

Daily Analysis Runlog For Sequence/QC Batch ID # LB93303

Review By		Review On				
SubDirectory		LB93303		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61948,WP61949,WP91950,WP61951,WP61952,WP61953,WP61954				
ICV Standard		WP61956				
CCV Standard		WP61955				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61957,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/15/18 09:59		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/15/18 09:59		OK
3	10PPBCN	10PPBCN	CAL3	02/15/18 09:59		OK
4	50PPBCN	50PPBCN	CAL4	02/15/18 09:59		OK
5	100PPBCN	100PPBCN	CAL5	02/15/18 09:59		OK
6	250PPBCN	250PPBCN	CAL6	02/15/18 09:59		OK
7	500PPBCN	500PPBCN	CAL7	02/15/18 09:59		OK
8	ICV1	ICV1	ICV	02/15/18 12:03		OK
9	ICB1	ICB1	ICB	02/15/18 12:03		OK
10	CCV1	CCV1	CCV	02/15/18 12:22		OK
11	CCB1	CCB1	CCB	02/15/18 12:22		OK
12	PB106579BL	PB106579BL	MB	02/15/18 12:22		OK
13	J1393-02	HR-06-021418-A	SAM	02/15/18 12:22		OK
14	J1393-02DUP	HR-06-021418-ADUP	DUP	02/15/18 12:22		OK
15	J1393-04	HR-06-021418-B	SAM	02/15/18 12:22		OK
16	J1393-06	HR-06-021418-C	SAM	02/15/18 12:22		OK
17	J1404-04	TR-04-021418	SAM	02/15/18 12:22		OK
18	J1550-01	SOIL-CUTTINGS	SAM	02/15/18 12:22		OK
19	J1558-03	RO-155	SAM	02/15/18 12:22		OK
20	J1559-01	OWS-NEAR-FUEL-S	SAM	02/15/18 12:22		OK
21	J1559-02	CHASSIS-WASH-SY	SAM	02/15/18 12:28		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 : Reactive Cyanide				
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ICAL Standard		WP61948,WP61949,WP91950,WP61951,WP61952,WP61953,WP61954				
ICV Standard		WP61956				
CCV Standard		WP61955				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61957,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/15/18 12:28		OK
23	CCB2	CCB2	CCB	02/15/18 12:28		OK
24	J1559-03	BUS-WASH-ZIPPER	SAM	02/15/18 12:28		OK
25	J1562-07	T-10-STOCKPILE	SAM	02/15/18 12:28		OK
26	CCV4	CCV4	CCV	02/15/18 12:28		OK
27	CCB4	CCB4	CCB	02/15/18 12:28		OK



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	HR-06-021418-A	SDG No.:	LB93303
Lab Sample ID:	J1393-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.003	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	HR-06-021418-B	SDG No.:	LB93303
Lab Sample ID:	J1393-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0013	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	HR-06-021418-C	SDG No.:	LB93303
Lab Sample ID:	J1393-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0026	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	TR-04-021418	SDG No.:	LB93303
Lab Sample ID:	J1404-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0012	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/13/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/13/2018 12:00:00 AM
Client Sample ID:	SOIL-CUTTINGS	SDG No.:	LB93303
Lab Sample ID:	J1550-01	Matrix:	Solid
Level (low/med):	low	% Solid:	18.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00093	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	RO-155	SDG No.:	LB93303
Lab Sample ID:	J1558-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0025	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/13/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	OWS-NEAR-FUEL-STATION	SDG No.:	LB93303
Lab Sample ID:	J1559-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0055	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/13/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	CHASSIS-WASH-SYSTEM	SDG No.:	LB93303
Lab Sample ID:	J1559-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.003	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/13/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	BUS-WASH-ZIPPER-DRAIN	SDG No.:	LB93303
Lab Sample ID:	J1559-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.002	U	1	0.025		0.049	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	T-10-STOCKPILE	SDG No.:	LB93303
Lab Sample ID:	J1562-07	Matrix:	Solid
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00034	U	1	0.025		0.05	mg/Kg	02/15/2018	02/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93303	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	T-10-STOCKPILE	SDG No.:	LB93303
Lab Sample ID:	J1562-07	Matrix:	Solid
Level (low/med):	low	% Solid:	87

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: LB93303

SDG No.: LB93303

Contract: _____ Lab Code: CHEM

Case No.: LB93303

SAS No.: LB93303

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	Reactive Cyanide	0.1	0.099	101		85 - 115		02/15/2018	12:03	LB93303



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93303

SDG No.: LB93303

Contract: _____ Lab Code: CHEM

Case No.: LB93303

SAS No.: LB93303

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	Reactive Cyanide	0.23	0.25	92		90 - 110		02/15/2018	12:22	LB93303
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		02/15/2018	12:28	LB93303
CCV4	Reactive Cyanide	0.25	0.25	100		90 - 110		02/15/2018	12:28	LB93303



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93303

SDG No.: LB93303

Contract:

Lab Code: CHEM

Case No.: LB93303

SAS No.: LB93303

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00026	+/-0.005	U		0.005		02/15/2018	12:03	LB93303

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00021	+/-0.005	U		0.005		02/15/2018	12:22	LB93303
CCB2	Reactive Cyanide	0.00036	+/-0.005	U		0.005		02/15/2018	12:28	LB93303
CCB4	Reactive Cyanide	0.00056	+/-0.005	U		0.005		02/15/2018	12:28	LB93303



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93303

SDG No.: LB93303

Contract: Lab Code: CHEM

Case No.: LB93303

SAS No.: LB93303

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: LB93303

SDG No.: LB93303

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
PB106579BL	Reactive Cyanide	SOLID 0.00027	<0.05	Batch Number: U		PB106579 0.05		Prep Date: 02/15/2018	02/15/2018 12:22	LB93303

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93303 **Level:** LOW **SDG No.:** LB93303
Contract: **Lab Code:** CHEM **Case No.:** LB93303 **SAS No.:** LB93303
Matrix: Solid **Sample ID:** J1393-02 **Client ID:** HR-06-021418-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1393-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.0033	U			