

Daily Analysis Runlog For Sequence/QC Batch ID # LB95005

Review By		Review On				
SubDirectory		LB95005		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64117,WP64118,WP64119,WP64120,WP64121,WP64122,WP64123				
ICV Standard		W1542				
CCV Standard		WP64124				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		W62802				
Chk Standard		WP64126,WP59958,WP60878				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/01/18 09:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/01/18 09:50		OK
3	10PPBCN	10PPBCN	CAL3	05/01/18 09:50		OK
4	50PPBCN	50PPBCN	CAL4	05/01/18 09:50		OK
5	100PPBCN	100PPBCN	CAL5	05/01/18 09:50		OK
6	250PPBCN	250PPBCN	CAL6	05/01/18 09:50		OK
7	500PPBCN	500PPBCN	CAL7	05/01/18 09:50		OK
8	ICV1	ICV1	ICV	05/01/18 10:29		OK
9	ICB1	ICB1	ICB	05/01/18 10:29		OK
10	CCV1	CCV1	CCV	05/01/18 10:29		OK
11	CCB1	CCB1	CCB	05/01/18 10:29		OK
12	PB108729BL	PB108729BL	MB	05/01/18 10:29		OK
13	PB108729BS	PB108729BS	LCS	05/01/18 10:29		OK
14	LOWPB108729	LOWPB108729	SAM	05/01/18 10:29		OK
15	HIGHPB108729	HIGHPB108729	SAM	05/01/18 10:29		OK
16	J2158-07	OK-02-042718	SAM	05/01/18 10:29		OK
17	J2158-07DUP	OK-02-042718DUP	DUP	05/01/18 10:29		OK
18	J2158-07MS	OK-02-042718MS	MS	05/01/18 10:29		OK
19	J2158-07MSD	OK-02-042718MSD	MSD	05/01/18 10:37		OK
20	J2165-07	SU-04-042718	SAM	05/01/18 10:37		OK
21	J2166-05	TR-05-042718	SAM	05/01/18 10:37		OK

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

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CCV Standard		WP64124				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		W62802				
Chk Standard		WP64126,WP59958,WP60878				
22	CCV2	CCV2	CCV	05/01/18 10:37		OK
23	CCB2	CCB2	CCB	05/01/18 10:37		OK
24	J2616-01	ROBEL-1	SAM	05/01/18 10:37		OK
25	J2616-07	ROBEL-2	SAM	05/01/18 10:37		OK
26	J2616-13	CONCRETE-1	SAM	05/01/18 10:37		OK
27	J2616-19	CONCRETE-2	SAM	05/01/18 10:37		OK
28	J2616-25	CONCRETE-3	SAM	05/01/18 10:37		OK
29	J2616-31	CONCRETE-4	SAM	05/01/18 10:37		OK
30	J2616-37	HOPE-CREEK-SOIL	SAM	05/01/18 10:43		OK
31	CCV3	CCV3	CCV	05/01/18 10:43		OK
32	CCB3	CCB3	CCB	05/01/18 10:43		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95005	Date Received:	
Client Sample ID:	HIGHPB108729	SDG No.:	LB95005
Lab Sample ID:	HIGHPB108729	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	0.49		1	0.003		0.005	mg/L		05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	OK-02-042718	SDG No.:	LB95005
Lab Sample ID:	J2158-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.076	J	1	0.036		0.27	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	SU-04-042718	SDG No.:	LB95005
Lab Sample ID:	J2165-07	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	0.022	U	1	0.04		0.3	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	TR-05-042718	SDG No.:	LB95005
Lab Sample ID:	J2166-05	Matrix:	Solid
Level (low/med):	low	% Solid:	84.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.26	J	1	0.038		0.29	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	ROBEL-1	SDG No.:	LB95005
Lab Sample ID:	J2616-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.73		1	0.035		0.27	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	ROBEL-2	SDG No.:	LB95005
Lab Sample ID:	J2616-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.019	U	1	0.035		0.27	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	CONCRETE-1	SDG No.:	LB95005
Lab Sample ID:	J2616-13	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	0.018	U	1	0.032		0.24	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	CONCRETE-2	SDG No.:	LB95005
Lab Sample ID:	J2616-19	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	0.031		0.24	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	CONCRETE-3	SDG No.:	LB95005
Lab Sample ID:	J2616-25	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	0.044	J	1	0.031		0.24	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	CONCRETE-4	SDG No.:	LB95005
Lab Sample ID:	J2616-31	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	0.18	J	1	0.031		0.24	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95005	Date Received:	4/27/2018 12:00:00 AM
Client Sample ID:	HOPE-CREEK-SOIL	SDG No.:	LB95005
Lab Sample ID:	J2616-37	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.078	J	1	0.036		0.27	mg/Kg	04/30/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95005	Date Received:	
Client Sample ID:	LOWPB108729	SDG No.:	LB95005
Lab Sample ID:	LOWPB108729	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	0.01		1	0.003		0.005	mg/L		05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95005	Date Received:	
Client Sample ID:	LOWPB108729	SDG No.:	LB95005
Lab Sample ID:	LOWPB108729	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95005

SDG No.: LB95005

Contract: _____

Lab Code: CHEM

Case No.: LB95005

SAS No.: LB95005

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		05/01/2018	10:29	lb95005



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95005

SDG No.: LB95005

Contract: _____ Lab Code: CHEM

Case No.: LB95005

SAS No.: LB95005

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	0.24	0.25	96		90 - 110		05/01/2018	10:29	lb95005
CCV2	Cyanide	0.26	0.25	104		90 - 110		05/01/2018	10:37	lb95005
CCV3	Cyanide	0.25	0.25	100		90 - 110		05/01/2018	10:43	lb95005



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95005 **SDG No.:** LB95005
Contract: **Lab Code:** CHEM **Case No.:** LB95005 **SAS No.:** LB95005

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00055	+/-0.005	U		0.005		05/01/2018	10:29	lb95005



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95005

SDG No.: LB95005

Contract:

Lab Code: CHEM

Case No.: LB95005

SAS No.: LB95005

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00077	+/-0.005	U		0.005		05/01/2018	10:29	1b95005
CCB2	Cyanide	0	+/-0.005	U		0.005		05/01/2018	10:37	1b95005
CCB3	Cyanide	-0.00034	+/-0.005	U		0.005		05/01/2018	10:43	1b95005



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95005

SDG No.: LB95005

Contract: Lab Code: CHEM

Case No.: LB95005

SAS No.: LB95005

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: LB95005

SDG No.: LB95005

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
PB108729BL		SOLID		Batch Number:		PB108729		Prep Date:	04/30/2018	
	Cyanide	0.0073	<0.25	U		0.25		05/01/2018	10:29	lb95005



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95005 level: low sdg no.: LB95005
contract: lab code: CHEM case no.: LB95005 sas no.: LB95005
matrix: Solid sample id: J2158-07 client id: OK-02-042718MS
Percent Solids for Sample: 89.7 Spiked ID: J2158-07MS Percent Solids for Spike Sample: 89.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.076	J	2.1	87		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95005 level: low sdg no.: LB95005
contract: lab code: CHEM case no.: LB95005 sas no.: LB95005
matrix: Solid sample id: J2158-07 client id: OK-02-042718MSD
Percent Solids for Sample: 89.7 Spiked ID: J2158-07MSD Percent Solids for Spike Sample: 89.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.076	J	2.2	83		

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DUPLICATE SAMPLE SUMMARY

Client: LB95005 **Level:** LOW **SDG No.:** LB95005
Contract: **Lab Code:** CHEM **Case No.:** LB95005 **SAS No.:** LB95005
Matrix: Solid **Sample ID:** J2158-07 **Client ID:** OK-02-042718DUP
Percent Solids for Sample: 89.7 **Duplicate ID** J2158-07DUP **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.076	J	0.021	U	200.0	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95005 **Level:** LOW **SDG No.:** LB95005
Contract: **Lab Code:** CHEM **Case No.:** LB95005 **SAS No.:** LB95005
Matrix: Solid **Sample ID:** J2158-07MS **Client ID:** OK-02-042718MSD
Percent Solids for Sample: 89.7 **Duplicate ID** J2158-07MSD **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108729BS							
Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	