

Daily Analysis Runlog For Sequence/QC Batch ID # LB93697

Review By		Review On				
SubDirectory		LB93697		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/05/18 08:12		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/05/18 08:12		OK
3	10PPBCN	10PPBCN	CAL3	03/05/18 08:12		OK
4	50PPBCN	50PPBCN	CAL4	03/05/18 08:12		OK
5	100PPBCN	100PPBCN	CAL5	03/05/18 08:12		OK
6	250PPBCN	250PPBCN	CAL6	03/05/18 08:12		OK
7	500PPBCN	500PPBCN	CAL7	03/05/18 08:12		OK
8	ICV1	ICV1	ICV	03/05/18 13:51		OK
9	ICB1	ICB1	ICB	03/05/18 13:51		OK
10	CCV1	CCV1	CCV	03/05/18 13:51		OK
11	CCB1	CCB1	CCB	03/05/18 13:51		OK
12	PB107071BL	PB107071BL	MB	03/05/18 13:51		OK
13	PB107071BS	PB107071BS	LCS	03/05/18 13:51		OK
14	J1736-01	OILY-STONE	SAM	03/05/18 13:51		OK
15	J1736-01DUP	OILY-STONEDUP	DUP	03/05/18 13:51		OK
16	J1736-01MS	OILY-STONEMS	MS	03/05/18 13:51		OK
17	J1736-01MSD	OILY-STONEMSD	MSD	03/05/18 13:51		OK
18	J1738-02	OILY-STONE	SAM	03/05/18 13:51		OK
19	J1741-02	SB-09-10-17	SAM	03/05/18 13:59		OK
20	J1761-01	TR-04-0302018	SAM	03/05/18 13:59		OK
21	J1766-01	DRUM-1-2	SAM	03/05/18 13:59		OK

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ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/05/18 13:59		OK
23	CCB2	CCB2	CCB	03/05/18 13:59		OK
24	J1772-02	SB-02-06-10	SAM	03/05/18 13:59		OK
25	J1783-01	SLUDGE	SAM	03/05/18 13:59		OK
26	J1797-01	SI-1	SAM	03/05/18 13:59		OK
27	J1798-01	TRK-STONE	SAM	03/05/18 13:59		OK
28	CCV3	CCV3	CCV	03/05/18 13:59		OK
29	CCB3	CCB3	CCB	03/05/18 13:59		OK

Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93697	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93697
Lab Sample ID:	J1736-01	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	0.012	U	1	0.032		0.25	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93697	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93697
Lab Sample ID:	J1738-02	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	-0.015	U	1	0.033		0.25	mg/Kg	03/05/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93697	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	SB-09-10-17	SDG No.:	LB93697
Lab Sample ID:	J1741-02	Matrix:	Solid
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	1.7		1	0.038		0.29	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TR-04-0302018	SDG No.:	LB93697
Lab Sample ID:	J1761-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.069	J	1	0.037		0.28	mg/Kg	03/05/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	DRUM-1-2	SDG No.:	LB93697
Lab Sample ID:	J1766-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0013	U	1	0.036		0.27	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	SB-02-06-10	SDG No.:	LB93697
Lab Sample ID:	J1772-02	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	1	1	0.034		0.25		mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	SLUDGE	SDG No.:	LB93697
Lab Sample ID:	J1783-01	Matrix:	Solid
Level (low/med):	low	% Solid:	40.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.16	J	1	0.079		0.6	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	SI-1	SDG No.:	LB93697
Lab Sample ID:	J1797-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0067	U	1	0.036		0.27	mg/Kg	03/05/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TRK-STONE	SDG No.:	LB93697
Lab Sample ID:	J1798-01	Matrix:	Solid
Level (low/med):	low	% Solid:	98.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0031	U	1	0.032		0.24	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93697	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TRK-STONE	SDG No.:	LB93697
Lab Sample ID:	J1798-01	Matrix:	Solid
Level (low/med):	low	% Solid:	98.3

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: LB93697

SDG No.: LB93697

Contract: _____

Lab Code: CHEM

Case No.: LB93697

SAS No.: LB93697

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.097	0.099	98		85 - 115		03/05/2018	13:51	LB93697



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93697

SDG No.: LB93697

Contract: _____ Lab Code: CHEM

Case No.: LB93697

SAS No.: LB93697

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.25	0.25	100		90 - 110		03/05/2018	13:51	LB93697
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/05/2018	13:59	LB93697
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	13:59	LB93697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93697 **SDG No.:** LB93697
Contract: **Lab Code:** CHEM **Case No.:** LB93697 **SAS No.:** LB93697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00018	+/-0.005	U		0.005		03/05/2018	13:51	LB93697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93697

SDG No.: LB93697

Contract:

Lab Code: CHEM

Case No.: LB93697

SAS No.: LB93697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0	+/-0.005	U		0.005		03/05/2018	13:51	LB93697
CCB2	Cyanide	-0.00029	+/-0.005	U		0.005		03/05/2018	13:59	LB93697
CCB3	Cyanide	0	+/-0.005	U		0.005		03/05/2018	13:59	LB93697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93697

SDG No.: LB93697

Contract: Lab Code: CHEM

Case No.: LB93697

SAS No.: LB93697

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: LB93697

SDG No.: LB93697

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
PB107071BL	Cyanide	SOLID -0.009	<0.24	Batch Number: U		PB107071 0.24		Prep Date: 03/05/2018	03/05/2018 13:51	LB93697



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93697 level: low sdg no.: LB93697
contract: lab code: CHEM case no.: LB93697 sas no.: LB93697
matrix: Solid sample id: J1736-01 client id: OILY-STONEMS
Percent Solids for Sample: 100 Spiked ID: J1736-01MS Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.032	U	2	85		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93697 level: low sdg no.: LB93697
contract: lab code: CHEM case no.: LB93697 sas no.: LB93697
matrix: Solid sample id: J1736-01 client id: OILY-STONEMSD
Percent Solids for Sample: 100 Spiked ID: J1736-01MSD Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.032	U	2	85		

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DUPLICATE SAMPLE SUMMARY

Client: LB93697 **Level:** LOW **SDG No.:** LB93697
Contract: **Lab Code:** CHEM **Case No.:** LB93697 **SAS No.:** LB93697
Matrix: Solid **Sample ID:** J1736-01 **Client ID:** OILY-STONEDUP
Percent Solids for Sample: 100 **Duplicate ID** J1736-01DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.032	U	-0.019	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93697 **Level:** LOW **SDG No.:** LB93697
Contract: **Lab Code:** CHEM **Case No.:** LB93697 **SAS No.:** LB93697
Matrix: Solid **Sample ID:** J1736-01MS **Client ID:** OILY-STONEMSD
Percent Solids for Sample: 100 **Duplicate ID** J1736-01MSD **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.7		1.7		0		

