

Daily Analysis Runlog For Sequence/QC Batch ID # LB90364

Review By		Review On				
SubDirectory		LB90364		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		wp58326,wp58327,wp58328,wp58329,wp58330,wo58331,wp58324				
ICV Standard		wp58333				
CCV Standard		wp58332				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		wp58334,wp55355,wp55836				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/27/17 12:46		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/27/17 12:46		OK
3	10PPBCN	10PPBCN	CAL3	09/27/17 12:46		OK
4	50PPBCN	50PPBCN	CAL4	09/27/17 12:46		OK
5	100PPBCN	100PPBCN	CAL5	09/27/17 12:46		OK
6	250PPBCN	250PPBCN	CAL6	09/27/17 12:46		OK
7	500PPBCN	500PPBCN	CAL7	09/27/17 12:46		OK
8	ICV1	ICV1	ICV	09/27/17 15:41		OK
9	ICB1	ICB1	ICB	09/27/17 15:41		OK
10	CCV1	CCV1	CCV	09/27/17 15:41		OK
11	CCB1	CCB1	CCB	09/27/17 15:41		OK
12	PB102658BL	PB102658BL	MB	09/27/17 15:41		OK
13	I5436-02	OILY-GRAVEL	SAM	09/27/17 15:41		OK
14	I5436-02DUP	OILY-GRAVELDUP	DUP	09/27/17 15:47		OK
15	I5444-03	BU-02-092617	SAM	09/27/17 15:47		OK
16	I5444-06	BU-03-092617	SAM	09/27/17 15:47		OK
17	I5445-03	AU-05-092617-A	SAM	09/27/17 15:47		OK
18	I5445-06	AU-05-092617-B	SAM	09/27/17 15:47		OK
19	I5445-09	AU-05-092617-C	SAM	09/27/17 15:47		OK
20	CCV2	CCV2	CCV	09/27/17 15:47		OK
21	CCB2	CCB2	CCB	09/27/17 15:47		OK



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	OILY-GRAVEL	SDG No.:	LB90364
Lab Sample ID:	I5436-02	Matrix:	Solid
Level (low/med):	low	% Solid:	98.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0087	U	1	0.025		0.05	mg/Kg	09/27/2017	09/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	BU-02-092617	SDG No.:	LB90364
Lab Sample ID:	I5444-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.004	U	1	0.025		0.05	mg/Kg	09/27/2017	09/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	BU-03-092617	SDG No.:	LB90364
Lab Sample ID:	I5444-06	Matrix:	Solid
Level (low/med):	low	% Solid:	97.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0097	U	1	0.025		0.05	mg/Kg	09/27/2017	09/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	AU-05-092617-A	SDG No.:	LB90364
Lab Sample ID:	I5445-03	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	-0.0097	U	1	0.025		0.05	mg/Kg	09/27/2017	09/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	AU-05-092617-B	SDG No.:	LB90364
Lab Sample ID:	I5445-06	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	-0.007	U	1	0.025		0.05	mg/Kg	09/27/2017	09/27/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	AU-05-092617-C	SDG No.:	LB90364
Lab Sample ID:	I5445-09	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	09/27/2017	09/27/2017	9012B

Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90364	Date Received:	9/26/2017 12:00:00 AM
Client Sample ID:	AU-05-092617-C	SDG No.:	LB90364
Lab Sample ID:	I5445-09	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



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90364

SDG No.: LB90364

Contract: _____ Lab Code: CHEM

Case No.: LB90364

SAS No.: LB90364

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.24	0.25	96	0	90 - 110		09/27/2017	15:41	LB90364
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		09/27/2017	15:47	LB90364



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90364

SDG No.: LB90364

Contract:

Lab Code: CHEM

Case No.: LB90364

SAS No.: LB90364

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00028	+/-0.005	U		0.005		09/27/2017	15:41	LB90364



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90364

SDG No.: LB90364

Contract: _____

Lab Code: CHEM

Case No.: LB90364

SAS No.: LB90364

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00042	+/-0.005	U		0.005		09/27/2017	15:41	LB90364
CCB2	Reactive Cyanide	0.00028	+/-0.005	U		0.005		09/27/2017	15:47	LB90364



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90364

SDG No.: LB90364

Contract: Lab Code: CHEM

Case No.: LB90364

SAS No.: LB90364

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB90364

SDG No.: LB90364

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
PB102658BL	Reactive Cyanide	SOLID 0.0017	<0.05	Batch Number: U		PB102658 0.05		Prep Date: 09/27/2017	09/27/2017 15:41	LB90364

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DUPLICATE SAMPLE SUMMARY

Client: LB90364 **Level:** LOW **SDG No.:** LB90364
Contract: **Lab Code:** CHEM **Case No.:** LB90364 **SAS No.:** LB90364
Matrix: Solid **Sample ID:** I5436-02 **Client ID:** OILY-GRAVELDUP
Percent Solids for Sample: 98.6 **Duplicate ID** I5436-02DUP **Percent Solids for Spike Sample:** 98.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0044	U			