

Daily Analysis Runlog For Sequence/QC Batch ID # LB95822

Review By		Review On				
SubDirectory		LB95822		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041				
ICV Standard		WP65043				
CCV Standard		WP65042				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65044,WP65695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/05/18 08:05		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/05/18 08:05		OK
3	10PPBCN	10PPBCN	CAL3	06/05/18 08:05		OK
4	50PPBCN	50PPBCN	CAL4	06/05/18 08:05		OK
5	100PPBCN	100PPBCN	CAL5	06/05/18 08:05		OK
6	250PPBCN	250PPBCN	CAL6	06/05/18 08:05		OK
7	500PPBCN	500PPBCN	CAL7	06/05/18 08:05		OK
8	ICV1	ICV1	ICV	06/05/18 11:50		OK
9	ICB1	ICB1	ICB	06/05/18 11:50		OK
10	CCV1	CCV1	CCV	06/05/18 11:50		OK
11	CCB1	CCB1	CCB	06/05/18 11:50		OK
12	PB109978BL	PB109978BL	MB	06/05/18 11:51		OK
13	J2309-06	ROCKY-SOIL	SAM	06/05/18 11:51		OK
14	J2309-06DUP	ROCKY-SOILDUP	DUP	06/05/18 11:51		OK
15	J2309-10	OILY-CONCRETE	SAM	06/05/18 11:51		OK
16	J3195-11	OILY-STONES	SAM	06/05/18 11:51		OK
17	J3300-04	ROCKPILE-SANDPILE	SAM	06/05/18 11:51		OK
18	J3304-03	FS-SOIL	SAM	06/05/18 11:51		OK
19	J3304-06	FS-CON	SAM	06/05/18 11:55		OK
20	J3305-06	DRUM-1-DRUM-2-R	SAM	06/05/18 11:55		OK
21	J3307-01	IDW-SO-06042018	SAM	06/05/18 11:55		OK



Instrument ID : KONELAB

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

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SubDirectory		Test : Reactive Cyanide				
LB95822						
STD. NAME	STD REF.#					
ICAL Standard	WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041					
ICV Standard	WP65043					
CCV Standard	WP65042					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP65044,WP65695,WP64696					
22	CCV2	CCV2	CCV	06/05/18 11:55		OK
23	CCB2	CCB2	CCB	06/05/18 11:55		OK



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	ROCKY-SOIL	SDG No.:	LB95822
Lab Sample ID:	J2309-06	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	-0.008	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	OILY-CONCRETE	SDG No.:	LB95822
Lab Sample ID:	J2309-10	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	0.017	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB95822
Lab Sample ID:	J3195-11	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	-0.011	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	ROCKPILE-SANDPILE	SDG No.:	LB95822
Lab Sample ID:	J3300-04	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	-0.0042	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	FS-SOIL	SDG No.:	LB95822
Lab Sample ID:	J3304-03	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	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	FS-CON	SDG No.:	LB95822
Lab Sample ID:	J3304-06	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	-0.011	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	DRUM-1-DRUM-2-ROCKS	SDG No.:	LB95822
Lab Sample ID:	J3305-06	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	-0.0081	U	1	0.025		0.05	mg/Kg	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	IDW-SO-06042018	SDG No.:	LB95822
Lab Sample ID:	J3307-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.1

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	06/05/2018	06/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95822	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	IDW-SO-06042018	SDG No.:	LB95822
Lab Sample ID:	J3307-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.1

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: LB95822

SDG No.: LB95822

Contract: _____ Lab Code: CHEM

Case No.: LB95822

SAS No.: LB95822

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	0.098	0.099	99		85 - 115		06/05/2018	11:50	lb95822



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95822

SDG No.: LB95822

Contract: _____ Lab Code: CHEM

Case No.: LB95822

SAS No.: LB95822

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	0.24	0.25	96		90 - 110		06/05/2018	11:50	lb95822
CCV2	Reactive Cyanide	0.26	0.25	104		90 - 110		06/05/2018	11:55	lb95822



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95822

SDG No.: LB95822

Contract:

Lab Code: CHEM

Case No.: LB95822

SAS No.: LB95822

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00022	+/-0.005	U		0.005		06/05/2018	11:50	lb95822



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95822

SDG No.: LB95822

Contract:

Lab Code: CHEM

Case No.: LB95822

SAS No.: LB95822

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0005	+/-0.005	U		0.005		06/05/2018	11:50	1b95822
CCB2	Reactive Cyanide	-0.00068	+/-0.005	U		0.005		06/05/2018	11:55	1b95822



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95822

SDG No.: LB95822

Contract: Lab Code: CHEM

Case No.: LB95822

SAS No.: LB95822

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: LB95822

SDG No.: LB95822

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
PB109978BL	Reactive Cyanide	SOLID -0.0069	<0.05	Batch Number: U		PB109978 0.05		Prep Date: 06/05/2018	06/05/2018 11:51	lb95822

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95822 **Level:** LOW **SDG No.:** LB95822
Contract: **Lab Code:** CHEM **Case No.:** LB95822 **SAS No.:** LB95822
Matrix: Solid **Sample ID:** J2309-06 **Client ID:** ROCKY-SOILDUP
Percent Solids for Sample: 100 **Duplicate ID** J2309-06DUP **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	-0.013	U			