

Daily Analysis Runlog For Sequence/QC Batch ID # LB89166

Review By		Review On				
SubDirectory		LB89166		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP56827,WP56828,WP56829,WP56830,WP56831,WP56832,WP56833,WP56834				
ICV Standard		W1541				
CCV Standard		WP56836				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP56836,WP56835,WP55355				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/01/17 08:45		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/01/17 08:45		OK
3	10PPBCN	10PPBCN	CAL3	08/01/17 08:45		OK
4	50PPBCN	50PPBCN	CAL4	08/01/17 08:45		OK
5	100PPBCN	100PPBCN	CAL5	08/01/17 08:45		OK
6	250PPBCN	250PPBCN	CAL6	08/01/17 08:45		OK
7	500PPBCN	500PPBCN	CAL7	08/01/17 08:45		OK
8	ICV1	ICV1	ICV	08/01/17 09:33		OK
9	ICB1	ICB1	ICB	08/01/17 09:33		OK
10	CCV1	CCV1	CCV	08/01/17 09:33		OK
11	CCB1	CCB1	CCB	08/01/17 09:33		OK
12	PB101101BL	PB101101BL	MB	08/01/17 09:33		OK
13	PB101101BS	PB101101BS	LCS	08/01/17 09:33		OK
14	LOWPB101101	LOWPB101101	SAM	08/01/17 09:33		OK
15	HIGHPB101101	HIGHPB101101	SAM	08/01/17 09:33		OK
16	I4511-02	TEC-PLATT-COMP	SAM	08/01/17 09:33		OK
17	I4511-02DUP	TEC-PLATT-COMPD	DUP	08/01/17 09:33		OK
18	I4511-02MS	TEC-PLATT-COMPM	MS	08/01/17 09:33		OK
19	I4511-02MSD	TEC-PLATT-COMPM	MSD	08/01/17 09:39		OK
20	I4512-01	HDD-PILWC4	SAM	08/01/17 09:39		OK
21	I4524-01	SU-04-072817	SAM	08/01/17 09:39		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 : Cyanide				
LB89166						
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ICV Standard		W1541				
CCV Standard		WP56836				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP56836,WP56835,WP55355				
22	CCV2	CCV2	CCV	08/01/17 09:39		OK
23	CCB2	CCB2	CCB	08/01/17 09:39		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89166	Date Received:	
Client Sample ID:	HIGHPB101101	SDG No.:	LB89166
Lab Sample ID:	HIGHPB101101	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.48		1	0.003		0.005	mg/L		08/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/27/2017 12:00:00 AM
Project:	LB89166	Date Received:	7/28/2017 12:00:00 AM
Client Sample ID:	TEC-PLATT-COMP	SDG No.:	LB89166
Lab Sample ID:	I4511-02	Matrix:	Solid
Level (low/med):	low	% Solid:	98

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.047	J	1	0.033		0.25	mg/Kg	07/31/2017	08/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/28/2017 12:00:00 AM
Project:	LB89166	Date Received:	7/28/2017 12:00:00 AM
Client Sample ID:	HDD-PILWC4	SDG No.:	LB89166
Lab Sample ID:	I4512-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.023	U	1	0.04		0.31	mg/Kg	07/31/2017	08/01/2017	9012B

Report of Analysis

Client:		Date Collected:	7/28/2017 12:00:00 AM
Project:	LB89166	Date Received:	7/28/2017 12:00:00 AM
Client Sample ID:	SU-04-072817	SDG No.:	LB89166
Lab Sample ID:	I4524-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.035		0.26	mg/Kg	07/31/2017	08/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89166	Date Received:	
Client Sample ID:	LOWPB101101	SDG No.:	LB89166
Lab Sample ID:	LOWPB101101	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.01		1	0.003		0.005	mg/L		08/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89166	Date Received:	
Client Sample ID:	LOWPB101101	SDG No.:	LB89166
Lab Sample ID:	LOWPB101101	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



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89166

SDG No.: LB89166

Contract: _____ Lab Code: CHEM

Case No.: LB89166

SAS No.: LB89166

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	Cyanide	0.24	0.25	96	0	90 - 110		08/01/2017	09:33	LB89166
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		08/01/2017	09:39	LB89166



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89166 **SDG No.:** LB89166
Contract: **Lab Code:** CHEM **Case No.:** LB89166 **SAS No.:** LB89166

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00091	+/-0.005	U		0.005		08/01/2017	09:33	LB89166



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89166

SDG No.: LB89166

Contract:

Lab Code: CHEM

Case No.: LB89166

SAS No.: LB89166

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0013	+/-0.005	U		0.005		08/01/2017	09:33	LB89166
CCB2	Cyanide	0.00062	+/-0.005	U		0.005		08/01/2017	09:39	LB89166



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89166

SDG No.: LB89166

Contract: Lab Code: CHEM

Case No.: LB89166

SAS No.: LB89166

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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PREPARATION BLANK SUMMARY

Client: LB89166

SDG No.: LB89166

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
PB101101BL		SOLID		Batch Number:		PB101101		Prep Date:	07/31/2017	
	Cyanide	0.025	<0.25	U		0.25		08/01/2017	09:33	LB89166



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89166 level: low sdg no.: LB89166
contract: lab code: CHEM case no.: LB89166 sas no.: LB89166
matrix: Solid sample id: I4511-02 client id: TEC-PLATT-COMPMS
Percent Solids for Sample: 98 Spiked ID: I4511-02MS Percent Solids for Spike Sample: 98

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.3		0.047	J	2	63	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89166 level: low sdg no.: LB89166
contract: lab code: CHEM case no.: LB89166 sas no.: LB89166
matrix: Solid sample id: I4511-02 client id: TEC-PLATT-COMPMSD
Percent Solids for Sample: 98 Spiked ID: I4511-02MSD Percent Solids for Spike Sample: 98

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.047	J	2	68	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89166 **Level:** LOW **SDG No.:** LB89166
Contract: **Lab Code:** CHEM **Case No.:** LB89166 **SAS No.:** LB89166
Matrix: Solid **Sample ID:** I4511-02 **Client ID:** TEC-PLATT-COMPDUP
Percent Solids for Sample: 98 **Duplicate ID** I4511-02DUP **Percent Solids for Spike Sample:** 98

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.047	J	0.015	U	200.0	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89166 **Level:** LOW **SDG No.:** LB89166
Contract: **Lab Code:** CHEM **Case No.:** LB89166 **SAS No.:** LB89166
Matrix: Solid **Sample ID:** I4511-02MS **Client ID:** TEC-PLATT-COMPMSD
Percent Solids for Sample: 98 **Duplicate ID** I4511-02MSD **Percent Solids for Spike Sample:** 98

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.3		1.4		7		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89166

SDG No.: LB89166

Contract:

Lab Code: CHEM

Case No.: LB89166

SAS No.: LB89166

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101101BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	