

Daily Analysis Runlog For Sequence/QC Batch ID # LB88221

Review By		Review On				
SubDirectory		LB88221		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55795,WP55796,WP55797,WP55798,WP55799,WP55800,WP55801,WP55802				
ICV Standard		WP55805				
CCV Standard		WP55804				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55803,WP51626,WP55355				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/20/17 09:39		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/20/17 09:39		OK
3	10PPBCN	10PPBCN	CAL3	06/20/17 09:39		OK
4	50PPBCN	50PPBCN	CAL4	06/20/17 09:39		OK
5	100PPBCN	100PPBCN	CAL5	06/20/17 09:39		OK
6	250PPBCN	250PPBCN	CAL6	06/20/17 09:39		OK
7	500PPBCN	500PPBCN	CAL7	06/20/17 09:39		OK
8	ICV1	ICV1	ICV	06/20/17 14:37		OK
9	ICB1	ICB1	ICB	06/20/17 14:37		OK
10	CCV1	CCV1	CCV	06/20/17 14:37		OK
11	CCB1	CCB1	CCB	06/20/17 14:37		OK
12	PB99945BL	PB99945BL	MB	06/20/17 14:37		OK
13	I3762-03	SA-RO-0033-061617	SAM	06/20/17 14:37		OK
14	I3762-03DUP	SA-RO-0033-061617	DUP	06/20/17 14:37		OK
15	I3777-01	GHD-WC-S-1-0-52	SAM	06/20/17 14:37		OK
16	I3781-07	SB-09-COMP	SAM	06/20/17 14:37		OK
17	I3781-08	SB-01-COMP	SAM	06/20/17 14:37		OK
18	CCV2	CCV2	CCV	06/20/17 14:37		OK
19	CCB2	CCB2	CCB	06/20/17 14:40		OK



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88221	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	SA-RO-0033-061617	SDG No.:	LB88221
Lab Sample ID:	I3762-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0086	U	1	0.025		0.05	mg/Kg	06/20/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88221	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	GHD-WC-S-1-0-52	SDG No.:	LB88221
Lab Sample ID:	I3777-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.005	U	1	0.025		0.05	mg/Kg	06/20/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88221	Date Received:	6/19/2017 12:00:00 AM
Client Sample ID:	SB-09-COMP	SDG No.:	LB88221
Lab Sample ID:	I3781-07	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	-0.0081	U	1	0.025		0.05	mg/Kg	06/20/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88221	Date Received:	6/19/2017 12:00:00 AM
Client Sample ID:	SB-01-COMP	SDG No.:	LB88221
Lab Sample ID:	I3781-08	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	-0.0063	U	1	0.025		0.05	mg/Kg	06/20/2017	06/20/2017	9012B



Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88221	Date Received:	6/19/2017 12:00:00 AM
Client Sample ID:	SB-01-COMP	SDG No.:	LB88221
Lab Sample ID:	I3781-08	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: LB88221

SDG No.: LB88221

Contract: _____

Lab Code: CHEM

Case No.: LB88221

SAS No.: LB88221

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	0.095	0.099	96	0	85 - 115		06/20/2017	14:37	LB88221



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88221

SDG No.: LB88221

Contract: _____ Lab Code: CHEM

Case No.: LB88221

SAS No.: LB88221

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	0.24	0.25	96	0	90 - 110		06/20/2017	14:37	LB88221
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		06/20/2017	14:37	LB88221



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88221

SDG No.: LB88221

Contract:

Lab Code: CHEM

Case No.: LB88221

SAS No.: LB88221

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00021	+/-0.005	U		0.005		06/20/2017	14:37	LB88221



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88221

SDG No.: LB88221

Contract:

Lab Code: CHEM

Case No.: LB88221

SAS No.: LB88221

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0	+/-0.005	U		0.005		06/20/2017	14:37	LB88221
CCB2	Reactive Cyanide	-0.00033	+/-0.005	U		0.005		06/20/2017	14:40	LB88221



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88221

SDG No.: LB88221

Contract: Lab Code: CHEM

Case No.: LB88221

SAS No.: LB88221

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: LB88221

SDG No.: LB88221

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
PB99945BL	Reactive Cyanide	SOLID -0.0022	<0.05	Batch Number: U		PB99945 0.05		Prep Date: 06/20/2017	06/20/2017 14:37	LB88221

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DUPLICATE SAMPLE SUMMARY

Client: LB88221 **Level:** LOW **SDG No.:** LB88221
Contract: **Lab Code:** CHEM **Case No.:** LB88221 **SAS No.:** LB88221
Matrix: Solid **Sample ID:** I3762-03 **Client ID:** SA-RO-0033-061617DUP
Percent Solids for Sample: 94.4 **Duplicate ID** I3762-03DUP **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0037	U			