

Daily Analysis Runlog For Sequence/QC Batch ID # LB95375

Review By

Review On

SubDirectory

LB95375

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP64476,WP64477,WP64478,WP64479,WP64480,WP64481,WP64482				
ICV Standard		W1542				
CCV Standard		WP64482				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64485,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/15/18 08:11		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/15/18 08:11		OK
3	10PPBCN	10PPBCN	CAL3	05/15/18 08:11		OK
4	50PPBCN	50PPBCN	CAL4	05/15/18 08:11		OK
5	100PPBCN	100PPBCN	CAL5	05/15/18 08:11		OK
6	250PPBCN	250PPBCN	CAL6	05/15/18 08:11		OK
7	500PPBCN	500PPBCN	CAL7	05/15/18 08:11		OK
8	ICV1	ICV1	ICV	05/15/18 15:51		OK
9	ICB1	ICB1	ICB	05/15/18 15:51		OK
10	CCV1	CCV1	CCV	05/15/18 15:51		OK
11	CCB1	CCB1	CCB	05/15/18 15:51		OK
12	PB109286BL	PB109286BL	MB	05/15/18 15:51		OK
13	PB109286BS	PB109286BS	LCS	05/15/18 15:51		OK
14	J1759-01	15TH-ST-SP-A	SAM	05/15/18 15:51		OK
15	J1759-01DUP	15TH-ST-SP-ADUP	DUP	05/15/18 15:51		OK
16	J1759-01MS	15TH-ST-SP-AMS	MS	05/15/18 15:51		OK
17	J1759-01MSD	15TH-ST-SP-AMSD	MSD	05/15/18 15:51		OK
18	J2267-01	KG-GRAVEL	SAM	05/15/18 15:51		OK
19	J2910-01	FK-SF-01-004-A	SAM	05/15/18 15:55		OK
20	J2910-03	FK-SF-01-004-B	SAM	05/15/18 15:55		OK
21	CCV2	CCV2	CCV	05/15/18 15:55		OK



Instrument ID : KONELAB

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

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LB95375						
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ICV Standard	W1542					
CCV Standard	WP64482					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	WP62802					
Chk Standard	WP64485,WP59958,WP60878					
22	CCB2	CCB2	CCB	05/15/18 15:55		OK

Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95375	Date Received:	5/14/2018 12:00:00 AM
Client Sample ID:	15TH-ST-SP-A	SDG No.:	LB95375
Lab Sample ID:	J1759-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.24	J	1	0.037		0.28	mg/Kg	05/15/2018	05/15/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95375	Date Received:	5/14/2018 12:00:00 AM
Client Sample ID:	KG-GRAVEL	SDG No.:	LB95375
Lab Sample ID:	J2267-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.037		0.28	mg/Kg	05/15/2018	05/15/2018	9012B

Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95375	Date Received:	5/14/2018 12:00:00 AM
Client Sample ID:	FK-SF-01-004-A	SDG No.:	LB95375
Lab Sample ID:	J2910-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.027	U	1	0.035		0.27	mg/Kg	05/15/2018	05/15/2018	9012B

Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95375	Date Received:	5/14/2018 12:00:00 AM
Client Sample ID:	FK-SF-01-004-B	SDG No.:	LB95375
Lab Sample ID:	J2910-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.015	U	1	0.035		0.27	mg/Kg	05/15/2018	05/15/2018	9012B

Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95375	Date Received:	5/14/2018 12:00:00 AM
Client Sample ID:	FK-SF-01-004-B	SDG No.:	LB95375
Lab Sample ID:	J2910-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

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: LB95375

SDG No.: LB95375

Contract: _____ Lab Code: CHEM

Case No.: LB95375

SAS No.: LB95375

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	0.095	0.099	96		85 - 115		05/15/2018	15:51	lb95375



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95375

SDG No.: LB95375

Contract: _____ Lab Code: CHEM

Case No.: LB95375

SAS No.: LB95375

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		05/15/2018	15:51	lb95375
CCV2	Cyanide	0.25	0.25	100		90 - 110		05/15/2018	15:55	lb95375



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95375 **SDG No.:** LB95375
Contract: **Lab Code:** CHEM **Case No.:** LB95375 **SAS No.:** LB95375

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0001	+/-0.005	U		0.005		05/15/2018	15:51	lb95375



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95375

SDG No.: LB95375

Contract:

Lab Code: CHEM

Case No.: LB95375

SAS No.: LB95375

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00017	+/-0.005	U		0.005		05/15/2018	15:51	1b95375
CCB2	Cyanide	-0.00025	+/-0.005	U		0.005		05/15/2018	15:55	1b95375



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95375

SDG No.: LB95375

Contract: Lab Code: CHEM

Case No.: LB95375

SAS No.: LB95375

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: LB95375 **SDG No.:** LB95375

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
PB109286BL	Cyanide	SOLID -0.032	<0.25	Batch Number: U		PB109286 0.25		Prep Date: 05/15/2018	05/15/2018 15:51	lb95375



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95375 level: low sdg no.: LB95375
contract: lab code: CHEM case no.: LB95375 sas no.: LB95375
matrix: Solid sample id: J1759-01 client id: 15TH-ST-SP-AMS
Percent Solids for Sample: 86.4 Spiked ID: J1759-01MS Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.24	J	2.2	85		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95375 level: low sdg no.: LB95375
contract: lab code: CHEM case no.: LB95375 sas no.: LB95375
matrix: Solid sample id: J1759-01 client id: 15TH-ST-SP-AMSD
Percent Solids for Sample: 86.4 Spiked ID: J1759-01MSD Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.24	J	2.2	85		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95375 **Level:** LOW **SDG No.:** LB95375
Contract: **Lab Code:** CHEM **Case No.:** LB95375 **SAS No.:** LB95375
Matrix: Solid **Sample ID:** J1759-01 **Client ID:** 15TH-ST-SP-ADUP
Percent Solids for Sample: 86.4 **Duplicate ID** J1759-01DUP **Percent Solids for Spike Sample:** 86.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.24	J	0.25	J	4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95375 **Level:** LOW **SDG No.:** LB95375
Contract: **Lab Code:** CHEM **Case No.:** LB95375 **SAS No.:** LB95375
Matrix: Solid **Sample ID:** J1759-01MS **Client ID:** 15TH-ST-SP-AMSD
Percent Solids for Sample: 86.4 **Duplicate ID** J1759-01MSD **Percent Solids for Spike Sample:** 86.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1		2.1		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95375

SDG No.: LB95375

Contract:

Lab Code: CHEM

Case No.: LB95375

SAS No.: LB95375

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109286BS Cyanide	mg/Kg	5	4.7		94	85 - 115	