



Van Voast Farms
42295 Irvine Flats Rd
Polson, WI 59860

Report Number: P180495
Report Date: May 01, 2018
Client Project ID: [none]

Analytical Report

Client Sample ID: Raw Hard Red Spring Wheat
Matrix: plant tissue

PAL Sample ID: P180495-01
Sample Date: 4/12/18
Received Date: 4/16/18

Extraction Date	Analysis Date	Analyte	Amount Detected	Limit of Quantitation	Notes
Method: (LC-MS/MS)					
4/24/18	5/1/18	AMPA	ND	0.12 mg/kg	
4/24/18	5/1/18	Glyphosate	ND	0.030 mg/kg	
Method: FDA PAM II Method 180.292 (GC-MS/MS)					
4/18/18	4/20/18	2,4,5-T	ND	0.020 mg/kg	
4/18/18	4/20/18	2,4,5-TP	ND	0.020 mg/kg	
4/18/18	4/20/18	2,4-D	ND	0.020 mg/kg	
4/18/18	4/20/18	2,4-DB	ND	0.020 mg/kg	
4/18/18	4/20/18	Acifluorfen	ND	0.020 mg/kg	
4/18/18	4/20/18	Bentazon	ND	0.020 mg/kg	
4/18/18	4/20/18	Clopyralid	ND	0.020 mg/kg	
4/18/18	4/20/18	Dicamba	ND	0.020 mg/kg	
4/18/18	4/20/18	Dichlorprop	ND	0.020 mg/kg	
4/18/18	4/20/18	Dinoseb	ND	0.020 mg/kg	
4/18/18	4/20/18	MCPA	ND	0.020 mg/kg	
4/18/18	4/20/18	MCPP	ND	0.020 mg/kg	
4/18/18	4/20/18	Picloram	ND	0.020 mg/kg	
4/18/18	4/20/18	Quinclorac	ND	0.020 mg/kg	
4/18/18	4/20/18	Triclopyr	ND	0.020 mg/kg	

Rick Jordan, Laboratory Manager

This analytical report complies with the ISO/IEC 17025:2005 Quality Standard.



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Quality Assurance

Method Blank Data Matrix: plant tissue

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/18/18	4/20/18	8041802-BLK1	2,4,5-T	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	2,4,5-TP	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	2,4-D	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	2,4-DB	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Acifluorfen	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Bentazon	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Clopyralid	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Dicamba	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Dichlorprop	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Dinoseb	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	MCPA	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	MCPP	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Picloram	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Quinclorac	Not Detected	< 0.0067 mg/kg	
4/18/18	4/20/18	8041802-BLK1	Triclopyr	Not Detected	< 0.0067 mg/kg	

Method Blank Data Matrix: plant tissue

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/24/18	5/1/18	8042402-BLK1	AMPA	Not Detected	< 0.12 mg/kg	
4/24/18	5/1/18	8042402-BLK1	Glyphosate	Not Detected	< 0.030 mg/kg	

Matrix Spike Data Matrix: plant tissue

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/18/18	4/20/18	8041802-MS1	2,4-D	118	27-139	
4/18/18	4/20/18	8041802-MS1	Triclopyr	115	23-136	

Matrix Spike Data Matrix: plant tissue

Extraction Date	Analysis Date	Batch QC Sample #	Analyte	% Recovery	Expected % Recovery	Notes
4/24/18	5/1/18	8042402-MS1	AMPA	77	60-140	
4/24/18	5/1/18	8042402-MS1	Glyphosate	57	60-140	R2

Rick Jordan, Laboratory Manager

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Analyte Information

Method: FDA PAM II Method 180.292 (GC-MS/MS)

Chlorinated acids were converted to free acids. Residues were quantitated as free acids.

Project Notes

Notes	Definition
R2	Spike recovery is outside of provisional control limits. Permanent control limits have not been established.

A handwritten signature in cursive script, appearing to read 'Rick Jordan'.

Rick Jordan, Laboratory Manager

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Quality Standard.*