I6675-08DUP 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	0.0064	U			