



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



Report Number: 24-010736/D001.R000
Report Date: 10/01/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:58

Customer: NW Natural Goods
Product identity: BEV - BB 024267-1
Client/Metric ID: .
Laboratory ID: 24-010736-0001

Summary

Potency:

Analyte per 355ml	Result	Limits	Units	Status	
CBC per 355ml	0.391		mg/355ml		CBD-Total per Serving Size 51.1 mg/355ml
CBD per 355ml	51.1		mg/355ml		
CBG per 355ml	1.24		mg/355ml		Delta-9-THC-Total per <LOQ
					(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: NW Natural Goods
Product identity: BEV - BB 024267-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-010736-0001
Evidence of Cooling: No
Temp: 21.0
Relinquished by: BR
Serving Size #1: 362.1 g
Density: 1.020 g/ml

Sample Results

Potency per 355ml		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2407432		Analyze: 9/25/24 5:53:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 355ml	0.391		mg/355ml	0.357		
CBC-A per 355ml	< LOQ		mg/355ml	0.357		
CBC-Total per 355ml	< LOQ		mg/355ml	0.670		
CBD per 355ml	51.1		mg/355ml	0.357		
CBD-A per 355ml ¹	< LOQ		mg/355ml	0.357		
CBD-Total per 355ml ¹	51.1		mg/355ml	0.670		
CBDV per 355ml	< LOQ		mg/355ml	0.357		
CBDV-A per 355ml	< LOQ		mg/355ml	0.357		
CBDV-Total per 355ml	< LOQ		mg/355ml	0.666		
CBE per 355ml	< LOQ		mg/355ml	0.357		
CBG per 355ml	1.24		mg/355ml	0.357		
CBG-A per 355ml	< LOQ		mg/355ml	0.357		
CBG-Total per 355ml	1.24		mg/355ml	0.666		
CBL per 355ml	< LOQ		mg/355ml	0.357		
CBL-A per 355ml	< LOQ		mg/355ml	0.357		
CBL-Total per 355ml	< LOQ		mg/355ml	0.670		
CBN per 355ml	< LOQ		mg/355ml	0.357		
CBT per 355ml	< LOQ		mg/355ml	0.357		
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.357		
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.357		
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.714		
Δ8-THC per 355ml ¹	< LOQ		mg/355ml	0.357		
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.357		
Δ9-THC per 355ml ¹	< LOQ		mg/355ml	0.357		
Δ9-THC-Total per 355ml	< LOQ		mg/355ml	0.670		
Δ9-THCP per 355ml	< LOQ		mg/355ml	0.357		
Δ9-THCV per 355ml	< LOQ		mg/355ml	0.357		
Δ9-THCV-A per 355ml	< LOQ		mg/355ml	0.357		
Δ9-THCV-Total per 355ml	< LOQ		mg/355ml	0.670		
exo-THC per 355ml	< LOQ		mg/355ml	0.357		
THC-A per 355ml ¹	< LOQ		mg/355ml	0.357		



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Potency per 355ml Method: J AOAC 2015 V98-6 (mod)^b Units mg/se Batch: 2407432 Analyze: 9/25/24 5:53:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 355ml	52.7		mg/355ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2407389	09/27/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2407387	09/27/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407387	09/27/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407388	09/28/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407388	09/28/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2407455 Analyze 09/26/24 11:19 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane ¹	< LOQ	380	100	pass		2-Butanol ¹	< LOQ	5000	200	pass	
2-Ethoxyethanol ¹	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) ¹	< LOQ		200		
2-Methylpentane ¹	< LOQ		30.0			2-Propanol (IPA) ¹	< LOQ	5000	200	pass	
2,2-Dimethylbutane ¹	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) ¹	< LOQ		200		
2,3-Dimethylbutane ¹	< LOQ		30.0			3-Methylpentane ¹	< LOQ		30.0		
Acetone ¹	< LOQ	5000	200	pass		Acetonitrile ¹	< LOQ	410	100	pass	
Benzene ¹	< LOQ	2.00	1.00	pass		Butanes (sum) ¹	< LOQ	5000	400	pass	
Cyclohexane ¹	< LOQ	3880	200	pass		Ethyl acetate ¹	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether ¹	< LOQ	5000	200	pass	
Ethylene glycol ¹	< LOQ	620	200	pass		Ethylene oxide ¹	< LOQ	50.0	20.0	pass	
Hexanes (sum) ¹	< LOQ	290	150	pass		Isopropyl acetate ¹	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) ¹	< LOQ	70.0	30.0	pass		m,p-Xylene ¹	< LOQ		200		
Methanol ¹	< LOQ	3000	200	pass		Methylene chloride ¹	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) ¹	< LOQ		200			n-Butane ¹	< LOQ		200		
n-Heptane ¹	< LOQ	5000	200	pass		n-Hexane ¹	< LOQ		30.0		
n-Pentane ¹	< LOQ		200			o-Xylene ¹	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran ¹	< LOQ	720	100	pass		Toluene ¹	< LOQ	890	100	pass	
Total Xylenes ¹	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2407497 Analyze 09/30/24 02:28 PM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			



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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic ^L	< LOQ	0.200	mg/kg	0.00393	2407513	09/27/24 AOAC 2013.06 (mod.) ^P	pass	
Cadmium ^L	< LOQ	0.200	mg/kg	0.00393	2407513	09/27/24 AOAC 2013.06 (mod.) ^P	pass	
Lead ^L	< LOQ	0.500	mg/kg	0.00393	2407513	09/27/24 AOAC 2013.06 (mod.) ^P	pass	
Mercury ^L	< LOQ	0.100	mg/kg	0.00197	2407513	09/27/24 AOAC 2013.06 (mod.) ^P	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 ^L	< LOQ		µg/kg	5.00	2407449	09/26/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 ^L	< LOQ		µg/kg	5.00	2407449	09/26/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 ^L	< LOQ		µg/kg	5.00	2407449	09/26/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 ^L	< LOQ		µg/kg	5.00	2407449	09/26/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A ^L	< LOQ	20.0	µg/kg	5.00	2407449	09/26/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		09/30/24 AOAC 2007.01 & EN 15662 (mod) ^P	pass	



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/355ml = Milligram per 355ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Hemp & Cannabis
 Chain of Custody

NW-Natural-Goods-
 1727136739

Company Details		Project Details			Testing					
Company: NW Natural Goods		Turnaround Time: 5 Business Days Req. For Micro Testing Standard			H0010 - Potency Cannabis (Basic+Expanded)	M1010 - Micro Pro Ie D	H0008 - Residual Solvents (Cannabis - Oregon)	H0042 - A. toxins+Ochratoxin QLCC	H0013 - Cannabis Heavy Metals Pro Ie OR	P2320 - Multi-Residue Pesticide Pro Ie (Cannabis)
[Redacted]		Relinquishment Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u>								
[Redacted]		Pick-Up Details								
[Redacted]		Pick-Up Location Name: NW Natural Goods								
[Redacted]		Receipt Information								
[Redacted]		Prelog Storage: Canna Shelves								
[Redacted]		Sample Condition: Satisfactory								
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size					
1	BEV- BB 024267-1	Cannabinoid Beverage	4 each	mg/g & mg/serving	362.1g	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
JOE MANGAN	09/23/2024	17:12	21	BR	09/24/2024	10:26	25	No
BR	09/24/2024	11:03	21	jmh	09/24/2024	11:58	25	No

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
 12423 NE Whitaker Way
 Portland, OR 97230

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Received: 09/24/24 11:58

Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2407432**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0009	0.0009	%	101	80.0 - 120	Acceptable	
CBDV	2	0.0009	0.0009	%	101	80.0 - 120	Acceptable	
CBE	2	0.00107	0.00107	%	100	80.0 - 120	Acceptable	
CBDA	1	0.00112	0.00108	%	104	90.0 - 110	Acceptable	
CBGA	1	0.00110	0.00106	%	104	80.0 - 120	Acceptable	
CBG	1	0.0010	0.0009	%	106	80.0 - 120	Acceptable	
CBD	1	0.00109	0.00106	%	104	90.0 - 110	Acceptable	
THCV	2	0.00104	0.00103	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.00108	0.00106	%	102	80.0 - 120	Acceptable	
THCVA	2	0.0009	0.0009	%	100	80.0 - 120	Acceptable	
CBN	1	0.00113	0.00106	%	106	80.0 - 120	Acceptable	
exo-THC	2	0.0010	0.0010	%	101	80.0 - 120	Acceptable	
d9THC	1	0.00109	0.00102	%	107	90.0 - 110	Acceptable	
d8THC	1	0.0009	0.0009	%	104	90.0 - 110	Acceptable	
9S-d10THC	1	0.00112	0.00106	%	105	80.0 - 120	Acceptable	
CBL	2	0.0009	0.0009	%	101	80.0 - 120	Acceptable	
9R-d10THC	1	0.00115	0.00110	%	105	80.0 - 120	Acceptable	
CBC	2	0.00108	0.00105	%	102	80.0 - 120	Acceptable	
THCA	1	0.00110	0.00108	%	102	90.0 - 110	Acceptable	
CBCA	2	0.0010	0.0010	%	99.3	80.0 - 120	Acceptable	
CBLA	2	0.0010	0.0010	%	99.7	80.0 - 120	Acceptable	
d9THCP	2	0.0010	0.0010	%	102	80.0 - 120	Acceptable	
CBT	2	0.00102	0.00102	%	101	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDV	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBE	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBGA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBG	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBD	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBN	<LOQ	0.0001	%	< 0.0001	Acceptable	
exo-THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
9S-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBL	<LOQ	0.0001	%	< 0.0001	Acceptable	
9R-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBC	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBLA	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THCP	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBT	<LOQ	0.0001	%	< 0.0001	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: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

AOAC 2015 V98-6		Batch ID: 2407432						
Sample Duplicate		Sample ID: 24-006869-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	0.0003	0.0003	0.0001	%	0.0783	< 20	Acceptable	
CBD	0.0141	0.0141	0.0001	%	0.357	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0001	%	NA	< 20	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: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2407455			
Method Blank				Laboratory Control Sample			
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec. Limits Notes
Propane	ND	< 200		435	585	µg/g	74.4 60 - 120
Isobutane	ND	< 200		559	770	µg/g	72.6 60 - 120
Butane	ND	< 200		570	769	µg/g	74.1 60 - 120
2,2-Dimethylpropane	ND	< 200		706	956	µg/g	73.8 60 - 120
Methanol	ND	< 200		1320	1630	µg/g	81.0 60 - 120
Ethylene Oxide	ND	< 30		439	57.7	µg/g	76.1 60 - 120
2-Methylbutane	ND	< 200		1270	1620	µg/g	78.4 60 - 120
Pertane	ND	< 200		1250	1620	µg/g	77.2 60 - 120
Ethanol	ND	< 200		1350	1620	µg/g	83.3 70 - 130
Ethyl Ether	ND	< 200		1480	1620	µg/g	91.4 60 - 120
2,2-Dimethylbutane	ND	< 30		144	179	µg/g	80.4 60 - 120
Acetone	ND	< 200		1300	1620	µg/g	80.2 60 - 120
2-Propanol	ND	< 200		1310	1620	µg/g	80.9 60 - 120
Ethyl Formate	ND	< 500		1170	1610	µg/g	72.7 70 - 130
Acetonitrile	ND	< 100		391	502	µg/g	77.9 60 - 120
Methyl Acetate	ND	< 500		1390	1610	µg/g	86.3 70 - 130
2,3-Dimethylbutane	ND	< 30		147	180	µg/g	81.7 60 - 120
Dichloromethane	ND	< 60		434	533	µg/g	81.4 60 - 120
2-Methylpentane	ND	< 30		151	181	µg/g	83.4 60 - 120
MTBE	ND	< 500		1330	1600	µg/g	83.1 70 - 130
3-Methylpentane	ND	< 30		148	177	µg/g	83.6 60 - 120
Hexane	ND	< 30		147	182	µg/g	80.8 60 - 120
1-Propanol	ND	< 500		1310	1610	µg/g	81.4 60 - 130
Methylethylketone	ND	< 500		1350	1600	µg/g	84.4 70 - 130
Ethyl acetate	ND	< 200		1330	1620	µg/g	82.1 60 - 120
2-Butanol	ND	< 200		1320	1630	µg/g	81.0 60 - 120
Tetrahydrofuran	ND	< 100		411	499	µg/g	82.4 60 - 120
Cyclohexane	ND	< 200		1280	1610	µg/g	79.5 60 - 120
2-methyl-1-propanol	ND	< 500		1330	1600	µg/g	83.1 70 - 130
Benzene	ND	< 1		3.96	5.01	µg/g	79.0 60 - 120
Isopropyl Acetate	ND	< 200		1310	1620	µg/g	80.9 60 - 120
Heptane	ND	< 200		1270	1610	µg/g	78.9 60 - 120
1-Butanol	ND	< 500		1390	1600	µg/g	86.9 70 - 130
Propyl Acetate	ND	< 500		1470	1600	µg/g	88.1 70 - 130
1,4-Dioxane	ND	< 100		398	493	µg/g	80.7 60 - 120
2-Ethoxyethanol	ND	< 30		142	182	µg/g	78.0 60 - 120
Methylisobutylketone	ND	< 500		1390	1610	µg/g	86.3 70 - 130
3-Methyl-1-butanol	ND	< 500		1370	1600	µg/g	85.6 70 - 130
Ethylene Glycol	ND	< 200		322	501	µg/g	64.3 60 - 120
Toluene	ND	< 100		400	501	µg/g	79.8 60 - 120
Isobutyl Acetate	ND	< 500		1320	1600	µg/g	82.5 60 - 130
1-Pentanol	ND	< 500		1320	1600	µg/g	82.5 70 - 130
Butyl Acetate	ND	< 500		1340	1600	µg/g	83.8 70 - 130
Ethylbenzene	ND	< 200		756	981	µg/g	77.1 60 - 120
m,p-Xylene	ND	< 200		728	1000	µg/g	72.8 60 - 120
o-Xylene	ND	< 200		834	981	µg/g	85.0 60 - 120
Cumene	ND	< 30		153	177	µg/g	86.4 60 - 120
Anisole	ND	< 500		1550	1610	µg/g	96.3 70 - 130
DMSO	ND	< 500		1360	1600	µg/g	85.0 70 - 130
1,2-dimethoxyethane	ND	< 50		127	161	µg/g	78.9 70 - 130
Triethylamine	ND	< 500		1310	1600	µg/g	81.9 70 - 130
N,N-dimethylformamide	ND	< 150		423	484	µg/g	87.4 70 - 130
N,N-dimethylacetamide	ND	< 150		507	497	µg/g	102.0 70 - 130
Pyridine	ND	< 50		124	162	µg/g	76.5 70 - 130
Sulfolane	ND	< 50		128	166	µg/g	77.1 70 - 130
1,2-Dichloroethane	ND	< 1		0.864	1	µg/g	86.4 70 - 130
Chloroform	ND	< 1		0.84	1	µg/g	84.0 70 - 130
Trichloroethylene	ND	< 1		0.841	1	µg/g	84.1 70 - 130
1,1-Dichloroethane	ND	< 1		0.858	1	µg/g	85.8 70 - 130



QC- Sample Duplicate

Sample ID: 24-010616-0001

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	370	404	200 µg/g	8.8	< 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	
Sulfolane	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	
1,1-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g- Microgram per gram or ppm



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Report Number: 24-010736/D001.R000
Report Date: 10/01/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:58





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.