

Daily Analysis Runlog For Sequence/QC Batch ID # LB90697

Review By

SubDirectory

Review On

Test : Reactive Cyanide

LB90697

STD. NAME		STD REF.#				
ICAL Standard		WP58658,WP58659,WP58660,WP58661,WP58662,WP58663,WP58656				
ICV Standard		WP58665				
CCV Standard		WP58664				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58666,WP55355,WP55836				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/10/17 09:25		OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/10/17 09:25		OK
3	10PPBCN	10PPBCN	CAL3	10/10/17 09:25		OK
4	50PPBCN	50PPBCN	CAL4	10/10/17 09:25		OK
5	100PPBCN	100PPBCN	CAL5	10/10/17 09:25		OK
6	250PPBCN	250PPBCN	CAL6	10/10/17 09:25		OK
7	500PPBCN	500PPBCN	CAL7	10/10/17 09:25		OK
8	ICV1	ICV1	ICV	10/10/17 13:40		OK
9	ICB1	ICB1	ICB	10/10/17 13:40		OK
10	CCV1	CCV1	CCV	10/10/17 13:40		OK
11	CCB1	CCB1	CCB	10/10/17 13:40		OK
12	PB103134BL	PB103134BL	MB	10/10/17 13:41		OK
13	I5766-02	RS-FRACTANK	SAM	10/10/17 13:41		OK
14	I5766-02DUP	RS-FRACTANKDUP	DUP	10/10/17 13:47		OK
15	PB103133BL	PB103133BL	MB	10/10/17 13:47		OK
16	I5763-04	220-2(2TRH)-COMP	SAM	10/10/17 13:47		OK
17	I5763-04DUP	220-2(2TRH)-COMP	DUP	10/10/17 13:47		OK
18	I5765-03	BU-03-100917	SAM	10/10/17 13:47		OK
19	I5766-07	RS-CONCRETE	SAM	10/10/17 13:47		OK
20	CCV2	CCV2	CCV	10/10/17 13:47		OK
21	CCB2	CCB2	CCB	10/10/17 13:47		OK



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Report of Analysis

Client:		Date Collected:	10/9/2017 12:00:00 AM
Project:	LB90697	Date Received:	10/9/2017 12:00:00 AM
Client Sample ID:	220-2(2TRH)-COMP	SDG No.:	LB90697
Lab Sample ID:	I5763-04	Matrix:	Solid
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0013	U	1	0.025		0.05	mg/Kg	10/10/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/9/2017 12:00:00 AM
Project:	LB90697	Date Received:	10/9/2017 12:00:00 AM
Client Sample ID:	BU-03-100917	SDG No.:	LB90697
Lab Sample ID:	I5765-03	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	0.0047	U	1	0.025		0.05	mg/Kg	10/10/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/9/2017 12:00:00 AM
Project:	LB90697	Date Received:	10/9/2017 12:00:00 AM
Client Sample ID:	RS-FRACTANK	SDG No.:	LB90697
Lab Sample ID:	I5766-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00067	U	1	0.0025		0.005	mg/L	10/10/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/9/2017 12:00:00 AM
Project:	LB90697	Date Received:	10/9/2017 12:00:00 AM
Client Sample ID:	RS-CONCRETE	SDG No.:	LB90697
Lab Sample ID:	I5766-07	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	0.012	U	1	0.025		0.049	mg/Kg	10/10/2017	10/10/2017	9012B



Report of Analysis

Client:		Date Collected:	10/9/2017 12:00:00 AM
Project:	LB90697	Date Received:	10/9/2017 12:00:00 AM
Client Sample ID:	RS-CONCRETE	SDG No.:	LB90697
Lab Sample ID:	I5766-07	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90697

SDG No.: LB90697

Contract: _____

Lab Code: CHEM

Case No.: LB90697

SAS No.: LB90697

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		10/10/2017	13:40	LB90697



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90697

SDG No.: LB90697

Contract: _____ Lab Code: CHEM

Case No.: LB90697

SAS No.: LB90697

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		10/10/2017	13:40	LB90697
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		10/10/2017	13:47	LB90697



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90697

SDG No.: LB90697

Contract:

Lab Code: CHEM

Case No.: LB90697

SAS No.: LB90697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00066	+/-0.005	U		0.005		10/10/2017	13:40	LB90697



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90697

SDG No.: LB90697

Contract:

Lab Code: CHEM

Case No.: LB90697

SAS No.: LB90697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00096	+/-0.005	U		0.005		10/10/2017	13:40	LB90697
CCB2	Reactive Cyanide	0.0016	+/-0.005	U		0.005		10/10/2017	13:47	LB90697



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90697

SDG No.: LB90697

Contract: Lab Code: CHEM

Case No.: LB90697

SAS No.: LB90697

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: LB90697

SDG No.: LB90697

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
PB103133BL	Reactive Cyanide	SOLID		Batch Number:		PB103133		Prep Date:	10/10/2017	
		0.0062	<0.05	U		0.05		10/10/2017	13:47	LB90697
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB103134BL	Reactive Cyanide	WATER		Batch Number:		PB103134		Prep Date:	10/10/2017	
		0.00087	<0.005	U		0.005		10/10/2017	13:41	LB90697

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DUPLICATE SAMPLE SUMMARY

Client: LB90697 **Level:** LOW **SDG No.:** LB90697
Contract: **Lab Code:** CHEM **Case No.:** LB90697 **SAS No.:** LB90697
Matrix: Solid **Sample ID:** I5763-04 **Client ID:** 220-2(2TRH)-COMPDUP
Percent Solids for Sample: 84.3 **Duplicate ID** I5763-04DUP **Percent Solids for Spike Sample:** 84.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.0084	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB90697 **Level:** LOW **SDG No.:** LB90697
Contract: **Lab Code:** CHEM **Case No.:** LB90697 **SAS No.:** LB90697
Matrix: WATER **Sample ID:** I5766-02 **Client ID:** RS-FRACTANKDUP
Percent Solids for Sample: 0 **Duplicate ID** I5766-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	0.0014	U			