

Daily Analysis Runlog For Sequence/QC Batch ID # LB93028

Review By		Review On				
SubDirectory		LB93028		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61492,WP61493,WP61494,WP61495,WP61496,WP61497,WP61498				
ICV Standard		W1542				
CCV Standard		WP61499				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61501,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/31/18 12:47		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/31/18 12:47		OK
3	10PPBCN	10PPBCN	CAL3	01/31/18 12:47		OK
4	50PPBCN	50PPBCN	CAL4	01/31/18 12:47		OK
5	100PPBCN	100PPBCN	CAL5	01/31/18 12:47		OK
6	250PPBCN	250PPBCN	CAL6	01/31/18 12:47		OK
7	500PPBCN	500PPBCN	CAL7	01/31/18 12:47		OK
8	ICV1	ICV1	ICV	01/31/18 15:11		OK
9	ICB1	ICB1	ICB	01/31/18 15:11		OK
10	CCV1	CCV1	CCV	01/31/18 15:11		OK
11	CCB1	CCB1	CCB	01/31/18 15:11		OK
12	PB106231BL	PB106231BL	MB	01/31/18 15:11		OK
13	PB106231BS	PB106231BS	LCS	01/31/18 15:11		OK
14	J1383-01	VNJ-218	SAM	01/31/18 15:18		OK
15	J1383-04	SP-A	SAM	01/31/18 15:18		OK
16	J1384-02	OILY-STONES-1	SAM	01/31/18 15:18		OK
17	J1384-08	OILY-STONES-2	SAM	01/31/18 15:18		OK
18	CCV2	CCV2	CCV	01/31/18 15:18		OK
19	CCB2	CCB2	CCB	01/31/18 15:18		OK
20	J1384-14	OILY-CONCRETE	SAM	01/31/18 15:18		OK
21	J1378-01	RO-72	SAM	01/31/18 15:44		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				
LB93028						
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ICV Standard		W1542				
CCV Standard		WP61499				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61501,WP59958,WP60878				
22	J1378-01DUP	RO-72DUP	DUP	01/31/18 15:44		OK
23	J1378-01MS	RO-72MS	MS	01/31/18 15:44		OK
24	J1378-01MSD	RO-72MSD	MSD	01/31/18 15:44		OK
25	CCV3	CCV3	CCV	01/31/18 15:44		OK
26	CCB3	CCB3	CCB	01/31/18 15:44		OK



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	RO-72	SDG No.:	LB93028
Lab Sample ID:	J1378-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.039		0.29	mg/Kg	01/31/2018	01/31/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	VNJ-218	SDG No.:	LB93028
Lab Sample ID:	J1383-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.16	J	1	0.039		0.29	mg/Kg	01/31/2018	01/31/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	SP-A	SDG No.:	LB93028
Lab Sample ID:	J1383-04	Matrix:	Solid
Level (low/med):	low	% Solid:	82.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.039		0.3	mg/Kg	01/31/2018	01/31/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	OILY-STONES-1	SDG No.:	LB93028
Lab Sample ID:	J1384-02	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	0.011	U	1	0.032		0.24	mg/Kg	01/31/2018	01/31/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	OILY-STONES-2	SDG No.:	LB93028
Lab Sample ID:	J1384-08	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	0.036	J	1	0.031		0.24	mg/Kg	01/31/2018	01/31/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	OILY-CONCRETE	SDG No.:	LB93028
Lab Sample ID:	J1384-14	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	0.12	J	1	0.033		0.25	mg/Kg	01/31/2018	01/31/2018	9012B



Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93028	Date Received:	1/30/2018 12:00:00 AM
Client Sample ID:	OILY-CONCRETE	SDG No.:	LB93028
Lab Sample ID:	J1384-14	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB93028

SDG No.: LB93028

Contract: _____

Lab Code: CHEM

Case No.: LB93028

SAS No.: LB93028

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	0.098	0.099	99		85 - 115		01/31/2018	15:11	lb93028



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93028

SDG No.: LB93028

Contract: _____ Lab Code: CHEM

Case No.: LB93028

SAS No.: LB93028

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		01/31/2018	15:11	lb93028
CCV2	Cyanide	0.25	0.25	100		90 - 110		01/31/2018	15:18	lb93028
CCV3	Cyanide	0.26	0.25	104		90 - 110		01/31/2018	15:44	lb93028



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93028 **SDG No.:** LB93028
Contract: **Lab Code:** CHEM **Case No.:** LB93028 **SAS No.:** LB93028

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0003	+/-0.005	U		0.005		01/31/2018	15:11	lb93028

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00026	+/-0.005	U		0.005		01/31/2018	15:11	lb93028
CCB2	Cyanide	0.00073	+/-0.005	U		0.005		01/31/2018	15:18	lb93028
CCB3	Cyanide	0.00033	+/-0.005	U		0.005		01/31/2018	15:44	lb93028



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93028

SDG No.: LB93028

Contract: Lab Code: CHEM

Case No.: LB93028

SAS No.: LB93028

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: LB93028

SDG No.: LB93028

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
PB106231BL	Cyanide	SOLID 0.013	<0.25	Batch Number: U		PB106231 0.25		Prep Date: 01/31/2018	01/31/2018 15:11	lb93028



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93028 level: low sdg no.: LB93028
contract: lab code: CHEM case no.: LB93028 sas no.: LB93028
matrix: Solid sample id: J1378-01 client id: RO-72MS
Percent Solids for Sample: 83.2 Spiked ID: J1378-01MS Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.13	J	2.4	78		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93028 level: low sdg no.: LB93028
contract: lab code: CHEM case no.: LB93028 sas no.: LB93028
matrix: Solid sample id: J1378-01 client id: RO-72MSD
Percent Solids for Sample: 83.2 Spiked ID: J1378-01MSD Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.13	J	2.3	77		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93028 **Level:** LOW **SDG No.:** LB93028
Contract: **Lab Code:** CHEM **Case No.:** LB93028 **SAS No.:** LB93028
Matrix: Solid **Sample ID:** J1378-01 **Client ID:** RO-72DUP
Percent Solids for Sample: 83.2 **Duplicate ID** J1378-01DUP **Percent Solids for Spike Sample:** 83.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.13	J	0.14	J	7		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93028 Level: LOW SDG No.: LB93028
 Contract: _____ Lab Code: CHEM Case No.: LB93028 SAS No.: LB93028
 Matrix: Solid Sample ID: J1378-01MS Client ID: RO-72MSD
 Percent Solids for Sample: 83.2 Duplicate ID J1378-01MSD Percent Solids for Spike Sample: 83.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		1.9		5		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93028

SDG No.: LB93028

Contract:

Lab Code: CHEM

Case No.: LB93028

SAS No.: LB93028

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106231BS Cyanide	mg/Kg	4.9	4.9		100	85 - 115	