



Report Number: 22-005820/D005.R002

**Report Date:** 05/31/2022 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 05/18/22 15:57

This is an amended version of report# 22-005820/D005.R001. Reason: Updated customer information.

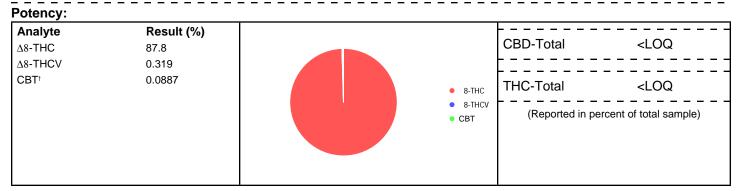
Customer: IHC LLC

**Product identity:** 8 THC Distillate (#1008-051822)

Client/Metrc ID:

**Laboratory ID:** 22-005820-0002

# Summary



# **Residual Solvents:**

All analytes passing and less than LOQ.





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Customer: IHC LLC

825 NW 16th Ave

Portland Oregon 97209 United States of America (USA)

**Product identity:** 8 THC Distillate (#1008-051822)

Client/Metrc ID: .

Sample Date:

**Laboratory ID:** 22-005820-0002

Evidence of Cooling: No
Temp: 18.6 °C
Relinquished by: Client



# **Sample Results**

Potency	<b>Method</b> J	AOAC 20	)15 V98-	-6 (mod)	Units %	Batch: 2204345	<b>Analyze:</b> 5/20/22	7:51:00 PM
Analyte	As	•	LOQ	Notes				
		weight						
CBC	< LOQ		0.0741					
CBC-A <sup>†</sup>	< LOQ		0.0741					
CBC-Total <sup>†</sup>	< LOQ		0.139					8-THC
CBD	< LOQ	(	0.0741			1		8-THCV
CBD-A	< LOQ	(	0.0741					<ul><li>CBT</li></ul>
CBD-Total	< LOQ	(	0.139					
CBDV <sup>†</sup>	< LOQ	(	0.0741					
CBDV-A <sup>†</sup>	< LOQ	(	0.0741					
CBDV-Total <sup>†</sup>	< LOQ	(	0.138					
CBE <sup>†</sup>	< LOQ		0.0741					
CBG <sup>†</sup>	< LOQ	(	0.0741					
CBG-A <sup>†</sup>	< LOQ	(	0.0741					
CBG-Total	< LOQ	(	0.138					
CBL <sup>†</sup>	< LOQ	(	0.0741					
CBL-A <sup>†</sup>	< LOQ	(	0.0741					
CBL-Total <sup>†</sup>	< LOQ	(	0.139					
CBN	< LOQ	(	0.0741					
CBT <sup>†</sup>	0.0887	(	0.0741					
Δ8-THC	87.8	(	0.741					
Δ8-THCV	0.319	(	0.0741					
Δ9-THC	< LOQ	(	0.0741					
exo-THC	< LOQ	(	0.0741					
THC-A	< LOQ	(	0.0741					
THC-Total	< LOQ	(	0.139					
THCV <sup>†</sup>	< LOQ	(	0.0741					
THCV-A <sup>†</sup>	< LOQ	(	0.0741					
THCV-Total <sup>†</sup>	< LOQ	(	0.138					
Total Cannabinoids†	88.2							



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Solvents	Method	Residua	al Solv	ents by	GC/MS	Units µg/g Batch 2	204516	Analyz	<b>e</b> 05/2	27/22 1	0:24 AM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	





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These test results are representative of the individual sample selected and submitted by the client.

# **Abbreviations**

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

## Units of Measure

 $\mu$ g/g = Microgram per gram % = Percentage of sample % wt =  $\mu$ g/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager





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# Hemp & Cannabis: Usable / Extract / Finished Product Chain of Custody Record

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Document Control ID: 2832 Revision: 5 Effective: 01/04/2022

Company: InSupply Labs LLC.					Ana	alysis	Reque	ested				P	O Numb	er:
Contact:Chris _ Coheram			H0010-Potency (Basic + Extended Profile)	H0008-Residual Solvents OR	erpenes	H0013-Heavy Metals (As, Cd, Pb & Hg)	M075-Micro: E.coli and Total Coliform	M283-Micro: Yeast and Mold	H0040-Mycotoxins			Si Custom Source Report	Batch ampled I Reporting Material Ingrupe to: (	
Lab ID Client Sample Identification		P2120-Pesticides OR 59 compounds	H0010-P	H0008-R	H0030-Terpenes	H0013-H	M075-M	M283-M	H0040-N	Other:	Other:	Material Type †		Comments/Metrc ID
CBN Isolate (Date #1017-05050)  A8 THC Distillate #1008-051822)	5/19		J											
	58 pm		Signatu	re-Rec	reived E	By:	5-	ate 8	15	Time		Sampl Payme	nce of co	Lab Use Only:  or $\bigcirc$ Client drop off poling: $\square$ Yes $  \square$ No - Temp (°C): $  \cancel{S_16}  $ d condition: $\square$ Yes $  \square$ No - Section Net: $  \cancel{S_16}  $ OHECK $  \bigcirc$ CC $  \square$ Net: $  \cancel{S_16}  $ OHECK $  \bigcirc$ CC $  \square$ Net: $  \cancel{S_16}  $

† - Material Type Codes: Plant Material (P); Isolate (I); Concentrate/Extract (C); Tincture/Topical (T); Edible (E); Beverage (B); Vapor Product (V)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the <u>current terms of service</u> associated with this COC. By signing "Relinquished by" you are agreeing to these terms 12423 NE Whitoker Way

P: [503] 254-1794 | Fox: [503] 254-1794 |





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Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

## **Laboratory Quality Control Results**

J AUAC 2015 V	0-00				Dati	ch iD: 2204343		
Laboratory Cor	ntrol Sample							
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	1	0.102	0.100	%	102	80.0 - 12	) Acceptable	
CBDV	1	0.109	0.100	%	109	80.0 - 12	) Acceptable	
CBE	1	0.0971	0.100	%	97.1	80.0 - 12	) Acceptable	
CBDA	1	0.103	0.100	%	103	90.0 - 11	) Acceptable	
CBGA	1	0.0966	0.100	%	96.6	80.0 - 12	) Acceptable	
CBG	1	0.0964	0.100	%	96.4	80.0 - 12	) Acceptable	
CBD	1	0.103	0.100	%	103	90.0 - 11	) Acceptable	
THCV	1	0.0992	0.100	%	99.2	80.0 - 12	) Acceptable	
d8THCV	1	0.102	0.100	%	102	80.0 - 12	Acceptable	
THCVA	1	0.0978	0.100	%	97.8	80.0 - 12	Acceptable	
CBN	1	0.104	0.100	%	104	90.0 - 11	Acceptable	
exo-THC	1	0.0967	0.100	%	96.7	80.0 - 12	) Acceptable	
d9THC	1	0.103	0.100	%	103	90.0 - 11	) Acceptable	
d8THC	1	0.0934	0.100	%	93.4	80.0 - 12	) Acceptable	
CBL	1	0.0967	0.100	%	96.7	80.0 - 12	) Acceptable	
CBC	1	0.102	0.100	%	102	80.0 - 12	) Acceptable	
THCA	1	0.0996	0.100	%	99.6	90.0 - 11	) Acceptable	
CBCA	1	0.0996	0.100	%	99.6	80.0 - 12	) Acceptable	
CBLA	1	0.102	0.100	%	102	80.0 - 12	) Acceptable	
CBT	1	0.0950	0.100	%	95.0	80.0 - 12	) Acceptable	

#### **Method Blank**

I AOAC 2015 V09-6

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBDV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBE	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBDA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBGA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBG	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBD	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d8THCV	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCVA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBN	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
exo-THC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
d9THC	<l0q< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></l0q<>	0.077	%	< 0.077	Acceptable	
d8THC	<l0q< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></l0q<>	0.077	%	< 0.077	Acceptable	
CBL	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBC	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
THCA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBCA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBLA	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	
CBT	<loq< td=""><td>0.077</td><td>%</td><td>&lt; 0.077</td><td>Acceptable</td><td></td></loq<>	0.077	%	< 0.077	Acceptable	

## **Abbreviations**

ND - None Detected at or above MRL RPD - Relative Percent Difference LOQ - Limit of Quantitation

## Units of Measure:

% - Percent





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Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

## **Laboratory Quality Control Results**

V98-6				Bato	ch ID: 2204345	j	
cate				Sam	ole ID: <b>22-0050</b> 6	52-0001-01	
Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
3.13	3.26	0.077	%	3.88	< 20	Acceptable	
<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
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<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
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<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
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<loq< td=""><td><loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.077</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.077	%	NA	< 20	Acceptable	
	Result	Result   Org. Result     < 1.00	Result   Org. Result   LOQ	Result Org. Result LOQ Units    < LOQ	Samp   Color   Color	Sample ID: 22-00506	Sample ID: 22-005062-0001-01

#### **Abbreviations**

ND - None Detected at or above MRL RPD - Relative Percent Difference LOQ - Limit of Quantitation

Units of Measure:





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Revision: Document ID: Legacy ID: Effective:

Propane   ND	Batch ID: 2204516	Batch ID						Residual Solvents
Nanytre	ry Control Sample	v Control Sample	Laborator					Method Blank
Propage   ND				Notes	LOQ		Result	
Sobutane	572 ug/g 103.1 60 - 120	572 ug/g	590		200	<	ND	
utane         ND         <         200         886         731         uz/g         1212         60         120           Jez-Dimethylpropane         ND         <         200         1020         936         uz/g         1212         60         120           Jedhanol         ND         <         200         1750         1620         uz/g         180         60         120           Methylbutane         ND         <         200         1750         1620         uz/g         1033         60         120           Hanol         ND         <         200         1750         1620         uz/g         1033         60         120           thanol         ND         <         200         1750         1630         uz/g         1134         70         130         uz/g         1033         60         120           thyg Eth         ND         <         200         1750         1630         uz/g         1134         70         130         uz/g         1034         134         134         134         134         134         134         134         134         134         134         134         134         134 <th< td=""><td></td><td></td><td>921</td><td></td><td>200</td><td>&lt;</td><td>ND</td><td>sobutane</td></th<>			921		200	<	ND	sobutane
2-2-Dimethylpropane			886		200	<	ND	
Methylor								
thylene Oxde			1750		200	<	ND	
Methylbutane			68.4		30	<	ND	
entane			1780		200	<	ND	
thanol   ND			1760		200	<	ND	
thylether								
2.2 Dimethylbutane			1720		200	<	ND	
Acetone			182		30	<	ND	
Propanol   ND	100	10/0						
thyl Formate   ND								
National Company   National Co	100	10/0						
Methylactate								
33-Dimethylbutane	100	10/0						
Dichloromethane	100	10/0						
Part	100							
MTBE	P6/6	10/0						
Methylpentane	100	10/0						
Evane	100	10/0						
Propanol	100	10/0						
Methylethylketone	10.0	10/0						
thyl acetate	100	10/0						
Sutanol	100	10.0						
etrahydrofuran ND < 100						,		
Cyclohexane	1 1 100	100						
Commons   Comm								
Denzene						,		
Sopropy  Acetate	10.0	10/0						
Reptane								
Relatano    ND								
Propy  Acetate	100							
A-Dioxane	100	10/0						
	100	10/0						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	10/0						
Methyl-1-butanol   ND	100	10/0						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	10/0						
Folume	100							
Sobutyl Acetate	100	10/0						
Pentanol   ND   < 500   1800   1610   \( \mu_g/g \)   111.8   70   130   \( \mu_g/g \)   141.8   70   130   \( \mu_g/g \)   141.8   70   130   \( \mu_g/g \)   141.8   70   130   \( \mu_g/g \)   141.5   70   130   \( \mu_g/g \)   141.6	100	10/0						
lutyl Acctate         ND          500         1860         1610         lug/g         115.5         70         - 130           Hyl/Benzene         ND          200         977         973         lug/g         100.4         60         120           hp.Fx/lene         ND          200         964         996         lug/g         96.8         60         - 120           -Xylene         ND          200         988         973         lug/g         105.2         60         - 120           Lumene         ND          30         184         170         lug/g         106.2         60         120           NISOle         ND         <	100	10/0						
thylbenzene ND < 200 977 973 µg/g 100.4 60 - 120 p.p-Xylene ND < 200 964 996 µg/g 96.8 60 - 120 p.p-Xylene ND < 200 964 996 µg/g 96.8 60 - 120 p.p-Xylene ND < 200 998 973 µg/g 101.5 60 - 120 p.p-Xylene ND < 30 988 973 µg/g 101.5 60 - 120 p.p-Xylene ND < 30 184 170 µg/g 108.2 60 - 120 p.p-Xylene ND < 30 184 170 µg/g 108.2 60 - 120 p.p-Xylene ND < 500 1620 1610 µg/g 100.6 70 - 130 p.p-Xylene ND < 500 1510 1630 µg/g 92.6 70 - 130 p.p-Xylene ND < 50 1510 1630 µg/g 92.6 70 - 130 p.p-Xylene ND < 50 183 164 µg/g 111.6 70 - 130 p.p-Xylene ND < 50 183 164 µg/g 111.6 70 - 130 p.p-Xylene ND < 50 1450 1600 µg/g 90.6 70 - 130 p.p-Xylene ND < 50 183 164 µg/g 111.6 70 - 130 p.p-Xylene ND < 50 1450 1600 µg/g 90.6 70 - 130 p.p-Xylene ND < 50 1450 1600 µg/g 90.6 70 - 130 p.p-Xylene ND < 150 570 497 µg/g 11.7 70 - 130 p.p-Xylene ND < 150 465 448 µg/g 93.4 70 - 130 p.p-Xylene ND < 50 232 180 µg/g 128.9 70 - 130						,		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	100						,
-Xylene ND < 200 988 973 μg/g 101.5 60 - 120 \(\text{Lumene}\) ND < 30 184 170 μg/g 108.2 60 - 120 \(\text{Lumene}\) ND < 30 1620 1610 μg/g 108.2 60 - 120 \(\text{NISO}\) ND < 500 1620 1610 μg/g 100.6 70 - 130 \(\text{MSO}\) ND < 500 1510 1630 μg/g 92.6 70 - 130 \(\text{NISO}\) ND < 50 183 164 μg/g 92.6 70 - 130 \(\text{Viciliary}\) γ/c 1600 1600 μg/g 90.6 70 - 130 \(\text{NI-dimethylformamide}\) ND < 500 1450 1600 μg/g 90.6 70 - 130 \(\text{NI-dimethylformamide}\) ND < 150 570 497 μg/g 114.7 70 - 130 \(\text{NI-dimethylformamide}\) ND < 150 465 498 μg/g 93.4 70 - 130 \(\text{Yridine}\) ND < 50 232 180 μg/g 128.9 70 - 130	100	10/0						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	10.0	10/0						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	10/0						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	100	10/0						
,2-dimethoxyethane         ND          50         183         164         µg/g         111.6         70         - 130           riethylamine         ND         <								
riethylamine         ND          500         1450         1600         µg/g         90.6         70         - 130           J.N-dimethylformamide         ND         <	100							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100							
ND < 150 465 498 \( \text{Hg/g} \) 93.4 \( 70 \) - 130 \\ \text{yridine} \) ND < 50 232 180 \( \text{Hg/g} \) 128.9 \( 70 \) - 130								
yridine ND < 50 232 180 μg/g 128.9 70 - 130						<		
,								
,2-Dichloroethane ND < 1 0.895 1 µg/g 89.5 70 - 130		180 μg/g	232		50	<		yridine
		1 μg/g			1	<	ND	,2-Dichloroethane
hloroform ND < 1 1.03 1 μg/g 103.0 70 - 130	1 μg/g 103.0 70 - 130	1 μg/g	1.03		1	<	ND	Chloroform





**Report Number:** 22-005820/D005.R002

**Report Date:** 05/31/2022 ORELAP#: OR100028

**Purchase Order:** 

Received: 05/18/22 15:57

Revision: Document ID: Legacy ID: Effective:

QC - Sample Duplicate							: 22-005820-0001	
Analyte		Org. Result	LOQ		RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	μg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	μg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	μg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	μg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	μg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	μg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	μg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	μg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	μg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	μg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	μg/g	0.0	< 20	Acceptable	
Hexane	3210	3130	30	μg/g	2.5	< 20	Acceptable	
1-Propanol	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	μg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	μg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	μg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	μg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Heptane	7570	6790	200	μg/g	10.9	< 20	Acceptable	
1-Butanol	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	μg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	μg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	μg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	μg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Toluene	447	479	100	μg/g	6.9	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	μg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	μg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	μg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	μg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	μg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	μg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	μg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	μg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	μg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	μg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	μg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	μg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	μg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	μg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	μg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	μg/g	0.0	< 20	Acceptable	1

#### Abbreviations

Units of Measure:

ND - None Detected at or above MRL RPD - Relative Percent Difference

 $\mu g/g\text{-}\,$  Microgram per gram or ppm

LOQ - Limit of Quantitation

Q1 - Quality control result biased high. Only non-detect samples reported.





22-005820/D005.R002 **Report Number:** 

**Report Date:** 05/31/2022 ORELAP#: OR100028

**Purchase Order:** 

Received: 05/18/22 15:57







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# Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
В	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.