

Daily Analysis Runlog For Sequence/QC Batch ID # LB88699

Review By		Review On				
SubDirectory		LB88699		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56396,WP56397,WP56398,WP56399,WP56400,WP56401,WP56402,WP56403				
ICV Standard		W1541				
CCV Standard		WP56405				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP56404,WP55836,WP55355				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/13/17 11:40		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/13/17 11:40		OK
3	10PPBCN	10PPBCN	CAL3	07/13/17 11:40		OK
4	50PPBCN	50PPBCN	CAL4	07/13/17 11:40		OK
5	100PPBCN	100PPBCN	CAL5	07/13/17 11:40		OK
6	250PPBCN	250PPBCN	CAL6	07/13/17 11:40		OK
7	500PPBCN	500PPBCN	CAL7	07/13/17 11:40		OK
8	ICV1	ICV1	ICV	07/13/17 15:38		OK
9	ICB1	ICB1	ICB	07/13/17 15:38		OK
10	CCV1	CCV1	CCV	07/13/17 15:38		OK
11	CCB1	CCB1	CCB	07/13/17 15:38		OK
12	PB100608BL	PB100608BL	MB	07/13/17 15:38		OK
13	PB100608BS	PB100608BS	LCS	07/13/17 15:38		OK
14	LOWPB100608	LOWPB100608	SAM	07/13/17 15:38		OK
15	HIGHPB100608	HIGHPB100608	SAM	07/13/17 15:38		OK
16	I4163-01	SU-04-071217	SAM	07/13/17 15:38		OK
17	I4163-01DUP	SU-04-071217DUP	DUP	07/13/17 15:38		OK
18	I4163-01MS	SU-04-071217MS	MS	07/13/17 15:38		OK
19	I4163-01MSD	SU-04-071217MSD	MSD	07/13/17 15:44		OK
20	I4164-01	72-11975-COMP	SAM	07/13/17 15:44		OK
21	I4166-01	COMP-1-2-3	SAM	07/13/17 15:44		OK

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

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ICV Standard	W1541					
CCV Standard	WP56405					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	WP54521					
Chk Standard	WP56404,WP55836,WP55355					
22	CCV2	CCV2	CCV	07/13/17 15:44		OK
23	CCB2	CCB2	CCB	07/13/17 15:44		OK
24	I4166-07	COMP-4-5-6	SAM	07/13/17 15:44		OK
25	I4172-08	E2-CONCRETE-BAT	SAM	07/13/17 15:50		OK
26	CCV3	CCV3	CCV	07/13/17 15:52		OK
27	CCB3	CCB3	CCB	07/13/17 15:52		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB88699	Date Received:	
Client Sample ID:	HIGHPB100608	SDG No.:	LB88699
Lab Sample ID:	HIGHPB100608	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.47		1	0.003		0.005	mg/L		07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/12/2017 12:00:00 AM
Project:	LB88699	Date Received:	7/12/2017 12:00:00 AM
Client Sample ID:	SU-04-071217	SDG No.:	LB88699
Lab Sample ID:	I4163-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.091	J	1	0.038		0.29	mg/Kg	07/13/2017	07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/12/2017 12:00:00 AM
Project:	LB88699	Date Received:	7/12/2017 12:00:00 AM
Client Sample ID:	72-11975-COMP	SDG No.:	LB88699
Lab Sample ID:	I4164-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.028	U	1	0.034		0.25	mg/Kg	07/13/2017	07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/12/2017 12:00:00 AM
Project:	LB88699	Date Received:	7/12/2017 12:00:00 AM
Client Sample ID:	COMP-1-2-3	SDG No.:	LB88699
Lab Sample ID:	I4166-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.41		1	0.034		0.26	mg/Kg	07/13/2017	07/13/2017	9012B

Report of Analysis

Client:		Date Collected:	7/12/2017 12:00:00 AM
Project:	LB88699	Date Received:	7/12/2017 12:00:00 AM
Client Sample ID:	COMP-4-5-6	SDG No.:	LB88699
Lab Sample ID:	I4166-07	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.
57-12-5	Cyanide	0.21	J	1	0.035		0.26	mg/Kg	07/13/2017	07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/12/2017 12:00:00 AM
Project:	LB88699	Date Received:	7/12/2017 12:00:00 AM
Client Sample ID:	E2-CONCRETE-BATCH-15	SDG No.:	LB88699
Lab Sample ID:	I4172-08	Matrix:	Solid
Level (low/med):	low	% Solid:	94.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.059	J	1	0.034		0.26	mg/Kg	07/13/2017	07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88699	Date Received:	
Client Sample ID:	LOWPB100608	SDG No.:	LB88699
Lab Sample ID:	LOWPB100608	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.01		1	0.003		0.005	mg/L		07/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88699	Date Received:	
Client Sample ID:	LOWPB100608	SDG No.:	LB88699
Lab Sample ID:	LOWPB100608	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: **LB88699**

SDG No.: LB88699Contract: _____ Lab Code: CHEM

Case No.: LB88699

SAS No.: LB88699

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	%	%	Acceptance	M	Analysis	Analysis	Run
		mg/L								
ICV1	Cyanide	0.092	0.099	92.9	0	85 - 115		07/13/2017	15:38	LB88699



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88699

SDG No.: LB88699

Contract: _____ Lab Code: CHEM

Case No.: LB88699

SAS No.: LB88699

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	Cyanide	0.24	0.25	96	0	90 - 110		07/13/2017	15:38	LB88699
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		07/13/2017	15:44	LB88699
CCV3	Cyanide	0.24	0.25	96	0	90 - 110		07/13/2017	15:52	LB88699



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88699 **SDG No.:** LB88699
Contract: **Lab Code:** CHEM **Case No.:** LB88699 **SAS No.:** LB88699

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0028	+/-0.005	U		0.005		07/13/2017	15:38	LB88699



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88699		SDG No.: LB88699								
Contract:	Lab Code: CHEM	Case No.: LB88699	SAS No.: LB88699							
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0024	+/-0.005	U		0.005		07/13/2017	15:38	LB88699
CCB2	Cyanide	0.0028	+/-0.005	U		0.005		07/13/2017	15:44	LB88699
CCB3	Cyanide	0.0026	+/-0.005	U		0.005		07/13/2017	15:52	LB88699



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88699

SDG No.: LB88699

Contract: Lab Code: CHEM

Case No.: LB88699

SAS No.: LB88699

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: LB88699

SDG No.: LB88699

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
PB100608BL		SOLID		Batch Number:		PB100608		Prep Date:	07/13/2017	
	Cyanide	0.13	<0.25	J		0.25		07/13/2017	15:38	LB88699



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88699 level: low sdg no.: LB88699
contract: lab code: CHEM case no.: LB88699 sas no.: LB88699
matrix: Solid sample id: I4163-01 client id: SU-04-071217MS
Percent Solids for Sample: 84.1 Spiked ID: I4163-01MS Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.091	J	2.3	87		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88699 level: low sdg no.: LB88699
contract: lab code: CHEM case no.: LB88699 sas no.: LB88699
matrix: Solid sample id: I4163-01 client id: SU-04-071217MSD
Percent Solids for Sample: 84.1 Spiked ID: I4163-01MSD Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.091	J	2.3	87		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88699 **Level:** LOW **SDG No.:** LB88699
Contract: **Lab Code:** CHEM **Case No.:** LB88699 **SAS No.:** LB88699
Matrix: Solid **Sample ID:** I4163-01 **Client ID:** SU-04-071217DUP
Percent Solids for Sample: 84.1 **Duplicate ID** I4163-01DUP **Percent Solids for Spike Sample:** 84.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.091	J	0.053	J	53	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88699 **Level:** LOW **SDG No.:** LB88699
Contract: **Lab Code:** CHEM **Case No.:** LB88699 **SAS No.:** LB88699
Matrix: Solid **Sample ID:** I4163-01MS **Client ID:** SU-04-071217MSD
Percent Solids for Sample: 84.1 **Duplicate ID** I4163-01MSD **Percent Solids for Spike Sample:** 84.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1		2.1		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88699

SDG No.: LB88699

Contract:

Lab Code: CHEM

Case No.: LB88699

SAS No.: LB88699

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100608BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	