

Daily Analysis Runlog For Sequence/QC Batch ID # LB89065

Review By

Review On

SubDirectory

LB89065

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP56711,WP56712,WP56713,WP56714,WP56716,WP56717,WP56718,WP56720				
ICV Standard		W1541				
CCV Standard		WP56724				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP56722,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/27/17 08:41		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/27/17 08:41		OK
3	10PPBCN	10PPBCN	CAL3	07/27/17 08:41		OK
4	50PPBCN	50PPBCN	CAL4	07/27/17 08:41		OK
5	100PPBCN	100PPBCN	CAL5	07/27/17 08:41		OK
6	250PPBCN	250PPBCN	CAL6	07/27/17 08:41		OK
7	500PPBCN	500PPBCN	CAL7	07/27/17 08:41		OK
8	ICV1	ICV1	ICV	07/27/17 15:12		OK
9	ICB1	ICB1	ICB	07/27/17 15:12		OK
10	CCV1	CCV1	CCV	07/27/17 15:12		OK
11	CCB1	CCB1	CCB	07/27/17 15:12		OK
12	PB101015BL	PB101015BL	MB	07/27/17 15:12		OK
13	PB101015BS	PB101015BS	LCS	07/27/17 15:12		OK
14	I4465-01	OK-03-072617-A	SAM	07/27/17 15:12		OK
15	I4465-01DUP	OK-03-072617-ADUP	DUP	07/27/17 15:12		OK
16	I4465-01MS	OK-03-072617-AMS	MS	07/27/17 15:12		OK
17	I4465-01MSD	OK-03-072617-AMSD	MSD	07/27/17 15:12		OK
18	I4465-04	OK-03-072617-B	SAM	07/27/17 15:12		OK
19	I4466-01	HD-02-072617	SAM	07/27/17 15:20		OK
20	I4467-02	B-4(0-10)COMP	SAM	07/27/17 15:20		OK
21	I4472-01	TR-04-072617	SAM	07/27/17 15:20		OK

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Review By			Review On			
SubDirectory		LB89065		Test : Cyanide		
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ICAL Standard		WP56711,WP56712,WP56713,WP56714,WP56716,WP56717,WP56718,WP56720				
ICV Standard		W1541				
CCV Standard		WP56724				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP56722,WP55355,WP55836				
22	CCV2	CCV2	CCV	07/27/17 15:20		OK
23	CCB2	CCB2	CCB	07/27/17 15:20		OK
24	I4473-01	VNJ-202-286-280	SAM	07/27/17 15:20		OK
25	I4476-01	TP-8-LENOX-AVE	SAM	07/27/17 15:20		OK
26	I4476-05	TP-7-LENOX-AVE	SAM	07/27/17 15:20		OK
27	LOWPB101015	LOWPB101015	SAM	07/27/17 15:20		OK
28	HIGHPB101015	HIGHPB101015	SAM	07/27/17 15:20		OK
29	CCV3	CCV3	CCV	07/27/17 15:20		OK
30	CCB3	CCB3	CCB	07/27/17 15:22		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89065	Date Received:	
Client Sample ID:	HIGHPB101015	SDG No.:	LB89065
Lab Sample ID:	HIGHPB101015	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	0.49		1	0.003		0.005	mg/L		07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	OK-03-072617-A	SDG No.:	LB89065
Lab Sample ID:	I4465-01	Matrix:	Solid
Level (low/med):	low	% Solid:	97.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0075	U	1	0.033		0.25	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	OK-03-072617-B	SDG No.:	LB89065
Lab Sample ID:	I4465-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.03	U	1	0.033		0.25	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	HD-02-072617	SDG No.:	LB89065
Lab Sample ID:	I4466-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.012	U	1	0.036		0.27	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	B-4(0-10)COMP	SDG No.:	LB89065
Lab Sample ID:	I4467-02	Matrix:	Solid
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.037		0.28	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	TR-04-072617	SDG No.:	LB89065
Lab Sample ID:	I4472-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.039		0.29	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	VNJ-202-286-280	SDG No.:	LB89065
Lab Sample ID:	I4473-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.014	U	1	0.04		0.3	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	TP-8-LENOX-AVE	SDG No.:	LB89065
Lab Sample ID:	I4476-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0046	U	1	0.032		0.24	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/26/2017 12:00:00 AM
Project:	LB89065	Date Received:	7/26/2017 12:00:00 AM
Client Sample ID:	TP-7-LENOX-AVE	SDG No.:	LB89065
Lab Sample ID:	I4476-05	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.017	U	1	0.032		0.24	mg/Kg	07/27/2017	07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89065	Date Received:	
Client Sample ID:	LOWPB101015	SDG No.:	LB89065
Lab Sample ID:	LOWPB101015	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	0.0094		1	0.003		0.005	mg/L		07/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89065	Date Received:	
Client Sample ID:	LOWPB101015	SDG No.:	LB89065
Lab Sample ID:	LOWPB101015	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: LB89065

SDG No.: LB89065

Contract: _____ Lab Code: CHEM

Case No.: LB89065

SAS No.: LB89065

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		07/27/2017	15:12	LB89065
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		07/27/2017	15:20	LB89065
CCV3	Cyanide	0.24	0.25	96	0	90 - 110		07/27/2017	15:20	LB89065



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89065 **SDG No.:** LB89065
Contract: **Lab Code:** CHEM **Case No.:** LB89065 **SAS No.:** LB89065

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00041	+/-0.005	U		0.005		07/27/2017	15:12	LB89065



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89065

SDG No.: LB89065

Contract:

Lab Code: CHEM

Case No.: LB89065

SAS No.: LB89065

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0001	+/-0.005	U		0.005		07/27/2017	15:12	LB89065
CCB2	Cyanide	0.0001	+/-0.005	U		0.005		07/27/2017	15:20	LB89065
CCB3	Cyanide	0.00022	+/-0.005	U		0.005		07/27/2017	15:22	LB89065



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89065

SDG No.: LB89065

Contract: Lab Code: CHEM

Case No.: LB89065

SAS No.: LB89065

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: LB89065

SDG No.: LB89065

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
PB101015BL		SOLID		Batch Number:		PB101015		Prep Date:	07/27/2017	
	Cyanide	0.0025	<0.25	U		0.25		07/27/2017	15:12	LB89065



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89065 level: low sdg no.: LB89065
contract: lab code: CHEM case no.: LB89065 sas no.: LB89065
matrix: Solid sample id: I4465-01 client id: OK-03-072617-AMS
Percent Solids for Sample: 97.2 Spiked ID: I4465-01MS Percent Solids for Spike Sample: 97.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.033	U	2	85		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89065 level: low sdg no.: LB89065
contract: lab code: CHEM case no.: LB89065 sas no.: LB89065
matrix: Solid sample id: I4465-01 client id: OK-03-072617-AMSD
Percent Solids for Sample: 97.2 Spiked ID: I4465-01MSD Percent Solids for Spike Sample: 97.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.033	U	2	85		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89065 **Level:** LOW **SDG No.:** LB89065
Contract: **Lab Code:** CHEM **Case No.:** LB89065 **SAS No.:** LB89065
Matrix: Solid **Sample ID:** I4465-01 **Client ID:** OK-03-072617-ADUP
Percent Solids for Sample: 97.2 **Duplicate ID** I4465-01DUP **Percent Solids for Spike Sample:** 97.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.033	U	0.002	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB89065 **Level:** LOW **SDG No.:** LB89065
Contract: **Lab Code:** CHEM **Case No.:** LB89065 **SAS No.:** LB89065
Matrix: Solid **Sample ID:** I4465-01MS **Client ID:** OK-03-072617-AMSD
Percent Solids for Sample: 97.2 **Duplicate ID** I4465-01MSD **Percent Solids for Spike Sample:** 97.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.7		1.7		0		

