

Date: 11/11/14

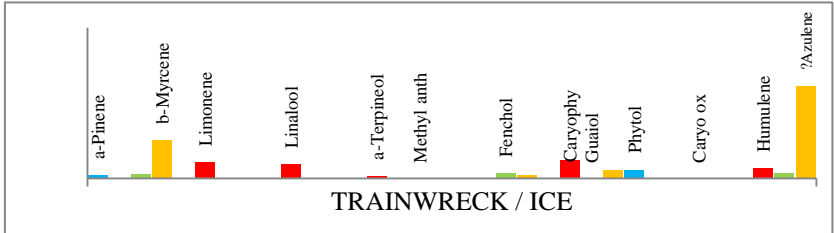
9755 SW Commerce Circle Suite B-3  
 Wilsonville, OR 97070  
 503-625-6593

ECO Firma Farms

Terpene results for the sample received on 11/5/14. Analysis by GC/MS (Mod 8270)

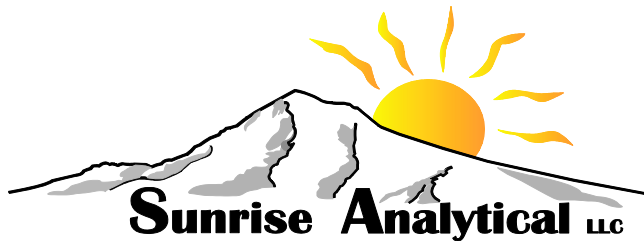
Sample Name:	Trainwreck			Batch QC		Detection Limit
	/ ICE			14K006-04dup	140118-BLK	
Lab ID:	14K006-04					
alpha-Pinene	0.7			0.7	ND	0.5 mg/g
Camphene	ND			ND	ND	0.5 mg/g
beta-Pinene	0.9			0.9	ND	0.5 mg/g
beta-Myrcene	8.0			8.0	ND	0.5 mg/g
p-Cymene	ND			ND	ND	0.5 mg/g
Limonene	3.3			3.3	ND	0.5 mg/g
3-Carene	ND			ND	ND	0.5 mg/g
2-Carene	ND			ND	ND	0.5 mg/g
Eucalyptol	ND			ND	ND	0.5 mg/g
Linalool	3.0			2.9	ND	0.5 mg/g
cis-Ocimene	ND			ND	ND	0.5 mg/g
Borneol	ND			ND	ND	0.5 mg/g
Terpinen-4-ol	ND			ND	ND	0.5 mg/g
alpha-Terpineol	0.5			0.5	ND	0.5 mg/g
gamma-Terpineol	ND			ND	ND	0.5 mg/g
Methyl anthranilate	ND			ND	ND	0.5 mg/g
trans-Ocimene	ND			ND	ND	0.5 mg/g
?*unknown1	ND			ND	ND	0.5 mg/g
?*-2-Carene	ND			ND	ND	0.5 mg/g
Fenchol	1.2			1.1	ND	0.5 mg/g
?*-cis-2-Pinanol(v)	0.7			0.7	ND	0.5 mg/g
?*-Butanoic acid,hex es	ND			ND	ND	0.5 mg/g
?*Total Monoterpenes	25.0			25.0	ND	0.5 mg/g
Caryophyllene	3.7			3.7	ND	0.5 mg/g
Guaiol	ND			ND	ND	0.5 mg/g
alpha-Bisabolol	1.8			1.8	ND	0.5 mg/g
Phytol	1.8			1.8	ND	0.5 mg/g
cis-Nerolidol	ND			ND	ND	0.5 mg/g
trans-Nerolidol	ND			ND	ND	0.5 mg/g
Caryophyllene oxide	ND			ND	ND	0.5 mg/g
?**Germacrene B	ND			ND	ND	0.5 mg/g
?**beta-Caryophyllene	ND			ND	ND	0.5 mg/g
Humulene	2.1			2.1	ND	0.5 mg/g
?**alpha-Farnesene	1.2			1.1	ND	0.5 mg/g
?**l-Azulene	19.0			18.5	ND	0.5 mg/g
**lTotal Sesquiterpenes	55.0			55.0	ND	0.5 mg/g
Water (% moisture)	0.0%			0.0%	NA	±0.2%
Surrogate % Recovery:	95%			91%	95%	d6-Phenol
Extraction Date:	11/7/14			11/7/14	11/7/14	
Analysis Date:	11/8/14			11/8/14	11/8/14	

NA = Not Applicable ND = Not Detected  
 Detection Limit is based on the dry weight equivalent.  
 -BLK = The method blank associated with this batch.  
 -dup = The method duplicate associated with this batch.  
 \*Compound concentration is estimated based on linalool.  
 \*\*Compound concentration is estimated based on caryophyllene.  
 ? Compound has not been verified by standard.



Analyst: Pat Marshall  
 Sr. Chemist

Date: 11/11/14



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Cannabinoid results for the sample received on 11/5/14.

Analysis by GC/MS (Mod 8270)

Sample Name:	Trainwreck		Batch QC		Detection Limit
	/ ICE		14K006-04dup	140118-BLK	
Lab ID:	14K006-04				
THC	717		706	ND	0.5 mg/g
as THC	35.9		35.3	ND	0.5 mg/g
as THCA	770		758	ND	0.5 mg/g
CBD Cannabidiol	4.5		4.3	ND	0.5 mg/g
as CBD	ND		ND	ND	0.5 mg/g
as CBDA	4.8		4.6	ND	0.5 mg/g
CBN Cannabinol	9.8		9.4	ND	0.5 mg/g
*CBC1 Cannabichromene	ND		ND	ND	0.5 mg/g
*CBC2 Cannabichromene	ND		ND	ND	0.5 mg/g
*CBC3 Cannabichromene	ND		ND	ND	0.5 mg/g
CBC Cannabichromene	9.8		9.3	ND	0.5 mg/g
*THCV Tetrahydrocannabivarin	15.2		14.3	ND	0.5 mg/g
*CBG Cannabigerol	26		25	ND	0.5 mg/g
*CBDV Cannabidivanol	ND		ND	ND	0.5 mg/g
delta-8-THC	ND		ND	ND	0.5 mg/g
*?THC-C4	2.1		2.0	ND	0.5 mg/g
*CBP ?Cannabipat	ND		ND	ND	0.5 mg/g
*CB1 ?CBD-C1	ND		ND	ND	0.5 mg/g
*CB2 ?THC-C1	ND		0.5	ND	0.5 mg/g
*CB3 ?Cannabi-three	1.1		1.1	ND	0.5 mg/g
*CB4 ?Cannabi-four	6.3		6.3	ND	0.5 mg/g
*CB5 ?Cannabi-five	1.4		1.0	ND	0.5 mg/g
*CB6 ?(Z)-CBG-C5	0.7		ND	ND	0.5 mg/g
*CB7 ?Cannabi-seven	ND		ND	ND	0.5 mg/g
*CB8 ?Cannabi-eight	ND		ND	ND	0.5 mg/g
*CB9 ?Cannabi-nine	0.5		0.5	ND	0.5 mg/g
*CB10 ?Cannabi-ten	ND		ND	ND	0.5 mg/g
*Wax1 ?C29	ND		ND	ND	0.5 mg/g
*Wax2 ?C30	ND		ND	ND	0.5 mg/g
Water (% moisture)	0.0%		0.0%	NA	±0.2%
Surrogate % Recovery:	95%		91%	95%	d6-Phenol
Extraction Date:	11/7/14		11/7/14	11/7/14	
Analysis Date:	11/8/14		11/8/14	11/8/14	

NA = Not Applicable ND = Not Detected

Batch QC - High RPD's, due to sample.

Detection Limit is based on the dry weight equivalent.

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\*Compound concentration is estimated based on CBC or CBD.

? Compound has not been verified.

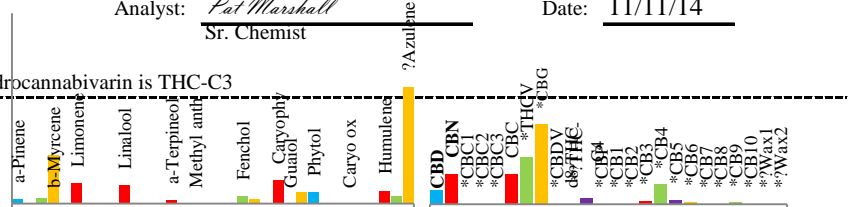
NOTE: THCV Tetrahydrocannabivarin is THC-C3

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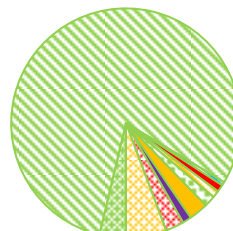
Date: 11/11/14

## TRAINWRECK / ICE

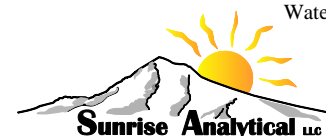
Analysis Date: 11/8/14



THC	71.7%
as THC	3.59%
as THCA	77.0%
CBD	0.45%
as CBD	0.00%
as CBDA	0.48%
CBN	0.98%
total CBC	0.98%
THCV*	1.52%
CBG*	2.6%

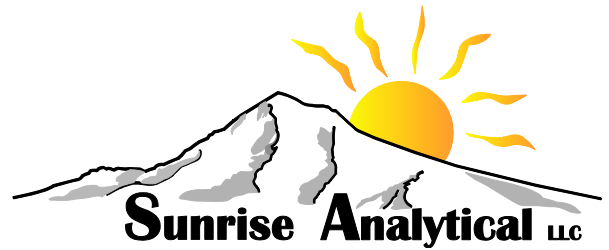


Wax	0%
Other CB's	1.2%
Monoterpenes	2.5%
Sesquiterpenes	5.5%
Water	0%

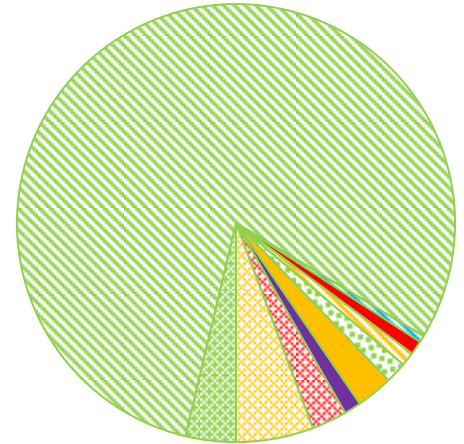


# TRAINWRECK / ICE

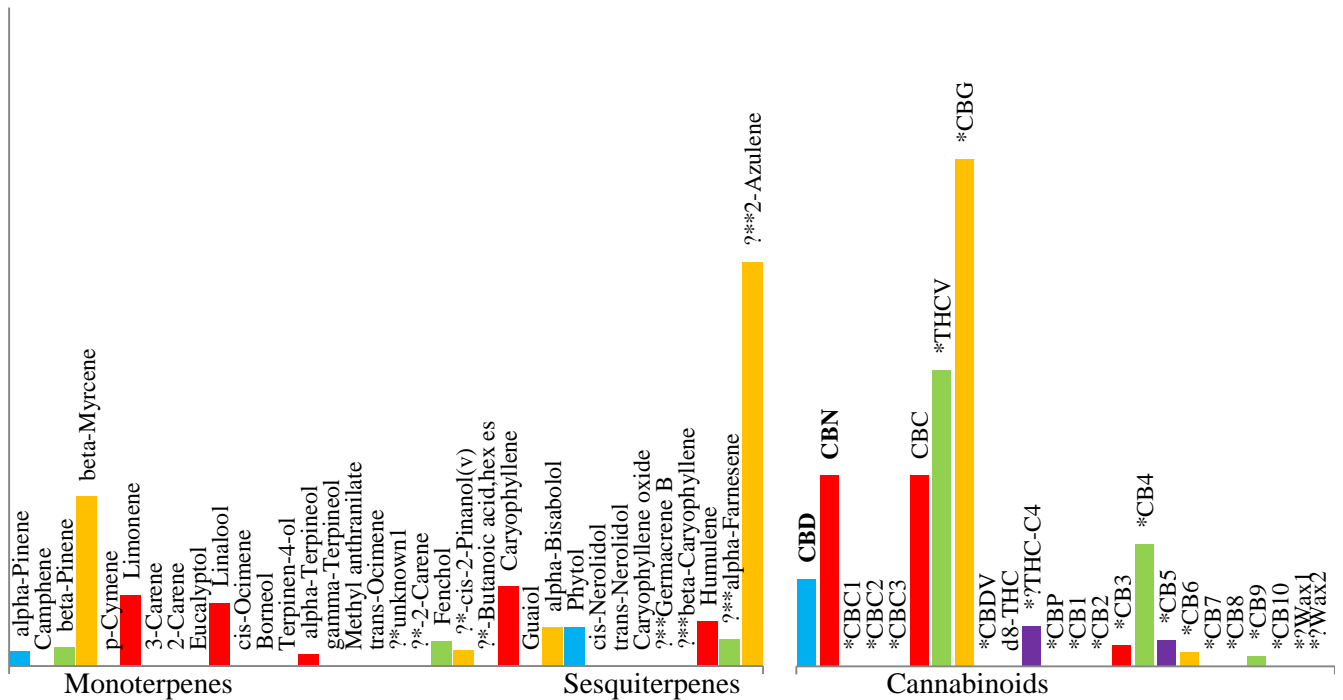
Analysis Date: 11/8/14  
 UV/Vis Inspection:  
 Method 8270:



<b>THC</b>	<b>71.7%</b>
as THC	3.59%
as THCA	77.0%
<b>CBD</b>	<b>0.45%</b>
as CBD	0.00%
as CBDA	0.48%
<b>CBN</b>	<b>0.98%</b>
total CBC	0.98%
THCV	1.52%
CBG	2.6%
Other CB's	1.2%
Monoterpenes	2.5%
Sesquiterpenes	5.5%
Water	0%
Wax	0%



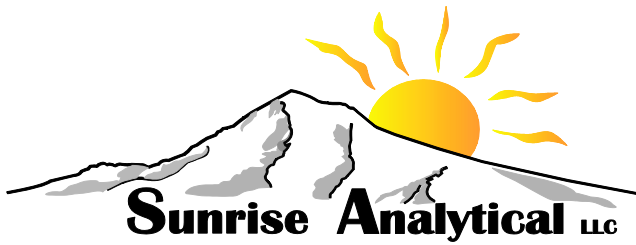
Pie Chart based on Total Extractables



Notes:

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Solvent results for the sample received on 11/5/14.

Analysis by GC/MS (Mod 8270) | Detection Limit

	Trainwreck					
Sample Name:	/ ICE					
Lab ID:	14K006-04					140118s-BLK
Propane	ND					ND
Isobutane	ND					ND
Butane	ND					ND
2-Methyl Butane	ND					ND
Pentane	ND					ND
2-Methyl pentane	ND					ND
3-Methyl pentane	ND					ND
Hexane	ND					ND
Methyl cyclopentane	ND					ND
Isopropyl alcohol	ND					ND
other	ND					ND
Extraction Date:	11/7/14					11/7/14
Analysis Date:	11/8/14					11/8/14

NOTES:

Estimated detection limit of 100ppm based on Hexane

ND = Not Detected

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