

Daily Analysis Runlog For Sequence/QC Batch ID # LB92468

Review By		Review On				
SubDirectory		LB92468		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60700,WP60701,WP60702,WP60703,WP60704,WP60705,WP60706				
ICV Standard		W1541				
CCV Standard		WP60707				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60709,WP59958,WP60150				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/03/18 10:58		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/03/18 10:58		OK
3	10PPBCN	10PPBCN	CAL3	01/03/18 10:58		OK
4	50PPBCN	50PPBCN	CAL4	01/03/18 10:58		OK
5	100PPBCN	100PPBCN	CAL5	01/03/18 10:58		OK
6	250PPBCN	250PPBCN	CAL6	01/03/18 10:58		OK
7	500PPBCN	500PPBCN	CAL7	01/03/18 10:58		OK
8	ICV1	ICV1	ICV	01/03/18 11:45		OK
9	ICB1	ICB1	ICB	01/03/18 11:45		OK
10	CCV1	CCV1	CCV	01/03/18 11:45		OK
11	CCB1	CCB1	CCB	01/03/18 11:45		OK
12	PB105444BL	PB105444BL	MB	01/03/18 11:45		OK
13	PB105444BS	PB105444BS	LCS	01/03/18 11:45		OK
14	LOWPB105444	LOWPB105444	SAM	01/03/18 11:46		OK
15	HIGHPB105444	HIGHPB105444	SAM	01/03/18 11:53		OK
16	I7105-01	RT4644	SAM	01/03/18 11:53		OK
17	I7105-01DUP	RT4644DUP	DUP	01/03/18 11:53		OK
18	I7105-01MS	RT4644MS	MS	01/03/18 11:53		OK
19	I7105-01MSD	RT4644MSD	MSD	01/03/18 11:53		OK
20	I7105-03	RT4651	SAM	01/03/18 11:53		OK
21	I7105-05	RT1500	SAM	01/03/18 11:53		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB92468

Review By		Review On				
SubDirectory		LB92468		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60700,WP60701,WP60702,WP60703,WP60704,WP60705,WP60706				
ICV Standard		W1541				
CCV Standard		WP60707				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60709,WP59958,WP60150				
22	CCV2	CCV2	CCV	01/03/18 11:53		OK
23	CCB2	CCB2	CCB	01/03/18 11:53		OK
24	J1003-01	B-10(0-10)COMP	SAM	01/03/18 11:53		OK
25	J1019-01	EO-01-010218-A	SAM	01/03/18 11:53		OK
26	J1019-03	EO-01-010218-B	SAM	01/03/18 11:58		OK
27	J1022-01	SU-03-010218	SAM	01/03/18 11:58		OK
28	CCV3	CCV3	CCV	01/03/18 11:58		OK
29	CCB3	CCB3	CCB	01/03/18 11:58		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92468	Date Received:	
Client Sample ID:	HIGHPB105444	SDG No.:	LB92468
Lab Sample ID:	HIGHPB105444	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		01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	12/29/2017 12:00:00 AM
Project:	LB92468	Date Received:	12/29/2017 12:00:00 AM
Client Sample ID:	RT4644	SDG No.:	LB92468
Lab Sample ID:	I7105-01	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	0.0054	U	1	0.034		0.26	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	12/29/2017 12:00:00 AM
Project:	LB92468	Date Received:	12/29/2017 12:00:00 AM
Client Sample ID:	RT4651	SDG No.:	LB92468
Lab Sample ID:	I7105-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.051	J	1	0.036		0.27	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	12/29/2017 12:00:00 AM
Project:	LB92468	Date Received:	12/29/2017 12:00:00 AM
Client Sample ID:	RT1500	SDG No.:	LB92468
Lab Sample ID:	I7105-05	Matrix:	Solid
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.013	U	1	0.035		0.26	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92468	Date Received:	1/2/2018 12:00:00 AM
Client Sample ID:	B-10(0-10)COMP	SDG No.:	LB92468
Lab Sample ID:	J1003-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.059	J	1	0.036		0.27	mg/Kg	01/03/2018	01/03/2018	9012B

Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92468	Date Received:	1/2/2018 12:00:00 AM
Client Sample ID:	EO-01-010218-A	SDG No.:	LB92468
Lab Sample ID:	J1019-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	7.9		1	0.038		0.29	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92468	Date Received:	1/2/2018 12:00:00 AM
Client Sample ID:	EO-01-010218-B	SDG No.:	LB92468
Lab Sample ID:	J1019-03	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.049	J	1	0.038		0.29	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92468	Date Received:	1/2/2018 12:00:00 AM
Client Sample ID:	SU-03-010218	SDG No.:	LB92468
Lab Sample ID:	J1022-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.073	J	1	0.038		0.29	mg/Kg	01/03/2018	01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92468	Date Received:	
Client Sample ID:	LOWPB105444	SDG No.:	LB92468
Lab Sample ID:	LOWPB105444	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		01/03/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92468	Date Received:	
Client Sample ID:	LOWPB105444	SDG No.:	LB92468
Lab Sample ID:	LOWPB105444	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



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92468 **SDG No.:** LB92468
Contract: **Lab Code:** CHEM **Case No.:** LB92468 **SAS No.:** LB92468

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0002	+/-0.005	U		0.005		01/03/2018	11:45	LB92468



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92468

SDG No.: LB92468

Contract:

Lab Code: CHEM

Case No.: LB92468

SAS No.: LB92468

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0003	+/-0.005	U		0.005		01/03/2018	11:45	LB92468
CCB2	Cyanide	0.00017	+/-0.005	U		0.005		01/03/2018	11:53	LB92468
CCB3	Cyanide	0.00015	+/-0.005	U		0.005		01/03/2018	11:58	LB92468



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92468

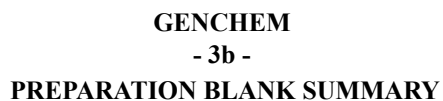
SDG No.: LB92468

Contract: Lab Code: CHEM

Case No.: LB92468

SAS No.: LB92468

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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SDG No.: LB92468

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB105444BL	Cyanide	SOLID -0.005	<0.24	Batch Number: U		PB105444 0.24		Prep Date: 01/03/2018	01/03/2018 11:45	LB92468



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MATRIX SPIKE SUMMARY

client: LB92468 level: low sdg no.: LB92468
contract: lab code: CHEM case no.: LB92468 sas no.: LB92468
matrix: Solid sample id: I7105-01 client id: RT4644MS
Percent Solids for Sample: 93.8 Spiked ID: I7105-01MS Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.034	U	2	85		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB92468 level: low sdg no.: LB92468
contract: lab code: CHEM case no.: LB92468 sas no.: LB92468
matrix: Solid sample id: I7105-01 client id: RT4644MSD
Percent Solids for Sample: 93.8 Spiked ID: I7105-01MSD Percent Solids for Spike Sample: 93.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.034	U	2.1	81		

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DUPLICATE SAMPLE SUMMARY

Client: LB92468 **Level:** LOW **SDG No.:** LB92468
Contract: **Lab Code:** CHEM **Case No.:** LB92468 **SAS No.:** LB92468
Matrix: Solid **Sample ID:** I7105-01 **Client ID:** RT4644DUP
Percent Solids for Sample: 93.8 **Duplicate ID** I7105-01DUP **Percent Solids for Spike Sample:** 93.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.034	U	-0.00065	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB92468 **Level:** LOW **SDG No.:** LB92468
Contract: **Lab Code:** CHEM **Case No.:** LB92468 **SAS No.:** LB92468
Matrix: Solid **Sample ID:** I7105-01MS **Client ID:** RT4644MSD
Percent Solids for Sample: 93.8 **Duplicate ID** I7105-01MSD **Percent Solids for Spike Sample:** 93.8

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



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92468

SDG No.: LB92468

Contract:

Lab Code: CHEM

Case No.: LB92468

SAS No.: LB92468

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105444BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	