

Daily Analysis Runlog For Sequence/QC Batch ID # LB94059

Review By		Review On				
SubDirectory		LB94059		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62907,WP62908,WP62909,WP62910,WP62911,WP62912,WP62913				
ICV Standard		WP62915				
CCV Standard		WP62914				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62916,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/22/18 11:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/22/18 11:38		OK
3	10PPBCN	10PPBCN	CAL3	03/22/18 11:38		OK
4	50PPBCN	50PPBCN	CAL4	03/22/18 11:38		OK
5	100PPBCN	100PPBCN	CAL5	03/22/18 11:38		OK
6	250PPBCN	250PPBCN	CAL6	03/22/18 11:38		OK
7	500PPBCN	500PPBCN	CAL7	03/22/18 11:38		OK
8	ICV1	ICV1	ICV	03/22/18 12:10		OK
9	ICB1	ICB1	ICB	03/22/18 12:10		OK
10	CCV1	CCV1	CCV	03/22/18 12:10		OK
11	CCB1	CCB1	CCB	03/22/18 12:10		OK
12	PB107550BL	PB107550BL	MB	03/22/18 12:10		OK
13	J1756-08	OR-03-032018-A	SAM	03/22/18 12:10		OK
14	J1756-08DUP	OR-03-032018-ADUP	DUP	03/22/18 12:10		OK
15	J1756-10	OR-03-032018-B	SAM	03/22/18 12:10		OK
16	J1984-01	OILY-DEBRIS	SAM	03/22/18 12:10		OK
17	J1991-03	WES-0-6	SAM	03/22/18 12:10		OK
18	J1991-04	WES-6-12	SAM	03/22/18 12:10		OK
19	J1993-03	TP-6-MH-A	SAM	03/22/18 12:18		OK
20	J1995-04	PIT-A-0-5	SAM	03/22/18 12:18		OK
21	J1995-08	PIT-A-0-10	SAM	03/22/18 12:18		OK

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		WP62907,WP62908,WP62909,WP62910,WP62911,WP62912,WP62913				
ICV Standard		WP62915				
CCV Standard		WP62914				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62916,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/22/18 12:18		OK
23	CCB2	CCB2	CCB	03/22/18 12:18		OK
24	J1997-08	DGA-TOP-LAYER-1-	SAM	03/22/18 12:18		OK
25	J1997-16	DGA-TOP-LAYER-1-	SAM	03/22/18 12:18		OK
26	J1997-24	SLAB-CONCRETE-A	SAM	03/22/18 12:18		OK
27	J1997-32	SLAB-CONCRETE-B	SAM	03/22/18 12:18		OK
28	J1997-40	CINDER-BLOCK	SAM	03/22/18 12:18		OK
29	J1997-41	BLACK-MASTIC	SAM	03/22/18 12:18		OK
30	J2002-03	TP-4-MH-B	SAM	03/22/18 12:21		OK
31	CCV3	CCV3	CCV	03/22/18 12:21		OK
32	CCB3	CCB3	CCB	03/22/18 12:21		OK



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	OR-03-032018-A	SDG No.:	LB94059
Lab Sample ID:	J1756-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0077	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	OR-03-032018-B	SDG No.:	LB94059
Lab Sample ID:	J1756-10	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	-0.0084	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	OILY-DEBRIS	SDG No.:	LB94059
Lab Sample ID:	J1984-01	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	-0.0071	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	WES-0-6	SDG No.:	LB94059
Lab Sample ID:	J1991-03	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	-0.0093	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B

Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	WES-6-12	SDG No.:	LB94059
Lab Sample ID:	J1991-04	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	-0.0063	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B

Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	TP-6-MH-A	SDG No.:	LB94059
Lab Sample ID:	J1993-03	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	-0.00062	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	PIT-A-0-5	SDG No.:	LB94059
Lab Sample ID:	J1995-04	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	-0.0055	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	PIT-A-0-10	SDG No.:	LB94059
Lab Sample ID:	J1995-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0037	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	DGA-TOP-LAYER-1-A	SDG No.:	LB94059
Lab Sample ID:	J1997-08	Matrix:	Solid
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0078	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	DGA-TOP-LAYER-1-B	SDG No.:	LB94059
Lab Sample ID:	J1997-16	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.
	Reactive Cyanide	-0.0053	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	SLAB-CONCRETE-A	SDG No.:	LB94059
Lab Sample ID:	J1997-24	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	-0.0073	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	SLAB-CONCRETE-B	SDG No.:	LB94059
Lab Sample ID:	J1997-32	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	-0.0082	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	CINDER-BLOCK	SDG No.:	LB94059
Lab Sample ID:	J1997-40	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	-0.007	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	BLACK-MASTIC	SDG No.:	LB94059
Lab Sample ID:	J1997-41	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	-0.0079	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	TP-4-MH-B	SDG No.:	LB94059
Lab Sample ID:	J2002-03	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	-0.0096	U	1	0.025		0.05	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94059	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	TP-4-MH-B	SDG No.:	LB94059
Lab Sample ID:	J2002-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB94059

SDG No.: LB94059

Contract: _____ Lab Code: CHEM

Case No.: LB94059

SAS No.: LB94059

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	0.096	0.099	97		85 - 115		03/22/2018	12:10	LB94059



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94059

SDG No.: LB94059

Contract: _____ Lab Code: CHEM

Case No.: LB94059

SAS No.: LB94059

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		03/22/2018	12:10	LB94059
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		03/22/2018	12:18	LB94059
CCV3	Reactive Cyanide	0.26	0.25	104		90 - 110		03/22/2018	12:21	LB94059



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94059

SDG No.: LB94059

Contract:

Lab Code: CHEM

Case No.: LB94059

SAS No.: LB94059

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00059	+/-0.005	U		0.005		03/22/2018	12:10	LB94059



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94059

SDG No.: LB94059

Contract:

Lab Code: CHEM

Case No.: LB94059

SAS No.: LB94059

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00049	+/-0.005	U		0.005		03/22/2018	12:10	LB94059
CCB2	Reactive Cyanide	-0.00054	+/-0.005	U		0.005		03/22/2018	12:18	LB94059
CCB3	Reactive Cyanide	-0.00086	+/-0.005	U		0.005		03/22/2018	12:21	LB94059



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94059

SDG No.: LB94059

Contract: Lab Code: CHEM

Case No.: LB94059

SAS No.: LB94059

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: LB94059

SDG No.: LB94059

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
PB107550BL	Reactive Cyanide	SOLID -0.0073	<0.05	Batch Number: U		PB107550 0.05		Prep Date: 03/22/2018	03/22/2018 12:10	LB94059

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94059 **Level:** LOW **SDG No.:** LB94059
Contract: **Lab Code:** CHEM **Case No.:** LB94059 **SAS No.:** LB94059
Matrix: Solid **Sample ID:** J1756-08 **Client ID:** OR-03-032018-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1756-08DUP **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	-0.0077	U			