

Daily Analysis Runlog For Sequence/QC Batch ID # LB88735

Review By		Review On				
SubDirectory		LB88735		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56439,WP56440,WP56441,WP56442,WP56443,WP56444,WP56445				
ICV Standard		WP56448				
CCV Standard		WP56447				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP56446,WP55836,WP55355				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/14/17 11:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/14/17 11:38		OK
3	10PPBCN	10PPBCN	CAL3	07/14/17 11:38		OK
4	50PPBCN	50PPBCN	CAL4	07/14/17 11:38		OK
5	100PPBCN	100PPBCN	CAL5	07/14/17 11:38		OK
6	250PPBCN	250PPBCN	CAL6	07/14/17 11:38		OK
7	500PPBCN	500PPBCN	CAL7	07/14/17 11:38		OK
8	ICV1	ICV1	ICV	07/14/17 12:08		OK
9	ICB1	ICB1	ICB	07/14/17 12:08		OK
10	CCV1	CCV1	CCV	07/14/17 12:08		OK
11	CCB1	CCB1	CCB	07/14/17 12:08		OK
12	PB100648BL	PB100648BL	MB	07/14/17 12:08		OK
13	I4176-05	VNJ-225-241-72-119	SAM	07/14/17 12:08		OK
14	I4176-05DUP	VNJ-225-241-72-119	DUP	07/14/17 12:08		OK
15	I4176-08	72-12003	SAM	07/14/17 12:08		OK
16	I4185-02	HDD-PILWC1	SAM	07/14/17 12:08		OK
17	I4188-03	B1(0-10)COMP	SAM	07/14/17 12:08		OK
18	I4193-03	TR-04-071317	SAM	07/14/17 12:08		OK
19	I4201-04	TP-2-RIVER-ROAD	SAM	07/14/17 12:12		OK
20	CCV2	CCV2	CCV	07/14/17 12:12		OK
21	CCB2	CCB2	CCB	07/14/17 12:12		OK



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	VNJ-225-241-72-11938-COMP	SDG No.:	LB88735
Lab Sample ID:	I4176-05	Matrix:	Solid
Level (low/med):	low	% Solid:	71.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00028	U	1	0.025		0.05	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	72-12003	SDG No.:	LB88735
Lab Sample ID:	I4176-08	Matrix:	Solid
Level (low/med):	low	% Solid:	75.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00091	U	1	0.025		0.05	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	HDD-PILWC1	SDG No.:	LB88735
Lab Sample ID:	I4185-02	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	-0.00048	U	1	0.025		0.05	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	B1(0-10)COMP	SDG No.:	LB88735
Lab Sample ID:	I4188-03	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	0.001	U	1	0.025		0.05	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	TR-04-071317	SDG No.:	LB88735
Lab Sample ID:	I4193-03	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00043	U	1	0.025		0.05	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	TP-2-RIVER-ROAD	SDG No.:	LB88735
Lab Sample ID:	I4201-04	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

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	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88735	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	TP-2-RIVER-ROAD	SDG No.:	LB88735
Lab Sample ID:	I4201-04	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

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: LB88735

SDG No.: LB88735

Contract: _____ Lab Code: CHEM

Case No.: LB88735

SAS No.: LB88735

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	0.093	0.099	93.9	0	85 - 115		07/14/2017	12:08	LB88735



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88735

SDG No.: LB88735

Contract: _____ Lab Code: CHEM

Case No.: LB88735

SAS No.: LB88735

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		07/14/2017	12:08	LB88735
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		07/14/2017	12:12	LB88735



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88735

SDG No.: LB88735

Contract:

Lab Code: CHEM

Case No.: LB88735

SAS No.: LB88735

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00064	+/-0.005	U		0.005		07/14/2017	12:08	LB88735



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88735

SDG No.: LB88735

Contract:

Lab Code: CHEM

Case No.: LB88735

SAS No.: LB88735

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00038	+/-0.005	U		0.005		07/14/2017	12:08	LB88735
CCB2	Reactive Cyanide	0.00058	+/-0.005	U		0.005		07/14/2017	12:12	LB88735



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88735

SDG No.: LB88735

Contract: Lab Code: CHEM

Case No.: LB88735

SAS No.: LB88735

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: LB88735

SDG No.: LB88735

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
PB100648BL	Reactive Cyanide	SOLID 0.0016	<0.05	Batch Number: U		PB100648 0.05		Prep Date: 07/14/2017	07/14/2017 12:08	LB88735

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DUPLICATE SAMPLE SUMMARY

Client: LB88735 **Level:** LOW **SDG No.:** LB88735
Contract: **Lab Code:** CHEM **Case No.:** LB88735 **SAS No.:** LB88735
Matrix: Solid **Sample ID:** I4176-05 **Client ID:** VNJ-225-241-72-11938-COMPDUP
Percent Solids for Sample: 71.9 **Duplicate ID** I4176-05DUP **Percent Solids for Spike Sample:** 71.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.00023	U			