

Daily Analysis Runlog For Sequence/QC Batch ID # LB90336

Review By

Review On

SubDirectory

LB90336

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP58279,WP58280,WP58281,WP58282,WP58283,WP58284,WP58277
ICV Standard	wp58286
CCV Standard	wp58287
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	wp55355,wp55836,wp58285

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/26/17 13:53		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/26/17 13:53		OK
3	10PPBCN	10PPBCN	CAL3	09/26/17 13:54		OK
4	50PPBCN	50PPBCN	CAL4	09/26/17 13:54		OK
5	100PPBCN	100PPBCN	CAL5	09/26/17 13:54		OK
6	250PPBCN	250PPBCN	CAL6	09/26/17 13:54		OK
7	500PPBCN	500PPBCN	CAL7	09/26/17 13:54		OK
8	ICV1	ICV1	ICV	09/26/17 18:14		OK
9	ICB1	ICB1	ICB	09/26/17 18:15		OK
10	CCV1	CCV1	CCV	09/26/17 18:15		OK
11	CCB1	CCB1	CCB	09/26/17 18:15		OK
12	PB102617BL	PB102617BL	MB	09/26/17 18:15		OK
13	I5415-01	OILY-RAGS-DEBRIS	SAM	09/26/17 18:15		OK
14	I5415-01DUP	OILY-RAGS-DEBRIS	DUP	09/26/17 18:22		OK
15	I5421-02	JC-DRUM	SAM	09/26/17 18:22		OK
16	I5423-03	SA-06-092517-A	SAM	09/26/17 18:22		OK
17	I5423-06	SA-06-092517-B	SAM	09/26/17 18:22		OK
18	I5428-02	A-B-C-DRUM-COMP	SAM	09/26/17 18:22		OK
19	PB102619BL	PB102619BL	MB	09/26/17 18:22		OK
20	I5429-02	SV-26493-LM	SAM	09/26/17 18:41		OK
21	I5429-02DUP	SV-26493-LMDUP	DUP	09/26/17 18:41		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				
LB90336						
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ICAL Standard		WP58279,WP58280,WP58281,WP58282,WP58283,WP58284,WP58277				
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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		wp55355,wp55836,wp58285				
22	CCV2	CCV2	CCV	09/26/17 18:41		OK
23	CCB2	CCB2	CCB	09/26/17 18:41		OK



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	OILY-RAGS-DEBRIS	SDG No.:	LB90336
Lab Sample ID:	I5415-01	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	-0.0064	U	1	0.025		0.05	mg/Kg	09/26/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	JC-DRUM	SDG No.:	LB90336
Lab Sample ID:	I5421-02	Matrix:	Solid
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0046	U	1	0.025		0.05	mg/Kg	09/26/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	SA-06-092517-A	SDG No.:	LB90336
Lab Sample ID:	I5423-03	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	-0.0083	U	1	0.025		0.05	mg/Kg	09/26/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	SA-06-092517-B	SDG No.:	LB90336
Lab Sample ID:	I5423-06	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	-0.0031	U	1	0.025		0.05	mg/Kg	09/26/2017	09/26/2017	9012B

Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	A-B-C-DRUM-COMP	SDG No.:	LB90336
Lab Sample ID:	I5428-02	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	-0.0089	U	1	0.025		0.05	mg/Kg	09/26/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	SV-26493-LM	SDG No.:	LB90336
Lab Sample ID:	I5429-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00067	U	1	0.0025		0.005	mg/L	09/26/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/25/2017 12:00:00 AM
Project:	LB90336	Date Received:	9/25/2017 12:00:00 AM
Client Sample ID:	SV-26493-LM	SDG No.:	LB90336
Lab Sample ID:	I5429-02	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: LB90336

SDG No.: LB90336

Contract: _____

Lab Code: CHEM

Case No.: LB90336

SAS No.: LB90336

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
ICV1	Reactive Cyanide	0.098	0.099	99	0	85 - 115		09/26/2017	18:14	LB90336



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90336

SDG No.: LB90336

Contract: _____ Lab Code: CHEM

Case No.: LB90336

SAS No.: LB90336

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	0.25	0.25	100	0	90 - 110		09/26/2017	18:15	LB90336
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/26/2017	18:41	LB90336



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90336

SDG No.: LB90336

Contract:

Lab Code: CHEM

Case No.: LB90336

SAS No.: LB90336

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00027	+/-0.005	U		0.005		09/26/2017	18:15	LB90336

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00014	+/-0.005	U		0.005		09/26/2017	18:15	LB90336
CCB2	Reactive Cyanide	0.00065	+/-0.005	U		0.005		09/26/2017	18:41	LB90336



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90336

SDG No.: LB90336

Contract: Lab Code: CHEM

Case No.: LB90336

SAS No.: LB90336

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: LB90336

SDG No.: LB90336

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
PB102617BL	Reactive Cyanide	SOLID		Batch Number:		PB102617		Prep Date:	09/26/2017	
		0.0015	<0.05	U		0.05		09/26/2017	18:15	LB90336
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB102619BL	Reactive Cyanide	WATER		Batch Number:		PB102619		Prep Date:	09/26/2017	
		0.00016	<0.005	U		0.005		09/26/2017	18:22	LB90336

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90336 Level: LOW SDG No.: LB90336
Contract: Lab Code: CHEM Case No.: LB90336 SAS No.: LB90336
Matrix: Solid Sample ID: I5415-01 Client ID: OILY-RAGS-DEBRISDUP
Percent Solids for Sample: 100 Duplicate ID I5415-01DUP 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	-0.0081	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB90336 **Level:** LOW **SDG No.:** LB90336
Contract: **Lab Code:** CHEM **Case No.:** LB90336 **SAS No.:** LB90336
Matrix: WATER **Sample ID:** I5429-02 **Client ID:** SV-26493-LMDUP
Percent Solids for Sample: 0 **Duplicate ID** I5429-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.00055	U			