

Daily Analysis Runlog For Sequence/QC Batch ID # LB89571

Review By		Review On				
SubDirectory		LB89571		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57321,WP57322,WP57323,WP57324,WP57325,WP57326,WP57327,WP57328				
ICV Standard		WP57331				
CCV Standard		WP57330				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57329,WP55355,WP57315				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/17/17 13:26		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/17/17 13:26		OK
3	10PPBCN	10PPBCN	CAL3	08/17/17 13:26		OK
4	50PPBCN	50PPBCN	CAL4	08/17/17 13:26		OK
5	100PPBCN	100PPBCN	CAL5	08/17/17 13:26		OK
6	250PPBCN	250PPBCN	CAL6	08/17/17 13:26		OK
7	500PPBCN	500PPBCN	CAL7	08/17/17 13:26		OK
8	ICV1	ICV1	ICV	08/17/17 16:15		OK
9	ICB1	ICB1	ICB	08/17/17 16:15		OK
10	CCV1	CCV1	CCV	08/17/17 16:15		OK
11	CCB1	CCB1	CCB	08/17/17 16:15		OK
12	PB101627BL	PB101627BL	MB	08/17/17 16:15		OK
13	I4844-03	OR-03-081617	SAM	08/17/17 16:15		OK
14	I4844-03DUP	OR-03-081617 DUP	DUP	08/17/17 16:22		OK
15	I4845-03	OK-03-81617	SAM	08/17/17 16:22		OK
16	I4847-05	PVSC-A-COMP	SAM	08/17/17 16:22		OK
17	I4847-10	PVSC-B-COMP	SAM	08/17/17 16:22		OK
18	I4852-03	VNJ-207	SAM	08/17/17 16:22		OK
19	I4852-06	VNJ-242	SAM	08/17/17 16:22		OK
20	PB101628BL	PB101628BL	MB	08/17/17 16:22		OK
21	I4848-02	A2882	SAM	08/17/17 16:22		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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SubDirectory		Test : Reactive Cyanide				
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STD. NAME		STD REF.#				
ICAL Standard		WP57321,WP57322,WP57323,WP57324,WP57325,WP57326,WP57327,WP57328				
ICV Standard		WP57331				
CCV Standard		WP57330				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57329,WP55355,WP57315				
22	CCV2	CCV2	CCV	08/17/17 16:22		OK
23	CCB2	CCB2	CCB	08/17/17 16:22		OK
24	I4848-02DUP	A2882DUP	DUP	08/17/17 16:22		OK
25	CCV3	CCV3	CCV	08/17/17 16:26		OK
26	CCB3	CCB3	CCB	08/17/17 16:26		OK



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	OR-03-081617	SDG No.:	LB89571
Lab Sample ID:	I4844-03	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	-0.0017	U	1	0.025		0.05	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	OK-03-81617	SDG No.:	LB89571
Lab Sample ID:	I4845-03	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	0.00094	U	1	0.025		0.049	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	PVSC-A-COMP	SDG No.:	LB89571
Lab Sample ID:	I4847-05	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	-0.0017	U	1	0.025		0.05	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	PVSC-B-COMP	SDG No.:	LB89571
Lab Sample ID:	I4847-10	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	-0.0023	U	1	0.025		0.05	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	A2882	SDG No.:	LB89571
Lab Sample ID:	I4848-02	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	0.00037	U	1	0.0025		0.005	mg/L	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	VNJ-207	SDG No.:	LB89571
Lab Sample ID:	I4852-03	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	-0.0009	U	1	0.025		0.049	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	VNJ-242	SDG No.:	LB89571
Lab Sample ID:	I4852-06	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		0.049	mg/Kg	08/17/2017	08/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/16/2017 12:00:00 AM
Project:	LB89571	Date Received:	8/16/2017 12:00:00 AM
Client Sample ID:	VNJ-242	SDG No.:	LB89571
Lab Sample ID:	I4852-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB89571

SDG No.: LB89571

Contract: _____ Lab Code: CHEM

Case No.: LB89571 SAS No.: LB89571

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		08/17/2017	16:15	LB89571



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89571

SDG No.: LB89571

Contract: _____ Lab Code: CHEM

Case No.: LB89571

SAS No.: LB89571

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		08/17/2017	16:15	LB89571
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		08/17/2017	16:22	LB89571
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		08/17/2017	16:26	LB89571



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89571 **SDG No.:** LB89571
Contract: **Lab Code:** CHEM **Case No.:** LB89571 **SAS No.:** LB89571

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00049	+/-0.005	U		0.005		08/17/2017	16:15	LB89571

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00068	+/-0.005	U		0.005		08/17/2017	16:15	LB89571
CCB2	Reactive Cyanide	0.00063	+/-0.005	U		0.005		08/17/2017	16:22	LB89571
CCB3	Reactive Cyanide	0.00018	+/-0.005	U		0.005		08/17/2017	16:26	LB89571



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89571

SDG No.: LB89571

Contract:

Lab Code: CHEM

Case No.: LB89571

SAS No.: LB89571

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: LB89571

SDG No.: LB89571

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
PB101627BL	Reactive Cyanide	SOLID		Batch Number:		PB101627		Prep Date:	08/17/2017	
		0.0016	<0.05	U		0.05		08/17/2017	16:15	LB89571
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB101628BL	Reactive Cyanide	WATER		Batch Number:		PB101628		Prep Date:	08/17/2017	
		0.00038	<0.005	U		0.005		08/17/2017	16:22	LB89571

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DUPLICATE SAMPLE SUMMARY

Client: LB89571 **Level:** LOW **SDG No.:** LB89571
Contract: **Lab Code:** CHEM **Case No.:** LB89571 **SAS No.:** LB89571
Matrix: Solid **Sample ID:** I4844-03 **Client ID:** OR-03-081617 DUP
Percent Solids for Sample: 100 **Duplicate ID** I4844-03DUP **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	0.0036	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB89571 **Level:** LOW **SDG No.:** LB89571
Contract: **Lab Code:** CHEM **Case No.:** LB89571 **SAS No.:** LB89571
Matrix: WATER **Sample ID:** I4848-02 **Client ID:** A2882DUP
Percent Solids for Sample: 0 **Duplicate ID** I4848-02DUP **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	U		