

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Phenolics	1	1	100	0	90 - 110		05/04/2017	11:50	LB87244



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87244

SDG No.: LB87244

Contract: _____ Lab Code: CHEM

Case No.: LB87244

SAS No.: LB87244

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	1	1	100	0	90 - 110		05/04/2017	11:50	LB87244
CCV2	Phenolics	1	1	100	0	90 - 110		05/04/2017	11:55	LB87244



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB87244	SDG No.:	LB87244				
Contract:		Lab Code:	CHEM	Case No.:	LB87244	SAS No.:	LB87244

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0038	+/-0.05	U		0.05		05/04/2017	11:50	LB87244



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87244		SDG No.: LB87244								
Contract:	Lab Code: CHEM	Case No.: LB87244	SAS No.: LB87244							
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0006	+/-0.05	U		0.05		05/04/2017	11:51	LB87244
CCB2	Phenolics	0.001	+/-0.05	U		0.05		05/04/2017	11:55	LB87244



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87244

SDG No.: LB87244

Contract: Lab Code: CHEM

Case No.: LB87244

SAS No.: LB87244

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

Client:		Date Collected:	5/1/2017 12:00:00 AM
Project:	LB87244	Date Received:	5/1/2017 12:00:00 AM
Client Sample ID:	TP2-COMP(1-10FT)	SDG No.:	LB87244
Lab Sample ID:	I2936-05	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.16	U	1	0.54		2.7	mg/Kg	05/03/2017	05/04/2017	9065



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Report of Analysis

Client:		Date Collected:	5/1/2017 12:00:00 AM
Project:	LB87244	Date Received:	5/1/2017 12:00:00 AM
Client Sample ID:	TP3-COMP(0.5-4.5FT)	SDG No.:	LB87244
Lab Sample ID:	I2936-11	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.25	U	1	0.53		2.6	mg/Kg	05/03/2017	05/04/2017	9065



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Report of Analysis

Client:		Date Collected:	5/1/2017 12:00:00 AM
Project:	LB87244	Date Received:	5/1/2017 12:00:00 AM
Client Sample ID:	TP6-COMP(0.5-5FT)	SDG No.:	LB87244
Lab Sample ID:	I2936-17	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.17	U	1	0.52		2.6	mg/Kg	05/03/2017	05/04/2017	9065



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Report of Analysis

Client:		Date Collected:	5/2/2017 12:00:00 AM
Project:	LB87244	Date Received:	5/2/2017 12:00:00 AM
Client Sample ID:	TP7-8-COMP	SDG No.:	LB87244
Lab Sample ID:	I2953-03	Matrix:	Solid
Level (low/med):	low	% Solid:	77.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.7	J	1	0.61		3	mg/Kg	05/03/2017	05/04/2017	9065



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Report of Analysis

Client:		Date Collected:	5/2/2017 12:00:00 AM
Project:	LB87244	Date Received:	5/2/2017 12:00:00 AM
Client Sample ID:	TP7-8-COMP	SDG No.:	LB87244
Lab Sample ID:	I2953-03	Matrix:	Solid
Level (low/med):	low	% Solid:	77.7

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
- 3b -
PREPARATION BLANK SUMMARY

Client: LB87244

SDG No.: LB87244

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
PB98679BL	Phenolics	SOLID 0.19	<2.5	Batch Number: U		PB98679 2.5		Prep Date: 05/04/2017	05/03/2017 11:51	LB87244



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB87244 level: low sdg no.: LB87244
contract: lab code: CHEM case no.: LB87244 sas no.: LB87244
matrix: Solid sample id: I2936-05 client id: TP2-COMP(1-10FT)MS
Percent Solids for Sample: 88.7 Spiked ID: I2936-05MS Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	47.2		0.54	U	53.2	88.7		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87244 level: low sdg no.: LB87244
contract: lab code: CHEM case no.: LB87244 sas no.: LB87244
matrix: Solid sample id: I2936-05 client id: TP2-COMP(1-10FT)MSD
Percent Solids for Sample: 88.7 Spiked ID: I2936-05MSD Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	46.6		0.54	U	52.7	88.4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB87244 **Level:** LOW **SDG No.:** LB87244
Contract: **Lab Code:** CHEM **Case No.:** LB87244 **SAS No.:** LB87244
Matrix: Solid **Sample ID:** I2936-05 **Client ID:** TP2-COMP(1-10FT)DUP
Percent Solids for Sample: 88.7 **Duplicate ID** I2936-05DUP **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.54	U	0.085	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB87244 **Level:** LOW **SDG No.:** LB87244
Contract: _____ **Lab Code:** CHEM **Case No.:** LB87244 **SAS No.:** LB87244
Matrix: Solid **Sample ID:** I2936-05MS **Client ID:** TP2-COMP(1-10FT)MSD
Percent Solids for Sample: 88.7 **Duplicate ID** I2936-05MSD **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	47.2		46.6		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87244

SDG No.: LB87244

Contract:

Lab Code: CHEM

Case No.: LB87244

SAS No.: LB87244

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98679BS Phenolics	mg/Kg	48.5	50.5		104.1	80 - 120	