

Daily Analysis Runlog For Sequence/QC Batch ID # LB88714

Review By		Review On				
SubDirectory		LB88714		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP56430				
ICV Standard		WP56432				
CCV Standard		WP56431				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP56410				
Chk Standard		WP53648,WP53649,WP56433				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	07/14/17 10:18		OK
2	0.1PPM	0.1PPM	CAL2	07/14/17 10:18		OK
3	0.25PPM	0.25PPM	CAL3	07/14/17 10:18		OK
4	0.50PPM	0.50PPM	CAL4	07/14/17 10:18		OK
5	1.0PPM	1.0PPM	CAL5	07/14/17 10:18		OK
6	2.0PPM	2.0PPM	CAL6	07/14/17 10:18		OK
7	ICV1	ICV1	ICV	07/14/17 10:44		OK
8	ICB1	ICB1	ICB	07/14/17 10:44		OK
9	CCV1	CCV1	CCV	07/14/17 10:44		OK
10	CCB1	CCB1	CCB	07/14/17 10:44		OK
11	PB100632BL	PB100632BL	MB	07/14/17 10:44		OK
12	PB100632BS	PB100632BS	LCS	07/14/17 10:44		OK
13	I4185-01	HDD-PILWC1	SAM	07/14/17 10:44		OK
14	I4185-01DUP	HDD-PILWC1DUP	DUP	07/14/17 10:44		OK
15	I4185-01MS	HDD-PILWC1MS	MS	07/14/17 10:44		OK
16	I4185-01MSD	HDD-PILWC1MSD	MSD	07/14/17 10:44		OK
17	CCV2	CCV2	CCV	07/14/17 10:44		OK
18	CCB2	CCB2	CCB	07/14/17 10:44		OK



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88714	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	HDD-PILWC1	SDG No.:	LB88714
Lab Sample ID:	I4185-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.049	U	1	0.62		3.1	mg/Kg	07/13/2017	07/14/2017	9065



Report of Analysis

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Project:	LB88714	Date Received:	7/13/2017 12:00:00 AM
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Lab Sample ID:	I4185-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.8

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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88714

SDG No.: LB88714

Contract: _____ Lab Code: CHEM

Case No.: LB88714

SAS No.: LB88714

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	Phenolics	0.98	1	98	0	90 - 110		07/14/2017	10:44	LB88714
CCV2	Phenolics	0.98	1	98	0	90 - 110		07/14/2017	10:44	LB88714



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88714 **SDG No.:** LB88714
Contract: **Lab Code:** CHEM **Case No.:** LB88714 **SAS No.:** LB88714

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	-0.0034	+/-0.05	U		0.05		07/14/2017	10:44	LB88714

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0014	+/-0.05	U		0.05		07/14/2017	10:44	LB88714
CCB2	Phenolics	-0.0001	+/-0.05	U		0.05		07/14/2017	10:44	LB88714



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88714

SDG No.:

LB88714

Contract:

Lab Code:

CHEM

Case No.:

LB88714

SAS No.:

LB88714

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

Client: LB88714

SDG No.: LB88714

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
PB100632BL		SOLID		Batch Number:		PB100632		Prep Date:	07/13/2017	
	Phenolics	0.02	<2.5	U		2.5		07/14/2017	10:44	LB88714



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MATRIX SPIKE SUMMARY

client: LB88714 level: low sdg no.: LB88714
contract: lab code: CHEM case no.: LB88714 sas no.: LB88714
matrix: Solid sample id: I4185-01 client id: HDD-PILWC1MS
Percent Solids for Sample: 78.8 Spiked ID: I4185-01MS Percent Solids for Spike Sample: 78.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	57.4		0.62	U	62.2	92.3		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88714 level: low sdg no.: LB88714
contract: lab code: CHEM case no.: LB88714 sas no.: LB88714
matrix: Solid sample id: I4185-01 client id: HDD-PILWC1MSD
Percent Solids for Sample: 78.8 Spiked ID: I4185-01MSD Percent Solids for Spike Sample: 78.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	56.8		0.62	U	61.6	92.2		

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DUPLICATE SAMPLE SUMMARY

Client: LB88714 **Level:** LOW **SDG No.:** LB88714
Contract: **Lab Code:** CHEM **Case No.:** LB88714 **SAS No.:** LB88714
Matrix: Solid **Sample ID:** I4185-01 **Client ID:** HDD-PILWC1DUP
Percent Solids for Sample: 78.8 **Duplicate ID** I4185-01DUP **Percent Solids for Spike Sample:** 78.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.62	U	-0.037	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB88714 **Level:** LOW **SDG No.:** LB88714
Contract: **Lab Code:** CHEM **Case No.:** LB88714 **SAS No.:** LB88714
Matrix: Solid **Sample ID:** I4185-01MS **Client ID:** HDD-PILWC1MSD
Percent Solids for Sample: 78.8 **Duplicate ID** I4185-01MSD **Percent Solids for Spike Sample:** 78.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	57.4		56.8		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88714

SDG No.: LB88714

Contract:

Lab Code: CHEM

Case No.: LB88714

SAS No.: LB88714

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100632BS Phenolics	mg/Kg	48.5	47.7		98.4	80 - 120	