

Daily Analysis Runlog For Sequence/QC Batch ID # LB92547

Review By

Review On

SubDirectory

LB92547

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP60865,WP60866,WP60867,WP60868,WP60869,WP60870,WP60871
ICV Standard	W1541
CCV Standard	WP60872
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP60874,WP59958,WP60150

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/10/18 11:45		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/10/18 11:45		OK
3	10PPBCN	10PPBCN	CAL3	01/10/18 11:45		OK
4	50PPBCN	50PPBCN	CAL4	01/10/18 11:45		OK
5	100PPBCN	100PPBCN	CAL5	01/10/18 11:45		OK
6	250PPBCN	250PPBCN	CAL6	01/10/18 11:45		OK
7	500PPBCN	500PPBCN	CAL7	01/10/18 11:45		OK
8	ICV1	ICV1	ICV	01/10/18 12:48		OK
9	ICB1	ICB1	ICB	01/10/18 12:48		OK
10	CCV1	CCV1	CCV	01/10/18 12:48		OK
11	CCB1	CCB1	CCB	01/10/18 12:48		OK
12	PB105547BL	PB105547BL	MB	01/10/18 12:48		OK
13	PB105547BS	PB105547BS	LCS	01/10/18 12:48		OK
14	LOWPB105547	LOWPB105547	SAM	01/10/18 12:48		OK
15	HIGHPB105547	HIGHPB105547	SAM	01/10/18 12:55		OK
16	J1013-01	NB-08-010918	SAM	01/10/18 12:55		OK
17	J1013-01DUP	NB-08-010918DUP	DUP	01/10/18 12:55		OK
18	J1013-01MS	NB-08-010918MS	MS	01/10/18 12:55		OK
19	J1013-01MSD	NB-08-010918MSD	MSD	01/10/18 12:55		OK
20	J1064-14	OILY-STONES	SAM	01/10/18 12:55		OK
21	J1067-01	CHRT-27007	SAM	01/10/18 12:55		OK



Instrument ID : KONELAB

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

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SubDirectory		LB92547		Test : Cyanide		
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ICAL Standard		WP60865,WP60866,WP60867,WP60868,WP60869,WP60870,WP60871				
ICV Standard		W1541				
CCV Standard		WP60872				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60874,WP59958,WP60150				
22	CCV2	CCV2	CCV	01/10/18 12:55		OK
23	CCB2	CCB2	CCB	01/10/18 12:55		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92547	Date Received:	
Client Sample ID:	HIGHPB105547	SDG No.:	LB92547
Lab Sample ID:	HIGHPB105547	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	0.47		1	0.003		0.005	mg/L		01/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/9/2018 12:00:00 AM
Project:	LB92547	Date Received:	1/9/2018 12:00:00 AM
Client Sample ID:	NB-08-010918	SDG No.:	LB92547
Lab Sample ID:	J1013-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.021	U	1	0.034		0.26	mg/Kg	01/10/2018	01/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/9/2018 12:00:00 AM
Project:	LB92547	Date Received:	1/9/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB92547
Lab Sample ID:	J1064-14	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0058	U	1	0.032		0.24	mg/Kg	01/10/2018	01/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/9/2018 12:00:00 AM
Project:	LB92547	Date Received:	1/9/2018 12:00:00 AM
Client Sample ID:	CHRT-27007	SDG No.:	LB92547
Lab Sample ID:	J1067-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.099	J	1	0.04		0.3	mg/Kg	01/10/2018	01/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92547	Date Received:	
Client Sample ID:	LOWPB105547	SDG No.:	LB92547
Lab Sample ID:	LOWPB105547	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		01/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92547	Date Received:	
Client Sample ID:	LOWPB105547	SDG No.:	LB92547
Lab Sample ID:	LOWPB105547	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92547

SDG No.: LB92547

Contract: _____

Lab Code: CHEM

Case No.: LB92547

SAS No.: LB92547

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	Cyanide	0.096	0.099	97	0	85 - 115		01/10/2018	12:48	LB92547



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92547

SDG No.: LB92547

Contract: _____ Lab Code: CHEM

Case No.: LB92547

SAS No.: LB92547

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		01/10/2018	12:48	LB92547
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		01/10/2018	12:55	LB92547



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92547 **SDG No.:** LB92547
Contract: **Lab Code:** CHEM **Case No.:** LB92547 **SAS No.:** LB92547

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0	+/-0.005	U		0.005		01/10/2018	12:48	LB92547



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92547

SDG No.: LB92547

Contract:

Lab Code: CHEM

Case No.: LB92547

SAS No.: LB92547

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00014	+/-0.005	U		0.005		01/10/2018	12:48	LB92547
CCB2	Cyanide	0.00019	+/-0.005	U		0.005		01/10/2018	12:55	LB92547



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92547

SDG No.: LB92547

Contract: Lab Code: CHEM

Case No.: LB92547

SAS No.: LB92547

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92547

SDG No.: LB92547

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
PB105547BL	Cyanide	SOLID -0.0012	<0.24	Batch Number: U		PB105547 0.24		Prep Date: 01/10/2018	01/10/2018 12:48	LB92547



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92547 level: low sdg no.: LB92547
contract: lab code: CHEM case no.: LB92547 sas no.: LB92547
matrix: Solid sample id: J1013-01 client id: NB-08-010918MS
Percent Solids for Sample: 94.2 Spiked ID: J1013-01MS Percent Solids for Spike Sample: 94.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.5		0.034	U	2	75		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92547 level: low sdg no.: LB92547
contract: lab code: CHEM case no.: LB92547 sas no.: LB92547
matrix: Solid sample id: J1013-01 client id: NB-08-010918MSD
Percent Solids for Sample: 94.2 Spiked ID: J1013-01MSD Percent Solids for Spike Sample: 94.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.034	U	2.1	85.7		

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB92547 **Level:** LOW **SDG No.:** LB92547
Contract: **Lab Code:** CHEM **Case No.:** LB92547 **SAS No.:** LB92547
Matrix: Solid **Sample ID:** J1013-01 **Client ID:** NB-08-010918DUP
Percent Solids for Sample: 94.2 **Duplicate ID** J1013-01DUP **Percent Solids for Spike Sample:** 94.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.034	U	0.022	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92547 Level: LOW SDG No.: LB92547
Contract: _____ Lab Code: CHEM Case No.: LB92547 SAS No.: LB92547
Matrix: Solid Sample ID: J1013-01MS Client ID: NB-08-010918MSD
Percent Solids for Sample: 94.2 Duplicate ID J1013-01MSD Percent Solids for Spike Sample: 94.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.5		1.8		18		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92547

SDG No.: LB92547

Contract:

Lab Code: CHEM

Case No.: LB92547

SAS No.: LB92547

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105547BS Cyanide	mg/Kg	4.9	5.3		108.2	85 - 115	