

Daily Analysis Runlog For Sequence/QC Batch ID # LB95631

Review By		Review On				
SubDirectory		LB95631		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64808,WP64809,WP64810,WP64811,WP64812,WP64813,WP64814				
ICV Standard		W1542				
CCV Standard		WP64815				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64817,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/25/18 11:25		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/25/18 11:25		OK
3	10PPBCN	10PPBCN	CAL3	05/25/18 11:25		OK
4	50PPBCN	50PPBCN	CAL4	05/25/18 11:25		OK
5	100PPBCN	100PPBCN	CAL5	05/25/18 11:25		OK
6	250PPBCN	250PPBCN	CAL6	05/25/18 11:25		OK
7	500PPBCN	500PPBCN	CAL7	05/25/18 11:25		OK
8	ICV1	ICV1	ICV	05/25/18 12:50		OK
9	ICB1	ICB1	ICB	05/25/18 12:50		OK
10	CCV1	CCV1	CCV	05/25/18 12:50		OK
11	CCB1	CCB1	CCB	05/25/18 12:50		OK
12	PB109697BL	PB109697BL	MB	05/25/18 12:50		OK
13	PB109697BS	PB109697BS	LCS	05/25/18 12:50		OK
14	LOWPB109697	LOWPB109697	SAM	05/25/18 12:50		OK
15	HIGHPB109697	HIGHPB109697	SAM	05/25/18 12:50		OK
16	J2679-25	EO-03-052418-A	SAM	05/25/18 12:51		OK
17	J2679-25DUP	EO-03-052418-ADUP	DUP	05/25/18 12:51		OK
18	J2679-25MS	EO-03-052418-AMS	MS	05/25/18 12:51		OK
19	J2679-25MSD	EO-03-052418-AMSD	MSD	05/25/18 12:58		OK
20	J2679-27	EO-03-052418-B	SAM	05/25/18 12:58		OK
21	J2679-29	EO-03-052418-C	SAM	05/25/18 12:58		OK

Daily Analysis Runlog For Sequence/QCBatch ID # LB95631

Review By		Review On				
SubDirectory		LB95631		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64808,WP64809,WP64810,WP64811,WP64812,WP64813,WP64814				
ICV Standard		W1542				
CCV Standard		WP64815				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64817,WP64695,WP64696				
22	CCV2	CCV2	CCV	05/25/18 12:58		OK
23	CCB2	CCB2	CCB	05/25/18 12:58		OK
24	J3114-01	NYS-RT-3460	SAM	05/25/18 12:58		OK
25	J3114-04	NYS-RBR-200035	SAM	05/25/18 12:58		OK
26	J3128-01	TJ-SOIL-RO-72-1199	SAM	05/25/18 12:58		OK
27	J3128-04	TJ-OILY-GRAVEL	SAM	05/25/18 12:58		OK
28	J3132-01	FK-GF-01-007-A	SAM	05/25/18 12:58		OK
29	J3132-03	FK-GF-01-007-B	SAM	05/25/18 13:02		OK
30	J3134-01	RICHMOND-RECYC	SAM	05/25/18 13:02		OK
31	CCV3	CCV3	CCV	05/25/18 13:02		OK
32	CCB3	CCB3	CCB	05/25/18 13:02		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95631	Date Received:	
Client Sample ID:	HIGHPB109697	SDG No.:	LB95631
Lab Sample ID:	HIGHPB109697	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	0.5		1	0.003		0.005	mg/L		05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	EO-03-052418-A	SDG No.:	LB95631
Lab Sample ID:	J2679-25	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.
57-12-5	Cyanide	0.15	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	EO-03-052418-B	SDG No.:	LB95631
Lab Sample ID:	J2679-27	Matrix:	Solid
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.077	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	EO-03-052418-C	SDG No.:	LB95631
Lab Sample ID:	J2679-29	Matrix:	Solid
Level (low/med):	low	% Solid:	94.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.065	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	NYS-RT-3460	SDG No.:	LB95631
Lab Sample ID:	J3114-01	Matrix:	Solid
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.057	J	1	0.034		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	NYS-RBR-200035	SDG No.:	LB95631
Lab Sample ID:	J3114-04	Matrix:	Solid
Level (low/med):	low	% Solid:	92.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	TJ-SOIL-RO-72-11995	SDG No.:	LB95631
Lab Sample ID:	J3128-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.036		0.27	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	TJ-OILY-GRAVEL	SDG No.:	LB95631
Lab Sample ID:	J3128-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.053	J	1	0.034		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	FK-GF-01-007-A	SDG No.:	LB95631
Lab Sample ID:	J3132-01	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.
57-12-5	Cyanide	0.15	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	FK-GF-01-007-B	SDG No.:	LB95631
Lab Sample ID:	J3132-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.087	J	1	0.035		0.26	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/24/2018 12:00:00 AM
Project:	LB95631	Date Received:	5/24/2018 12:00:00 AM
Client Sample ID:	RICHMOND-RECYCLING-ROAD-STONE	SDG No.:	LB95631
Lab Sample ID:	J3134-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.19	J	1	0.035		0.27	mg/Kg	05/25/2018	05/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95631	Date Received:	
Client Sample ID:	LOWPB109697	SDG No.:	LB95631
Lab Sample ID:	LOWPB109697	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		05/25/2018	9012B



Report of Analysis

Client:		Date Collected:	
Project:	LB95631	Date Received:	
Client Sample ID:	LOWPB109697	SDG No.:	LB95631
Lab Sample ID:	LOWPB109697	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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95631 **SDG No.:** LB95631
Contract: **Lab Code:** CHEM **Case No.:** LB95631 **SAS No.:** LB95631

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00049	+/-0.005	U		0.005		05/25/2018	12:50	LB95631

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00073	+/-0.005	U		0.005		05/25/2018	12:50	LB95631
CCB2	Cyanide	0.00032	+/-0.005	U		0.005		05/25/2018	12:58	LB95631
CCB3	Cyanide	0.0003	+/-0.005	U		0.005		05/25/2018	13:02	LB95631



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95631

SDG No.: LB95631

Contract: Lab Code: CHEM

Case No.: LB95631

SAS No.: LB95631

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95631

SDG No.: LB95631

Contract: _____

Lab Code: CHEM

Case No.: LB95631

SAS No.: LB95631

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		05/25/2018	12:50	LB95631



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95631

SDG No.: LB95631

Contract: _____ Lab Code: CHEM

Case No.: LB95631

SAS No.: LB95631

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		05/25/2018	12:50	LB95631
CCV2	Cyanide	0.25	0.25	100		90 - 110		05/25/2018	12:58	LB95631
CCV3	Cyanide	0.26	0.25	104		90 - 110		05/25/2018	13:02	LB95631



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB95631

SDG No.: LB95631

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
PB109697BL		SOLID		Batch Number:		PB109697		Prep Date:	05/25/2018	
	Cyanide	0.02	<0.24	U		0.24		05/25/2018	12:50	LB95631



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95631 level: low sdg no.: LB95631
contract: lab code: CHEM case no.: LB95631 sas no.: LB95631
matrix: Solid sample id: J2679-25 client id: EO-03-052418-AMS
Percent Solids for Sample: 93.5 Spiked ID: J2679-25MS Percent Solids for Spike Sample: 93.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.15	J	2.1	88		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95631 level: low sdg no.: LB95631
contract: lab code: CHEM case no.: LB95631 sas no.: LB95631
matrix: Solid sample id: J2679-25 client id: EO-03-052418-AMSD
Percent Solids for Sample: 93.5 Spiked ID: J2679-25MSD Percent Solids for Spike Sample: 93.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.15	J	2.1	88		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95631 **Level:** LOW **SDG No.:** LB95631
Contract: **Lab Code:** CHEM **Case No.:** LB95631 **SAS No.:** LB95631
Matrix: Solid **Sample ID:** J2679-25 **Client ID:** EO-03-052418-ADUP
Percent Solids for Sample: 93.5 **Duplicate ID** J2679-25DUP **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.15	J	0.12	J	22	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB95631 **Level:** LOW **SDG No.:** LB95631
Contract: **Lab Code:** CHEM **Case No.:** LB95631 **SAS No.:** LB95631
Matrix: Solid **Sample ID:** J2679-25MS **Client ID:** EO-03-052418-AMSD
Percent Solids for Sample: 93.5 **Duplicate ID** J2679-25MSD **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		

