

Daily Analysis Runlog For Sequence/QC Batch ID # LB96083

Review By		Review On				
SubDirectory		LB96083		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65378,WP65379,WP65380,WP65381,WP65382,WP65383,WP65384				
ICV Standard		WP65386				
CCV Standard		WP65385				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65387,WP64695,WP64696				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/18/18 13:31		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/18/18 13:31		OK
3	10PPBCN	10PPBCN	CAL3	06/18/18 13:31		OK
4	50PPBCN	50PPBCN	CAL4	06/18/18 13:31		OK
5	100PPBCN	100PPBCN	CAL5	06/18/18 13:31		OK
6	250PPBCN	250PPBCN	CAL6	06/18/18 13:31		OK
7	500PPBCN	500PPBCN	CAL7	06/18/18 13:31		OK
8	ICV1	ICV1	ICV	06/18/18 14:00		OK
9	ICB1	ICB1	ICB	06/18/18 14:00		OK
10	CCV1	CCV1	CCV	06/18/18 14:00		OK
11	CCB1	CCB1	CCB	06/18/18 14:00		OK
12	PB110325BL	PB110325BL	MB	06/18/18 14:00		OK
13	J3240-04	BU-01-061518	SAM	06/18/18 14:00		OK
14	J3240-04DUP	BU-01-061518DUP	DUP	06/18/18 14:00		OK
15	J3244-02	HD-01-061518	SAM	06/18/18 14:00		OK
16	J3538-06	SS-T-4-STONE	SAM	06/18/18 14:00		OK
17	J3538-12	SS-T-5-STONE	SAM	06/18/18 14:00		OK
18	J3551-05	OILY-SOIL	SAM	06/18/18 14:00		OK
19	J3566-04	TP-8-S	SAM	06/18/18 14:07		OK
20	J3566-08	TP-8-D	SAM	06/18/18 14:07		OK
21	J3566-12	TP-7	SAM	06/18/18 14:07		OK

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ICV Standard		WP65386				
CCV Standard		WP65385				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65387,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/18/18 14:07		OK
23	CCB2	CCB2	CCB	06/18/18 14:07		OK
24	J3566-16	TP-6-S	SAM	06/18/18 14:07		OK
25	J3566-20	TP-6-D	SAM	06/18/18 14:07		OK
26	J3567-04	TP-5-S	SAM	06/18/18 14:07		OK
27	J3567-08	TP-5-D	SAM	06/18/18 14:07		OK
28	J3567-12	TP-11-S	SAM	06/18/18 14:07		OK
29	PB110326BL	PB110326BL	MB	06/18/18 14:07		OK
30	J3532-02	OILY-WATER-DRUM	SAM	06/18/18 14:12		OK
31	J3532-02DUP	OILY-WATER-DRUM	DUP	06/18/18 14:12		OK
32	CCV3	CCV3	CCV	06/18/18 14:12		OK
33	CCB3	CCB3	CCB	06/18/18 14:12		OK



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	BU-01-061518	SDG No.:	LB96083
Lab Sample ID:	J3240-04	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	0.0042	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	HD-01-061518	SDG No.:	LB96083
Lab Sample ID:	J3244-02	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	0.0035	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	OILY-WATER-DRUMS-1-2	SDG No.:	LB96083
Lab Sample ID:	J3532-02	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	0.00031	U	1	0.0025		0.005	mg/L	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	SS-T-4-STONE	SDG No.:	LB96083
Lab Sample ID:	J3538-06	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	0.0015	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	SS-T-5-STONE	SDG No.:	LB96083
Lab Sample ID:	J3538-12	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	0.00011	U	1	0.025		0.049	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	OILY-SOIL	SDG No.:	LB96083
Lab Sample ID:	J3551-05	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	-0.0028	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/14/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-8-S	SDG No.:	LB96083
Lab Sample ID:	J3566-04	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	-0.0013	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B

Report of Analysis

Client:		Date Collected:	6/14/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-8-D	SDG No.:	LB96083
Lab Sample ID:	J3566-08	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	-0.0027	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/14/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-7	SDG No.:	LB96083
Lab Sample ID:	J3566-12	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	0.004	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/14/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-6-S	SDG No.:	LB96083
Lab Sample ID:	J3566-16	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	0.00085	U	1	0.025		0.049	mg/Kg	06/18/2018	06/18/2018	9012B

Report of Analysis

Client:		Date Collected:	6/14/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-6-D	SDG No.:	LB96083
Lab Sample ID:	J3566-20	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	-0.0043	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-5-S	SDG No.:	LB96083
Lab Sample ID:	J3567-04	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	-0.0093	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-5-D	SDG No.:	LB96083
Lab Sample ID:	J3567-08	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	0.0011	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-11-S	SDG No.:	LB96083
Lab Sample ID:	J3567-12	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	-0.00065	U	1	0.025		0.05	mg/Kg	06/18/2018	06/18/2018	9012B

Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96083	Date Received:	6/15/2018 12:00:00 AM
Client Sample ID:	TP-11-S	SDG No.:	LB96083
Lab Sample ID:	J3567-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis	Analysis	Run
		mg/L		Recovery	Window (%R)		Date	Time	Number
ICV1	Reactive Cyanide	0.097	0.099	98	85 - 115		06/18/2018	14:00	1b96083



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96083

SDG No.: LB96083

Contract: _____ Lab Code: CHEM

Case No.: LB96083

SAS No.: LB96083

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.25	0.25	100		90 - 110		06/18/2018	14:00	lb96083
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		06/18/2018	14:07	lb96083
CCV3	Reactive Cyanide	0.26	0.25	104		90 - 110		06/18/2018	14:12	lb96083

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0001	+/-0.005	U		0.005		06/18/2018	14:00	lb96083
CCB2	Reactive Cyanide	0.0001	+/-0.005	U		0.005		06/18/2018	14:07	lb96083
CCB3	Reactive Cyanide	0.00015	+/-0.005	U		0.005		06/18/2018	14:12	lb96083



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96083

SDG No.: LB96083

Contract: Lab Code: CHEM

Case No.: LB96083

SAS No.: LB96083

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: LB96083

SDG No.: LB96083

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
PB110325BL	Reactive Cyanide	SOLID		Batch Number:		PB110325		Prep Date:	06/18/2018	
		-0.00019	<0.05	U		0.05		06/18/2018	14:00	lb96083
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB110326BL	Reactive Cyanide	WATER		Batch Number:		PB110326		Prep Date:	06/18/2018	
		-0.0001	<0.005	U		0.005		06/18/2018	14:07	lb96083

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DUPLICATE SAMPLE SUMMARY

Client: LB96083 **Level:** LOW **SDG No.:** LB96083
Contract: **Lab Code:** CHEM **Case No.:** LB96083 **SAS No.:** LB96083
Matrix: Solid **Sample ID:** J3240-04 **Client ID:** BU-01-061518DUP
Percent Solids for Sample: 100 **Duplicate ID** J3240-04DUP **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	-0.0017	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB96083 Level: LOW SDG No.: LB96083
Contract: Lab Code: CHEM Case No.: LB96083 SAS No.: LB96083
Matrix: WATER Sample ID: J3532-02 Client ID: OILY-WATER-DRUMS-1-2DUP
Percent Solids for Sample: 0 Duplicate ID J3532-02DUP 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	-0.00012	U			