

Daily Analysis Runlog For Sequence/QC Batch ID # LB89921

Review By

Review On

SubDirectory

LB89921

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP57756,WP57757,WP57758,WP57759,WP57760,WP57761,WP57762,WP57763
ICV Standard	WP57765
CCV Standard	WP57766
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP57764,WP55355,WP55836

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/07/17 13:26		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/07/17 13:26		OK
3	10PPBCN	10PPBCN	CAL3	09/07/17 13:26		OK
4	50PPBCN	50PPBCN	CAL4	09/07/17 13:26		OK
5	100PPBCN	100PPBCN	CAL5	09/07/17 13:26		OK
6	250PPBCN	250PPBCN	CAL6	09/07/17 13:26		OK
7	500PPBCN	500PPBCN	CAL7	09/07/17 13:26		OK
8	ICV1	ICV1	ICV	09/07/17 14:05		OK
9	ICB1	ICB1	ICB	09/07/17 14:05		OK
10	CCV1	CCV1	CCV	09/07/17 14:05		OK
11	CCB1	CCB1	CCB	09/07/17 14:05		OK
12	PB102116BL	PB102116BL	MB	09/07/17 14:05		OK
13	PB102116BS	PB102116BS	LCS	09/07/17 14:05		OK
14	LOWPB102116	LOWPB102116	SAM	09/07/17 14:13		OK
15	HIGHPB102116	HIGHPB102116	SAM	09/07/17 14:13		OK
16	I5120-01	B-16(0-10)COMP	SAM	09/07/17 14:13		OK
17	I5120-01DUP	B-16(0-10)COMPDU	DUP	09/07/17 14:13		OK
18	I5120-01MS	B-16(0-10)COMPMS	MS	09/07/17 14:13		OK
19	I5120-01MSD	B-16(0-10)COMPMS	MSD	09/07/17 14:13		OK
20	I5122-01	SU-04-090617	SAM	09/07/17 14:13		OK
21	I5126-01	TR-05-090617	SAM	09/07/17 14:13		OK

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SubDirectory		Test : Cyanide				
LB89921						
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ICV Standard		WP57765				
CCV Standard		WP57766				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57764,WP55355,WP55836				
22	CCV2	CCV2	CCV	09/07/17 14:13		OK
23	CCB2	CCB2	CCB	09/07/17 14:18		OK
24	I5133-01	VNJ-204	SAM	09/07/17 14:19		OK
25	I5134-01	WC-CONCRETE-00	SAM	09/07/17 14:19		OK
26	I5137-01	TP-1-COMP	SAM	09/07/17 14:19		OK
27	CCV3	CCV3	CCV	09/07/17 14:19		OK
28	CCB3	CCB3	CCB	09/07/17 14:19		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89921	Date Received:	
Client Sample ID:	HIGHPB102116	SDG No.:	LB89921
Lab Sample ID:	HIGHPB102116	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		09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	B-16(0-10)COMP	SDG No.:	LB89921
Lab Sample ID:	I5120-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.00017	U	1	0.039		0.3	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	SU-04-090617	SDG No.:	LB89921
Lab Sample ID:	I5122-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.079	U	1	0.037		0.28	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	TR-05-090617	SDG No.:	LB89921
Lab Sample ID:	I5126-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.038	U	1	0.035		0.27	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	VNJ-204	SDG No.:	LB89921
Lab Sample ID:	I5133-01	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.48		1	0.033		0.25	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	WC-CONCRETE-001	SDG No.:	LB89921
Lab Sample ID:	I5134-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0043	U	1	0.034		0.26	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/6/2017 12:00:00 AM
Project:	LB89921	Date Received:	9/6/2017 12:00:00 AM
Client Sample ID:	TP-1-COMP	SDG No.:	LB89921
Lab Sample ID:	I5137-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0077	U	1	0.037		0.28	mg/Kg	09/07/2017	09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89921	Date Received:	
Client Sample ID:	LOWPB102116	SDG No.:	LB89921
Lab Sample ID:	LOWPB102116	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	0.0095		1	0.003		0.005	mg/L		09/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89921	Date Received:	
Client Sample ID:	LOWPB102116	SDG No.:	LB89921
Lab Sample ID:	LOWPB102116	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: LB89921

SDG No.: LB89921

Contract: _____ Lab Code: CHEM

Case No.: LB89921

SAS No.: LB89921

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	0.25	0.25	100	0	90 - 110		09/07/2017	14:05	LB89921
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		09/07/2017	14:13	LB89921
CCV3	Cyanide	0.26	0.25	104	0	90 - 110		09/07/2017	14:19	LB89921



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89921 **SDG No.:** LB89921
Contract: **Lab Code:** CHEM **Case No.:** LB89921 **SAS No.:** LB89921

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00042	+/-0.005	U		0.005		09/07/2017	14:05	LB89921



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89921

SDG No.: LB89921

Contract:

Lab Code: CHEM

Case No.: LB89921

SAS No.: LB89921

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00051	+/-0.005	U		0.005		09/07/2017	14:05	LB89921
CCB2	Cyanide	-0.00013	+/-0.005	U		0.005		09/07/2017	14:18	LB89921
CCB3	Cyanide	0.00022	+/-0.005	U		0.005		09/07/2017	14:19	LB89921



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89921

SDG No.: LB89921

Contract: Lab Code: CHEM

Case No.: LB89921

SAS No.: LB89921

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: LB89921

SDG No.: LB89921

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
PB102116BL	Cyanide	SOLID -0.027	<0.24	Batch Number: U		PB102116 0.24		Prep Date: 09/07/2017	09/07/2017 14:05	LB89921



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89921 level: low sdg no.: LB89921
contract: lab code: CHEM case no.: LB89921 sas no.: LB89921
matrix: Solid sample id: I5120-01 client id: B-16(0-10)COMPMS
Percent Solids for Sample: 81.2 Spiked ID: I5120-01MS Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.3		0.039	U	2.4	95.8		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89921 level: low sdg no.: LB89921
contract: lab code: CHEM case no.: LB89921 sas no.: LB89921
matrix: Solid sample id: I5120-01 client id: B-16(0-10)COMPMSD
Percent Solids for Sample: 81.2 Spiked ID: I5120-01MSD Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.039	U	2.4	91.7		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89921 **Level:** LOW **SDG No.:** LB89921
Contract: **Lab Code:** CHEM **Case No.:** LB89921 **SAS No.:** LB89921
Matrix: Solid **Sample ID:** I5120-01 **Client ID:** B-16(0-10)COMPDUP
Percent Solids for Sample: 81.2 **Duplicate ID** I5120-01DUP **Percent Solids for Spike Sample:** 81.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.039	U	0.0054	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89921 **Level:** LOW **SDG No.:** LB89921
Contract: **Lab Code:** CHEM **Case No.:** LB89921 **SAS No.:** LB89921
Matrix: Solid **Sample ID:** I5120-01MS **Client ID:** B-16(0-10)COMPMSD
Percent Solids for Sample: 81.2 **Duplicate ID** I5120-01MSD **Percent Solids for Spike Sample:** 81.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.3		2.2		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89921

SDG No.: LB89921

Contract:

Lab Code: CHEM

Case No.: LB89921

SAS No.: LB89921

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102116BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	