



American College Of Healthcare Sciences

5940 SW Hood Ave
Portland, OR 97239

Client Sample ID: Sweet Orange 16068R

PAL Sample ID: P180112-04

Sample Type:

Report Number: P180112

Report Date: February 08, 2018

Client Project ID:

Sample Date: 01/25/2018

Received Date: 01/26/2018

Extraction Date: 01/30/2018

Analytical Results

Table with 9 columns: Analysis Date, Analyte, Amount Detected, LOQ (mg/kg), Notes, Analysis Date, Analyte, Amount Detected, LOQ (mg/kg), Notes. Includes a sub-section for Modified EPA 8270D (GC-MS/MS) with 40 rows of data.

Handwritten signature of Rick Jordan



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Analytical Results
(Continued)

Table with columns: Analysis Date, Analyte, Amount Detected, LOQ (mg/kg), Notes, Analysis Date, Analyte, Amount Detected, LOQ (mg/kg), Notes. Includes sections for Modified EPA 8270D (GC-MS/MS) and Modified EPA 8321B (HPLC MS-MS).

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Analytical Results  
(Continued)

Analysis Date	Analyte	Amount Detected	LOQ (mg/kg)	Notes	Analysis Date	Analyte	Amount Detected	LOQ (mg/kg)	Notes
<b>Modified EPA 8321B (HPLC MS-MS) (Continued)</b>									
01/31/2018	Fenhexamid	ND	0.47		02/01/2018	Fenobucarb	ND	0.47	
01/31/2018	Fenpropathrin	ND	0.47		01/31/2018	Fenpyroximate	ND	0.47	
01/31/2018	Fenuron	ND	0.47		01/31/2018	Flonicamid	ND	0.47	
01/31/2018	Fluazinam	ND	0.47		01/31/2018	Flubendiamide	ND	0.95	
01/31/2018	Flumioxazin	ND	0.47		02/01/2018	Fluometuron	ND	0.47	
02/01/2018	Fluopicolide	ND	0.47		01/31/2018	Fluopyram	ND	0.47	
01/31/2018	Fluoxastrobin	ND	0.47		01/31/2018	Flupyradifurone	ND	0.47	
02/01/2018	Fluridone	ND	0.47		01/31/2018	Flutriafol	ND	0.47	
02/01/2018	Fluvalinate	ND	0.47		01/31/2018	Fluxapyroxad	ND	0.47	
02/01/2018	Fonofos	ND	0.95		01/31/2018	Formetanate HCl	ND	0.47	
02/01/2018	Hexaconazole	ND	0.47		01/31/2018	Hexazinone	ND	0.47	
01/31/2018	Hexythiazox	ND	0.47		01/31/2018	Imazalil	ND	0.47	
01/31/2018	Imidacloprid	ND	0.47		02/01/2018	Indaziflam	ND	0.47	
01/31/2018	Indoxacarb	ND	0.47		01/31/2018	Iprodione	ND	0.47	
02/01/2018	Isoxaben	ND	0.47		02/01/2018	Linuron	ND	0.47	
02/01/2018	Malaoxon	ND	0.47		02/01/2018	Mandipropamid	ND	0.47	
01/31/2018	Metconazole	ND	0.47		02/01/2018	Methamidophos	ND	0.95	
01/31/2018	Methidathion	ND	0.47		02/01/2018	Methiocarb	ND	0.47	
01/31/2018	Methomyl	ND	0.47		01/31/2018	Methoxyfenozide	ND	0.47	
01/31/2018	Metrafenone	ND	0.47		02/01/2018	Metribuzin	ND	0.47	
02/01/2018	Mevinphos	ND	0.47		01/31/2018	Norflurazon	ND	0.47	
01/31/2018	Novaluron	ND	0.47		02/01/2018	Omethoate	ND	0.47	
01/31/2018	Oryzalin	ND	0.47		02/01/2018	Oxadixyl	ND	0.47	
01/31/2018	Oxamyl	ND	0.47		01/31/2018	Oxydemeton-Methyl	ND	0.47	
01/31/2018	Penthiopyrad	ND	0.47		02/01/2018	Phorate Sulfone	ND	0.47	
02/01/2018	Phorate Sulfoxide	ND	0.47		02/01/2018	Phosalone	ND	0.47	
01/31/2018	Phosmet	ND	0.47		02/01/2018	Phosphamidon	ND	0.47	
01/31/2018	Piperonyl Butoxide	ND	0.47		01/31/2018	Pirimicarb	ND	0.47	
02/01/2018	Pirimiphos-methyl	ND	0.47		02/01/2018	Prometon	ND	0.47	
02/01/2018	Prometryn	ND	0.47		01/31/2018	Propargite	ND	0.47	
01/31/2018	Propazine	ND	0.47		01/31/2018	Propiconazole	ND	0.95	
01/31/2018	Prothioconazole	ND	0.95		02/01/2018	Pymetrozine	ND	0.47	
01/31/2018	Pyraclostrobin	ND	0.47		02/01/2018	Pyraflufen-ethyl	ND	0.47	
01/31/2018	Pyrethrin	ND	2.4		01/31/2018	Pyridaben	ND	0.47	
01/31/2018	Pyrimethanil	ND	0.47		01/31/2018	Rotenone	ND	0.47	
01/31/2018	Saflufenacil	ND	0.47		02/01/2018	Sethoxydim	ND	0.95	
02/01/2018	Siduron	ND	0.47		01/31/2018	Simazine	ND	0.47	
02/01/2018	Simetryn	ND	0.47		01/31/2018	Spinetoram	ND	0.47	
01/31/2018	Spinosad	ND	0.47		01/31/2018	Spiromesifen	ND	0.95	
01/31/2018	Spirotetramat	ND	0.47		02/01/2018	Spiroxamine	ND	0.47	



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### Analytical Results (Continued)

Analysis Date	Analyte	Amount Detected	LOQ (mg/kg)	Notes	Analysis Date	Analyte	Amount Detected	LOQ (mg/kg)	Notes
<b>Modified EPA 8321B (HPLC MS-MS) (Continued)</b>									
02/01/2018	Sulfentrazone	ND	0.47		01/31/2018	Sulfoxaflor	ND	0.47	
01/31/2018	Tebuconazole	ND	0.47		01/31/2018	Tebuconazole	ND	0.47	
02/01/2018	Tebuthiuron	ND	0.47		01/31/2018	Terbacil	ND	0.47	
02/01/2018	Terbutylazine	ND	0.47		01/31/2018	Terbutryn	ND	0.47	
01/31/2018	Thiabendazole	ND	0.47		01/31/2018	Thiacloprid	ND	0.47	
01/31/2018	Thiamethoxam	ND	0.47		02/01/2018	Thiobencarb	ND	0.47	
02/01/2018	Thiodicarb	ND	0.47		01/31/2018	Thiophanate methyl	ND	0.47	
01/31/2018	Tolfenpyrad	ND	0.47		01/31/2018	Triadimefon	ND	0.47	
01/31/2018	Triadimenol	ND	0.95		01/31/2018	Trifloxystrobin	ND	0.47	
01/31/2018	Triflumizole	ND	0.47						

### Notes and Definitions

Notes	Definition
LOQ	Limit of Quantitation
MRL	Maximum Residue Level
ND	Not Detected
*	Not included under current scope of accreditation

The results contained in this report relate only to the items tested.  
The results reflect the condition of the samples as received by PAL.  
Samples will be stored for a minimum of 60 days after the final report is issued, as described in our Quality Manual.  
Reports should not be reproduced, except in full, without written approval from PAL.  
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