



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87032

SDG No.: LB87032

Contract: _____ Lab Code: CHEM

Case No.: LB87032

SAS No.: LB87032

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		04/24/2017	15:57	LB87032



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Client: LB87032

SDG No.: LB87032

Contract: _____ Lab Code: CHEM

Case No.: LB87032

SAS No.: LB87032

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	0.23	0.25	92	0	90 - 110		04/24/2017	15:57	LB87032
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		04/24/2017	16:14	LB87032



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB87032	SDG No.:	LB87032				
Contract:		Lab Code:	CHEM	Case No.:	LB87032	SAS No.:	LB87032

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00038	+/-0.005	U		0.005		04/24/2017	15:57	LB87032



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87032

SDG No.: LB87032

Contract:

Lab Code: CHEM

Case No.: LB87032

SAS No.: LB87032

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		04/24/2017	15:57	LB87032
CCB2	Reactive Cyanide	0	+/-0.005	U		0.005		04/24/2017	16:14	LB87032



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87032

SDG No.: LB87032

Contract: Lab Code: CHEM

Case No.: LB87032

SAS No.: LB87032

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/21/2017 12:00:00 AM
Project:	LB87032	Date Received:	4/21/2017 12:00:00 AM
Client Sample ID:	ROLLOFFS-156-VNJ213-155-160-342-COMP	SDG No.:	LB87032
Lab Sample ID:	I2790-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0054	U	1	0.025		0.05	mg/Kg	04/24/2017	04/24/2017	9012B

Report of Analysis

Client:		Date Collected:	4/21/2017 12:00:00 AM
Project:	LB87032	Date Received:	4/21/2017 12:00:00 AM
Client Sample ID:	ROLLOFFS-VNJ238-VNJ205-VNJ221-VNJ249-COMP	SDG No.:	LB87032
Lab Sample ID:	I2790-06	Matrix:	Solid
Level (low/med):	low	% Solid:	88.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0017	U	1	0.025		0.05	mg/Kg	04/24/2017	04/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	4/21/2017 12:00:00 AM
Project:	LB87032	Date Received:	4/21/2017 12:00:00 AM
Client Sample ID:	RINSE-WATER	SDG No.:	LB87032
Lab Sample ID:	I2792-02	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	-0.00054	U	1	0.0025		0.005	mg/L	04/24/2017	04/24/2017	9012B

Report of Analysis

Client:		Date Collected:	4/21/2017 12:00:00 AM
Project:	LB87032	Date Received:	4/21/2017 12:00:00 AM
Client Sample ID:	RINSE-WATER	SDG No.:	LB87032
Lab Sample ID:	I2792-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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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- 3b -
PREPARATION BLANK SUMMARY

Client: LB87032

SDG No.: LB87032

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
PB98410BL	SOLID			Batch Number:		PB98410		Prep Date:	04/24/2017	
	Reactive Cyanide	-0.0016	<0.05	U		0.05		04/24/2017	15:57	LB87032
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB98436BL	WATER			Batch Number:		PB98436		Prep Date:	04/24/2017	
	Reactive Cyanide	-0.00024	<0.005	U		0.005		04/24/2017	15:57	LB87032

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DUPLICATE SAMPLE SUMMARY

Client: LB87032 **Level:** LOW **SDG No.:** LB87032
Contract: **Lab Code:** CHEM **Case No.:** LB87032 **SAS No.:** LB87032
Matrix: Solid **Sample ID:** I2790-03 **Client ID:** ROLLOFFS-156-VNJ213-155-160-342-COMPDUJ
Percent Solids for Sample: 91 **Duplicate ID** I2790-03DUP **Percent Solids for Spike Sample:** 91

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0027	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB87032 **Level:** LOW **SDG No.:** LB87032
Contract: _____ **Lab Code:** CHEM **Case No.:** LB87032 **SAS No.:** LB87032
Matrix: WATER **Sample ID:** I2792-02 **Client ID:** RINSE-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** I2792-02DUP **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	-0.00016	U			