

Daily Analysis Runlog For Sequence/QC Batch ID # LB92352

Review By		Review On				
SubDirectory		LB92352		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		wp60522,WP60523,WP60524,WP60525,WP60526,WP60527,WP60528				
ICV Standard		WP60530				
CCV Standard		WP60529				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60531,WP59958,WP60150				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/22/17 11:08		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/22/17 11:08		OK
3	10PPBCN	10PPBCN	CAL3	12/22/17 11:08		OK
4	50PPBCN	50PPBCN	CAL4	12/22/17 11:08		OK
5	100PPBCN	100PPBCN	CAL5	12/22/17 11:08		OK
6	250PPBCN	250PPBCN	CAL6	12/22/17 11:08		OK
7	500PPBCN	500PPBCN	CAL7	12/22/17 11:08		OK
8	ICV1	ICV1	ICV	12/22/17 14:06		OK
9	ICB1	ICB1	ICB	12/22/17 14:07		OK
10	CCV1	CCV1	CCV	12/22/17 14:07		OK
11	CCB1	CCB1	CCB	12/22/17 14:07		OK
12	PB105297BL	PB105297BL	MB	12/22/17 14:07		OK
13	I6677-10	OR-02-122117-A	SAM	12/22/17 14:07		OK
14	I6677-10DUP	OR-02-122117-ADUP	DUP	12/22/17 14:07		OK
15	I6677-12	OR-02-122117-B	SAM	12/22/17 14:12		OK
16	I7022-02	352	SAM	12/22/17 14:12		OK
17	I7022-04	72-11938	SAM	12/22/17 14:12		OK
18	I7022-07	160	SAM	12/22/17 14:12		OK
19	I7037-02	VNJ-221-OILY-STON	SAM	12/22/17 14:12		OK
20	CCV2	CCV2	CCV	12/22/17 14:12		OK
21	CCB2	CCB2	CCB	12/22/17 14:12		OK



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	OR-02-122117-A	SDG No.:	LB92352
Lab Sample ID:	I6677-10	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	0.0092	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	OR-02-122117-B	SDG No.:	LB92352
Lab Sample ID:	I6677-12	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	-0.0026	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B

Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	352	SDG No.:	LB92352
Lab Sample ID:	I7022-02	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	-0.0041	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B

Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	72-11938	SDG No.:	LB92352
Lab Sample ID:	I7022-04	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	-0.0027	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	160	SDG No.:	LB92352
Lab Sample ID:	I7022-07	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	-0.0017	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	VNJ-221-OILY-STONES	SDG No.:	LB92352
Lab Sample ID:	I7037-02	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	-0.00098	U	1	0.025		0.05	mg/Kg	12/22/2017	12/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92352	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	VNJ-221-OILY-STONES	SDG No.:	LB92352
Lab Sample ID:	I7037-02	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: LB92352

SDG No.: LB92352

Contract: _____ Lab Code: CHEM

Case No.: LB92352

SAS No.: LB92352

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	0.098	0.099	99	0	85 - 115		12/22/2017	14:06	lb92352



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92352

SDG No.: LB92352

Contract: _____ Lab Code: CHEM

Case No.: LB92352

SAS No.: LB92352

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		12/22/2017	14:07	lb92352
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/22/2017	14:12	lb92352



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92352 **SDG No.:** LB92352
Contract: **Lab Code:** CHEM **Case No.:** LB92352 **SAS No.:** LB92352

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0013	+/-0.005	U		0.005		12/22/2017	14:07	lb92352

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00074	+/-0.005	U		0.005		12/22/2017	14:07	lb92352
CCB2	Reactive Cyanide	0.00059	+/-0.005	U		0.005		12/22/2017	14:12	lb92352



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92352

SDG No.: LB92352

Contract: Lab Code: CHEM

Case No.: LB92352

SAS No.: LB92352

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: LB92352

SDG No.: LB92352

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
PB105297BL	Reactive Cyanide	SOLID 0.013	<0.05	Batch Number: U		PB105297 0.05		Prep Date: 12/22/2017	12/22/2017 14:07	lb92352

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DUPLICATE SAMPLE SUMMARY

Client: LB92352 **Level:** LOW **SDG No.:** LB92352
Contract: **Lab Code:** CHEM **Case No.:** LB92352 **SAS No.:** LB92352
Matrix: Solid **Sample ID:** I6677-10 **Client ID:** OR-02-122117-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I6677-10DUP **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	0.0019	U			