

Daily Analysis Runlog For Sequence/QC Batch ID # LB93544

Review By		Review On				
SubDirectory		LB93544		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62305,WP62306,WP62307,WP62308,WP62309,WP62310,WP62311				
ICV Standard		W1542				
CCV Standard		WP62312				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62314,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/27/18 09:09		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/27/18 09:09		OK
3	10PPBCN	10PPBCN	CAL3	02/27/18 09:09		OK
4	50PPBCN	50PPBCN	CAL4	02/27/18 09:09		OK
5	100PPBCN	100PPBCN	CAL5	02/27/18 09:09		OK
6	250PPBCN	250PPBCN	CAL6	02/27/18 09:09		OK
7	500PPBCN	500PPBCN	CAL7	02/27/18 09:09		OK
8	ICV1	ICV1	ICV	02/27/18 09:55		OK
9	ICB1	ICB1	ICB	02/27/18 09:55		OK
10	CCV1	CCV1	CCV	02/27/18 09:55		OK
11	CCB1	CCB1	CCB	02/27/18 09:55		OK
12	PB106851BL	PB106851BL	MB	02/27/18 09:55		OK
13	PB106851BS	PB106851BS	LCS	02/27/18 09:55		OK
14	LOWPB106851	LOWPB106851	SAM	02/27/18 09:55		OK
15	HIGHPB106851	HIGHPB106851	SAM	02/27/18 09:55		OK
16	J1688-07	T-3-SOIL	SAM	02/27/18 10:00		OK
17	J1688-01	T-3-ROAD	SAM	02/27/18 10:17		OK
18	J1688-01DUP	T-3-ROADDUP	DUP	02/27/18 10:17		OK
19	J1688-01MS	T-3-ROADMS	MS	02/27/18 10:17		OK
20	J1688-01MSD	T-3-ROADMSD	MSD	02/27/18 10:17		OK
21	CCV2	CCV2	CCV	02/27/18 10:17		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				
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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62314,WP59958,WP60878				
22	CCB2	CCB2	CCB	02/27/18 10:17		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93544	Date Received:	
Client Sample ID:	HIGHPB106851	SDG No.:	LB93544
Lab Sample ID:	HIGHPB106851	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	0.5		1	0.003		0.005	mg/L		02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93544	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T-3-ROAD	SDG No.:	LB93544
Lab Sample ID:	J1688-01	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.
57-12-5	Cyanide	0.099	J	1	0.038		0.29	mg/Kg	02/26/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93544	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T-3-SOIL	SDG No.:	LB93544
Lab Sample ID:	J1688-07	Matrix:	Solid
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.033	U	1	0.04		0.3	mg/Kg	02/26/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93544	Date Received:	
Client Sample ID:	LOWPB106851	SDG No.:	LB93544
Lab Sample ID:	LOWPB106851	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	0.011		1	0.003		0.005	mg/L		02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93544	Date Received:	
Client Sample ID:	LOWPB106851	SDG No.:	LB93544
Lab Sample ID:	LOWPB106851	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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93544

SDG No.: LB93544

Contract:

Lab Code: CHEM

Case No.: LB93544

SAS No.: LB93544

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00079	+/-0.005	U		0.005		02/27/2018	09:55	LB93544



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93544

SDG No.: LB93544

Contract: _____

Lab Code: CHEM

Case No.: LB93544

SAS No.: LB93544

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0006	+/-0.005	U		0.005		02/27/2018	09:55	LB93544
CCB2	Cyanide	0.0003	+/-0.005	U		0.005		02/27/2018	10:17	LB93544



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93544

SDG No.: LB93544

Contract: Lab Code: CHEM

Case No.: LB93544

SAS No.: LB93544

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: LB93544

SDG No.: LB93544

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
PB106851BL		SOLID		Batch Number:		PB106851		Prep Date:	02/26/2018	
	Cyanide	0.033	<0.24	J		0.24		02/27/2018	09:55	LB93544



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93544 level: low sdg no.: LB93544
contract: lab code: CHEM case no.: LB93544 sas no.: LB93544
matrix: Solid sample id: J1688-01 client id: T-3-ROADMS
Percent Solids for Sample: 84.8 Spiked ID: J1688-01MS Percent Solids for Spike Sample: 84.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.3		0.099	J	2.3	96		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93544 level: low sdg no.: LB93544
contract: lab code: CHEM case no.: LB93544 sas no.: LB93544
matrix: Solid sample id: J1688-01 client id: T-3-ROADMSD
Percent Solids for Sample: 84.8 Spiked ID: J1688-01MSD Percent Solids for Spike Sample: 84.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.3		0.099	J	2.3	96		

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DUPLICATE SAMPLE SUMMARY

Client: LB93544 **Level:** LOW **SDG No.:** LB93544
Contract: **Lab Code:** CHEM **Case No.:** LB93544 **SAS No.:** LB93544
Matrix: Solid **Sample ID:** J1688-01 **Client ID:** T-3-ROADDUP
Percent Solids for Sample: 84.8 **Duplicate ID** J1688-01DUP **Percent Solids for Spike Sample:** 84.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.099	J	0.12	J	19		

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DUPLICATE SAMPLE SUMMARY

Client: LB93544 **Level:** LOW **SDG No.:** LB93544
Contract: **Lab Code:** CHEM **Case No.:** LB93544 **SAS No.:** LB93544
Matrix: Solid **Sample ID:** J1688-01MS **Client ID:** T-3-ROADMSD
Percent Solids for Sample: 84.8 **Duplicate ID** J1688-01MSD **Percent Solids for Spike Sample:** 84.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.3		2.3		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93544

SDG No.: LB93544

Contract:

Lab Code: CHEM

Case No.: LB93544

SAS No.: LB93544

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106851BS Cyanide	mg/Kg	4.9	4.9		100	85 - 115	