



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86493

SDG No.: LB86493

Contract: _____ Lab Code: CHEM

Case No.: LB86493

SAS No.: LB86493

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		03/22/2017	15:49	LB86493
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		03/22/2017	15:53	LB86493



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86493

SDG No.: LB86493

Contract:

Lab Code: CHEM

Case No.: LB86493

SAS No.: LB86493

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0003	+/-0.005	U		0.005		03/22/2017	15:49	LB86493



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86493

SDG No.: LB86493

Contract:

Lab Code: CHEM

Case No.: LB86493

SAS No.: LB86493

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00091	+/-0.005	U		0.005		03/22/2017	15:50	LB86493
CCB2	Reactive Cyanide	0.00036	+/-0.005	U		0.005		03/22/2017	15:53	LB86493



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86493

SDG No.: LB86493

Contract: Lab Code: CHEM

Case No.: LB86493

SAS No.: LB86493

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	JFC-SOIL-COMP	SDG No.:	LB86493
Lab Sample ID:	I2348-09	Matrix:	Solid
Level (low/med):	low	% Solid:	81.9

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	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	VNJ-212-207-COMP	SDG No.:	LB86493
Lab Sample ID:	I2349-05	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

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	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	VNJ-202-217-227-COMP	SDG No.:	LB86493
Lab Sample ID:	I2350-05	Matrix:	Solid
Level (low/med):	low	% Solid:	84.8

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	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	VNJ-238-210-221-COMP	SDG No.:	LB86493
Lab Sample ID:	I2350-10	Matrix:	Solid
Level (low/med):	low	% Solid:	81.7

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	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	72-11937-VNJ-205-COMP	SDG No.:	LB86493
Lab Sample ID:	I2350-15	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0032	U	1	0.025		0.05	mg/Kg	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	72-11931-VNJ-226-213-COMP	SDG No.:	LB86493
Lab Sample ID:	I2350-20	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0021	U	1	0.025		0.05	mg/Kg	03/22/2017	03/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86493	Date Received:	3/21/2017 12:00:00 AM
Client Sample ID:	72-11931-VNJ-226-213-COMP	SDG No.:	LB86493
Lab Sample ID:	I2350-20	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

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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PREPARATION BLANK SUMMARY

Client: LB86493

SDG No.: LB86493

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
PB97743BL		SOLID		Batch Number:		PB97743		Prep Date:	03/22/2017	
	Reactive Cyanide	0.0014	<0.05	U		0.05		03/22/2017	15:50	LB86493

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DUPLICATE SAMPLE SUMMARY

Client: LB86493 **Level:** LOW **SDG No.:** LB86493
Contract: _____ **Lab Code:** CHEM **Case No.:** LB86493 **SAS No.:** LB86493
Matrix: Solid **Sample ID:** I2348-09 **Client ID:** JFC-SOIL-COMPDUP
Percent Solids for Sample: 81.9 **Duplicate ID** I2348-09DUP **Percent Solids for Spike Sample:** 81.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0072	U			