



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
<b>Method: (LC-MS/MS)</b>					
4/24/18	5/1/18	AMPA	ND	0.12 mg/kg	
4/24/18	5/1/18	Glyphosate	ND	0.030 mg/kg	
<b>Method: FDA PAM II Method 180.292 (GC-MS/MS)</b>					
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

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



Pacific Agricultural Laboratory

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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.*