



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 22-006993/D003.R001
Report Date: 08/03/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/15/22 10:52

This is an amended version of report# 22-006993/D003.R000.
Reason: Updated customer information.

Customer: IHC LLC
Product identity: 828-55-1
Client/Metric ID: .
Laboratory ID: 22-006993-0001

Summary

Potency:

Analyte	Result (%)		
HHC (9R-Hexahydrocannabinol)	63.4	<ul style="list-style-type: none"> ● HHC (9R-Hexahydrocannabinol) ● HHC (9S-Hexahydrocannabinol) ● Δ8-THC ● CBN 	CBD-Total <LOQ
HHC (9S-Hexahydrocannabinol)	26.9		THC-Total <LOQ
Δ8-THC	0.281		(Reported in percent of total sample)
CBN	0.176		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.



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503-254-1794



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Received: 06/15/22 10:52

Customer: IHC LLC
431 NW Flanders St., Ste 202
Portland, OR 97209
United States of America (USA)

Product identity: 828-55-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-006993-0001
Evidence of Cooling: No
Temp: 19.5 °C
Relinquished by: UPS



THE HEMP
COLLECT

Sample Results

Potency		Method: J AOAC 2015 V98-6 (mod)P		Units %	Batch: 2205204	Analyze: 6/16/22 9:34:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBD	< LOQ		0.0705		<ul style="list-style-type: none"> ● HHC (9R-Hexahydrocannabinol) ● HHC (9S-Hexahydrocannabinol) ● Δ8-THC ● CBN 	
CBD-A	< LOQ		0.0705			
CBD-Total	< LOQ		0.132			
CBG	< LOQ		0.0705			
CBG-A	< LOQ		0.0705			
CBG-Total	< LOQ		0.132			
CBN	0.176		0.0705			
Δ8-THC	0.281		0.0705			
Δ9-THC	< LOQ		0.0705			
HHC (9R-Hexahydrocannabinol)	63.4		0.705			
HHC (9S-Hexahydrocannabinol)	26.9		0.705			
THC-A	< LOQ		0.0705			
THC-O-Acetate, delta-8	< LOQ		0.0705			
THC-O-Acetate, delta-9	< LOQ		0.0705			
THC-Total	< LOQ		0.132			
Total Cannabinoids	90.8					



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Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2205275		Analyze 06/21/22 10:18 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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200															
2,3-Dimethyl butane	< 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														
Isopropyl benzene (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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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2205216 Analyze 06/17/22 04:51 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.250	pass	
Acequinocyl [¥]	< LOQ	2.0	1.00	pass		Acetamiprid [¥]	< LOQ	0.20	0.100	pass	
Aldicarb [¥]	< LOQ	0.40	0.200	pass		Azoxystrobin [¥]	< LOQ	0.20	0.100	pass	
Bifentazate [¥]	< LOQ	0.20	0.100	pass		Bifenthrin [¥]	< LOQ	0.20	0.100	pass	
Boscalid [¥]	< LOQ	0.40	0.200	pass		Carbaryl [¥]	< LOQ	0.20	0.100	pass	
Carbofuran [¥]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [¥]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [¥]	< LOQ	1.0	0.500	pass		Chlorpyrifos [¥]	< LOQ	0.20	0.100	pass	
Clofentezine [¥]	< LOQ	0.20	0.100	pass		Cyfluthrin [¥]	< LOQ	1.0	0.500	pass	
Cypermethrin [¥]	< LOQ	1.0	0.500	pass		Daminozide [¥]	< LOQ	1.0	0.500	pass	
Diazinon [¥]	< LOQ	0.20	0.100	pass		Dichlorvos [¥]	< LOQ	1.0	0.500	pass	
Dimethoate [¥]	< LOQ	0.20	0.100	pass		Ethoprophos [¥]	< LOQ	0.20	0.100	pass	
Etofenprox [¥]	< LOQ	0.40	0.200	pass		Etazazole [¥]	< LOQ	0.20	0.100	pass	
Fenoxycarb [¥]	< LOQ	0.20	0.100	pass		Fenpyroximate [¥]	< LOQ	0.40	0.200	pass	
Fipronil [¥]	< LOQ	0.40	0.200	pass		Flonicamid [¥]	< LOQ	1.0	0.400	pass	
Fludioxonil [¥]	< LOQ	0.40	0.200	pass		Hexythiazox [¥]	< LOQ	1.0	0.400	pass	
Imazali [¥]	< LOQ	0.20	0.100	pass		Imidacloprid [¥]	< LOQ	0.40	0.200	pass	
Kresoxim-methyl [¥]	< LOQ	0.40	0.200	pass		Malathion [¥]	< LOQ	0.20	0.100	pass	
Metalaxyl [¥]	< LOQ	0.20	0.100	pass		Methiocarb [¥]	< LOQ	0.20	0.100	pass	
Methomyl [¥]	< LOQ	0.40	0.200	pass		MGK-264 [¥]	< LOQ	0.20	0.100	pass	
Myclobutanil [¥]	< LOQ	0.20	0.100	pass		Naled [¥]	< LOQ	0.50	0.250	pass	
Oxamyl [¥]	< LOQ	1.0	0.500	pass		Paclobotrazole [¥]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [¥]	< LOQ	0.20	0.200	pass		Permethrin [¥]	< LOQ	0.20	0.100	pass	
Phosmet [¥]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [¥]	< LOQ	2.0	1.00	pass	
Prallethrin [¥]	< LOQ	0.20	0.200	pass		Propiconazole [¥]	< LOQ	0.40	0.200	pass	
Propoxur [¥]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [¥]	< LOQ	1.0	0.500	pass	
Pyridaben [¥]	< LOQ	0.20	0.100	pass		Spinosad [¥]	< LOQ	0.20	0.100	pass	
Spiromesifen [¥]	< LOQ	0.20	0.100	pass		Spirotetramat [¥]	< LOQ	0.20	0.100	pass	
Spiroxamine [¥]	< LOQ	0.40	0.200	pass		Tebuconazole [¥]	< LOQ	0.40	0.200	pass	
Thiacloprid [¥]	< LOQ	0.20	0.100	pass		Thiamethoxam [¥]	< LOQ	0.20	0.100	pass	
Trifloxystrobin [¥]	< LOQ	0.20	0.100	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.

^p = ISO/IEC 17025:2017 accredited method.

^y = TNI accredited analyte.

Units of Measure

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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

Laboratory Quality Control Results

JAQAC2015 08-6									
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDV	1	0.102	0.10C	%	102	80 C	- 120	Acceptable	
CBD'	1	0.112	0.10C	%	112	80 C	- 120	Acceptable	
CBI	1	0.097	0.10C	%	97.7	80 C	- 120	Acceptable	
CBD	1	0.105	0.10C	%	105	90 C	- 110	Acceptable	
CBG	1	0.099	0.10C	%	99.2	80 C	- 120	Acceptable	
CBC	1	0.103	0.10C	%	103	80 C	- 120	Acceptable	
CBF	1	0.105	0.10C	%	105	90 C	- 110	Acceptable	
THC\	1	0.0975	0.10C	%	97.5	80 C	- 120	Acceptable	
d8THC\	1	0.10C	0.10C	%	100	80 C	- 120	Acceptable	
THCV\	1	0.0985	0.10C	%	98.5	80 C	- 120	Acceptable	
CBN	1	0.0975	0.10C	%	97.9	90 C	- 110	Acceptable	
exo-THC	1	0.0915	0.10C	%	91.5	80 C	- 120	Acceptable	
d9THC	1	0.0962	0.10C	%	96.2	90 C	- 110	Acceptable	
d8THC	1	0.0916	0.10C	%	91.6	80 C	- 120	Acceptable	
CBI	1	0.087C	0.10C	%	87.0	80 C	- 120	Acceptable	
CBK	1	0.0995	0.10C	%	99.5	80 C	- 120	Acceptable	
THC/	1	0.099C	0.10C	%	99.0	90 C	- 110	Acceptable	
CBC	1	0.105	0.10C	%	105	80 C	- 120	Acceptable	
CBL	1	0.0942	0.10C	%	94.2	80 C	- 120	Acceptable	
CB'	1	0.0922	0.10C	%	92.2	80 C	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV	<LOQ	0.007	%	< 0.007	Acceptable	
CBD'	<LOQ	0.007	%	< 0.007	Acceptable	
CBI	<LOQ	0.007	%	< 0.007	Acceptable	
CBD	<LOQ	0.007	%	< 0.007	Acceptable	
CBG	<LOQ	0.007	%	< 0.007	Acceptable	
CBC	<LOQ	0.007	%	< 0.007	Acceptable	
CBF	<LOQ	0.007	%	< 0.007	Acceptable	
THC\	<LOQ	0.007	%	< 0.007	Acceptable	
d8THC\	<LOQ	0.007	%	< 0.007	Acceptable	
THCV\	<LOQ	0.007	%	< 0.007	Acceptable	
CBN	<LOQ	0.007	%	< 0.007	Acceptable	
exo-THC	<LOQ	0.007	%	< 0.007	Acceptable	
d9THC	<LOQ	0.007	%	< 0.007	Acceptable	
d8THC	<LOQ	0.007	%	< 0.007	Acceptable	
CBI	<LOQ	0.007	%	< 0.007	Acceptable	
CBK	<LOQ	0.007	%	< 0.007	Acceptable	
THC/	<LOQ	0.007	%	< 0.007	Acceptable	
CBC	<LOQ	0.007	%	< 0.007	Acceptable	
CBL	<LOQ	0.007	%	< 0.007	Acceptable	
CB'	<LOQ	0.007	%	< 0.007	Acceptable	

Abbreviations

ND - None Detected at or above MI
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

JAQAC2015 08-6		Batch ID: 220523						
Sample Duplicate		Sample ID: 22-0070420001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBD'	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBI	0.0667	0.0670	0.0077	%	0.98E	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBC	0.252	0.257	0.0077	%	1.84	< 20	Acceptable	
CBI	5.7E	5.84	0.0077	%	1.67	< 20	Acceptable	
THC\	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d8THC\	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCV\	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d9THC	0.22E	0.23E	0.0077	%	2.50	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBI	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CB'	0.32E	0.32E	0.0077	%	2.13	< 20	Acceptable	
THC/	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CB'	0.0724	0.0670	0.0077	%	7.6E	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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Revision: Document ID:
 Legacy ID: Effective:

Laboratory Quality Control Results

Residual Solvents				Batch D: 2205275					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		497	572	µg/g	86.9	60	- 120
Isobutane	ND	< 200		654	731	µg/g	89.5	60	- 120
Butane	ND	< 200		610	731	µg/g	83.4	60	- 120
2,2-Dimethylpropane	ND	< 200		750	936	µg/g	80.1	60	- 120
Methanol	ND	< 200		1230	1650	µg/g	74.5	60	- 120
Ethylene Oxide	ND	< 30		50.9	56.2	µg/g	90.6	60	- 120
2-Methylbutane	ND	< 200		1240	1620	µg/g	76.5	60	- 120
Pentane	ND	< 200		1240	1610	µg/g	77.0	60	- 120
Ethanol	ND	< 200		1220	1620	µg/g	75.3	70	- 130
Ethyl Ether	ND	< 200		1290	1600	µg/g	80.6	60	- 120
2,2-Dimethylbutane	ND	< 30		134	167	µg/g	80.2	60	- 120
Acetone	ND	< 200		1300	1620	µg/g	80.2	60	- 120
2-Propanol	ND	< 200		1250	1610	µg/g	77.6	60	- 120
Ethyl Formate	ND	< 500		1630	1620	µg/g	100.6	70	- 130
Acetonitrile	ND	< 100		492	635	µg/g	77.5	60	- 120
Methyl Acetate	ND	< 500		1700	1630	µg/g	104.3	70	- 130
2,3-Dimethylbutane	ND	< 30		131	177	µg/g	74.0	60	- 120
Dichloromethane	ND	< 60		441	498	µg/g	88.6	60	- 120
2-Methylpentane	ND	< 30		136	166	µg/g	81.9	60	- 120
MTBE	ND	< 500		1750	1600	µg/g	109.4	70	- 130
3-Methylpentane	ND	< 30		138	175	µg/g	78.9	60	- 120
Hexane	ND	< 30		140	174	µg/g	80.5	60	- 120
1-Propanol	ND	< 500		1490	1620	µg/g	92.0	70	- 130
Methyl ethyl ketone	ND	< 500		1610	1600	µg/g	100.6	70	- 130
Ethyl acetate	ND	< 200		1230	1610	µg/g	76.4	60	- 120
2-Butanol	ND	< 200		1260	1620	µg/g	77.8	60	- 120
Tetrahydrofuran	ND	< 100		375	507	µg/g	74.0	60	- 120
Cyclohexane	ND	< 200		1320	1610	µg/g	82.0	60	- 120
2-methyl-1-propanol	ND	< 500		1670	1640	µg/g	101.8	70	- 130
Benzene	ND	< 1		4.12	5.22	µg/g	78.9	60	- 120
Isopropyl Acetate	ND	< 200		1250	1610	µg/g	77.6	60	- 120
Heptane	ND	< 200		1230	1610	µg/g	76.4	60	- 120
1-Butanol	ND	< 500		1850	1610	µg/g	114.9	70	- 130
Propyl Acetate	ND	< 500		1740	1610	µg/g	108.1	70	- 130
1,4-Dioxane	ND	< 100		434	508	µg/g	85.4	60	- 120
2-Ethoxyethanol	ND	< 30		122	165	µg/g	73.9	60	- 120
Methylisobutylketone	ND	< 500		1600	1610	µg/g	99.4	70	- 130
3-Methyl-1-butanol	ND	< 500		1830	1600	µg/g	114.4	70	- 130
Ethylene Glycol	ND	< 200		494	492	µg/g	100.4	60	- 120
Toluene	ND	< 100		412	497	µg/g	82.9	60	- 120
Isobutyl Acetate	ND	< 500		1730	1610	µg/g	107.5	70	- 130
1-Pentanol	ND	< 500		1730	1600	µg/g	108.1	70	- 130
Butyl Acetate	ND	< 500		1690	1610	µg/g	105.0	70	- 130
Ethylbenzene	ND	< 200		823	980	µg/g	84.6	60	- 120
m,p-Xylene	ND	< 200		832	985	µg/g	84.5	60	- 120
o-Xylene	ND	< 200		821	965	µg/g	85.1	60	- 120
Cumene	ND	< 30		146	168	µg/g	86.9	60	- 120
Anisole	ND	< 500		1830	1600	µg/g	114.4	70	- 130
DMSO	ND	< 500		1550	1610	µg/g	96.3	70	- 130
1,2-dimethoxyethane	ND	< 50		177	165	µg/g	107.3	70	- 130
Triethylamine	ND	< 500		1700	1620	µg/g	104.9	70	- 130
N,N-dimethylformamide	ND	< 150		503	481	µg/g	104.6	70	- 130
N,N-dimethylacetamide	ND	< 150		445	480	µg/g	92.7	70	- 130
Pyridine	ND	< 50		198	171	µg/g	115.8	70	- 130
1,2-Dichloroethane	ND	< 1		1.16	1	µg/g	116.0	70	- 130
Chloroform	ND	< 1		1.14	1	µg/g	114.0	70	- 130
Trichloroethylene	ND	< 1		1.2	1	µg/g	120.0	70	- 130



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QC- Sample Duplicate	Sample ID: 22-006934-0001						
Analyte	Result	Org. Result	LOQ Units	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	
Pertane	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	ND	ND	30 µg/g	0.0	< 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	ND	ND	200 µg/g	0.0	< 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	ND	ND	100 µg/g	0.0	< 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	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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Report Number: 22-006993/D003.R001
Report Date: 08/03/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/15/22 10:52





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	Quantitation level raised due to matrix interference.
B	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.