



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



**Report Number:** 23-009027/D002.R000  
**Report Date:** 08/08/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 08/01/23 10:34

**Customer:** NW Natural Goods  
**Product identity:** HEMP - RB 0114  
**Client/Metric ID:** .  
**Laboratory ID:** 23-009027-0001

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBD per 4g	25.0		mg/4g		CBD-Total per Serving Size 25.0 mg/4g
CBG per 4g	0.496		mg/4g		
					THC-Total per Serving Size <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:** HEMP - RB 0114

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-009027-0001

**Evidence of Cooling:** No

**Temp:** 21.1 °C

**Relinquished by:** Hinton

**Serving Size #1:** 4 g

### Sample Results

Potency per 4g					
Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>					
Units mg/se Batch: 2309684 Analyze: 8/2/23 6:43:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4g	< LOQ		mg/4g	0.125	
CBC-A per 4g	< LOQ		mg/4g	0.125	
CBC-Total per 4g	< LOQ		mg/4g	0.235	
CBD per 4g	25.0		mg/4g	0.125	
CBD-A per 4g	< LOQ		mg/4g	0.125	
CBD-Total per 4g	25.0		mg/4g	0.235	
CBDV per 4g	< LOQ		mg/4g	0.125	
CBDV-A per 4g	< LOQ		mg/4g	0.125	
CBDV-Total per 4g	< LOQ		mg/4g	0.234	
CBE per 4g	< LOQ		mg/4g	0.125	
CBG per 4g	0.496		mg/4g	0.125	
CBG-A per 4g	< LOQ		mg/4g	0.125	
CBG-Total per 4g	0.496		mg/4g	0.234	
CBL per 4g	< LOQ		mg/4g	0.125	
CBL-A per 4g	< LOQ		mg/4g	0.125	
CBL-Total per 4g	< LOQ		mg/4g	0.235	
CBN per 4g	< LOQ		mg/4g	0.125	
CBT per 4g	< LOQ		mg/4g	0.125	
Δ8-THCV per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.251	
Δ8-THC per 4g	< LOQ		mg/4g	0.125	
Δ9-THC per 4g	< LOQ		mg/4g	0.125	
delta-9-THCP per 4g	< LOQ		mg/4g	0.125	
exo-THC per 4g	< LOQ		mg/4g	0.125	
THC-A per 4g	< LOQ		mg/4g	0.125	
THC-Total per 4g	< LOQ		mg/4g	0.235	
THCV per 4g	< LOQ		mg/4g	0.125	
THCV-A per 4g	< LOQ		mg/4g	0.125	
THCV-Total per 4g	< LOQ		mg/4g	0.235	
Total Cannabinoids per 4g	25.5		mg/4g		



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2309623	08/04/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	10	2309623	08/04/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2309624	08/04/23 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2309624	08/04/23 AOAC 2014.05 (RAPID) <sup>P</sup>		

**Solvents** Method: Residual Solvents by GC/MS<sup>B</sup> Units µg/g Batch 2309724 Analyze 08/04/23 12:35 PM

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	

**Pesticides** Method: AOAC 2007.01 & EN 15662 (mod)<sup>B</sup> Units mg/kg Batch 2309723 Analyze 08/04/23 12:17 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*	< LOQ	0.200	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Cadmium*	< LOQ	0.200	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Lead*	< LOQ	0.500	mg/kg	0.0184	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	
Mercury*	< LOQ	0.100	mg/kg	0.00919	2309769	08/04/23 AOAC 2013.06 (mod.) <sup>p</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	18.2		g/100g	0.10	2309695	08/03/23 AOAC 925.10 (mod.) <sup>p</sup>		
Water Activity	0.711		Aw	0.030	2309682	08/03/23 AOAC 978.18 <sup>p</sup>		



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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.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

<sup>¥</sup> = TNI accredited analyte.

### Units of Measure

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

mg/4g = Milligram per 4g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Hemp & Cannabis  
 Chain of Custody

Northwest-Natural-  
 Goods-1690839847

ORELAP ID CR000028 ANAB ISO 17025 ID AT 608

Project Information			Testing							
Project Name: HEMP-RB01H PONumber: N/A Turnaround Time: 5 Business Days (Req. For Micro Testing) Standard Samples Delivered to Laboratory: Schedule Pick-Up Cannabis Type: Industrial			H000 Potency (Combined Basic + Extended Pro	P2200 Pesticide - Multi-Residue Pro	H0008 Residual Solvents - OR	H0015 Heavy Metals Pro (As, Cd, Pb & Hg)	M075 Total Coliforms + E. Coli	M083 Yeast and Mold	N000 Moisture as Loss on Drying	N060 Water Activity
#	Sample Name	Material	Amount Provided							
1	HEMP-RB01H	Edible	20 units for sale	✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
Kristen Johnson	7/31/2023	14:44		MRH	8/1/2023	10:05		No
MRH	8/1/2023	10:27	21.1	MRH	8/1/2023	10:29		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 Reinquished by you are agreeing to these terms.

Columbia Laboratories  
 12423 NE Whitaker Way  
 Portland OR 97230

P (503) 254-1794 / Fax (503) 254-1652  
[info@columbialaboratories.com](mailto:info@columbialaboratories.com)

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[www.columbialaboratories.com](http://www.columbialaboratories.com)



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

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2309684

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0307	0.0311	%	98.7	80.0	- 120	Acceptable	
CBDV	2	0.0306	0.0307	%	99.6	80.0	- 120	Acceptable	
CBE	2	0.0345	0.0349	%	99.0	80.0	- 120	Acceptable	
CBD	1	0.0334	0.0336	%	99.2	90.0	- 110	Acceptable	
CBDVA	1	0.0335	0.0336	%	99.9	80.0	- 120	Acceptable	
CBDV	1	0.0331	0.0344	%	96.1	80.0	- 120	Acceptable	
CBD	1	0.0346	0.0352	%	98.5	90.0	- 110	Acceptable	
THCV	2	0.0219	0.0222	%	98.3	80.0	- 120	Acceptable	
Δ8THCV	2	0.0268	0.0272	%	98.7	80.0	- 120	Acceptable	
THCV/A	2	0.0305	0.0310	%	98.5	80.0	- 120	Acceptable	
CBN	1	0.0348	0.0351	%	99.1	80.0	- 120	Acceptable	
exo-THC	2	0.0308	0.0311	%	98.9	80.0	- 120	Acceptable	
Δ9THC	1	0.0324	0.0345	%	94.1	90.0	- 110	Acceptable	
Δ8THC	1	0.0320	0.0325	%	98.5	90.0	- 110	Acceptable	
9SΔ10THC	1	0.0339	0.0354	%	95.8	80.0	- 120	Acceptable	
CBL	2	0.0300	0.0311	%	96.3	80.0	- 120	Acceptable	
9RΔ10THC	1	0.0322	0.0323	%	99.7	80.0	- 120	Acceptable	
CBC	2	0.0313	0.0319	%	98.3	80.0	- 120	Acceptable	
THCA	1	0.0328	0.0331	%	99.3	90.0	- 110	Acceptable	
CBCA	2	0.0315	0.0325	%	96.9	80.0	- 120	Acceptable	
CBLA	2	0.0494	0.0500	%	98.8	80.0	- 120	Acceptable	
Δ9THCP	2	0.0315	0.0323	%	97.6	80.0	- 120	Acceptable	
CBT	2	0.0304	0.0314	%	96.9	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBDV	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBE	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBD	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBDVA	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBDV	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBD	<LOQ	0.00305	%	< 0.00305	Acceptable	
THCV	<LOQ	0.00305	%	< 0.00305	Acceptable	
Δ8THCV	<LOQ	0.00305	%	< 0.00305	Acceptable	
THCV/A	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBN	<LOQ	0.00305	%	< 0.00305	Acceptable	
exo-THC	<LOQ	0.00305	%	< 0.00305	Acceptable	
Δ9THC	<LOQ	0.00305	%	< 0.00305	Acceptable	
Δ8THC	<LOQ	0.00305	%	< 0.00305	Acceptable	
9SΔ10THC	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBL	<LOQ	0.00305	%	< 0.00305	Acceptable	
9RΔ10THC	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBC	<LOQ	0.00305	%	< 0.00305	Acceptable	
THCA	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBCA	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBLA	<LOQ	0.00305	%	< 0.00305	Acceptable	
Δ9THCP	<LOQ	0.00305	%	< 0.00305	Acceptable	
CBT	<LOQ	0.00305	%	< 0.00305	Acceptable	

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

Units of Measure:  
 %- Percent



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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2309684						
Sample Duplicate		Sample ID: 23-009023-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDV	0.00537	0.00531	0.00311	%	1.21	< 20	Acceptable	
CBE	0.00411	0.00399	0.00311	%	2.94	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBD	0.105	0.105	0.00311	%	0.373	< 20	Acceptable	
CBD	0.351	0.347	0.00311	%	1.13	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
Δ8THCV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
THCV/A	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBN	0.107	0.105	0.00311	%	1.30	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
Δ9THC	0.0201	0.0203	0.00311	%	0.870	< 20	Acceptable	
Δ8THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9S-Δ10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9R-Δ10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBC	0.0157	0.0156	0.00311	%	0.866	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
Δ9THCP	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBT	0.00808	0.00803	0.00311	%	0.631	< 20	Acceptable	

Abbreviations

- ND - None Detected at or above MRI
- 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 D: 2309724					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		493	584	µg/g	84.4	60 - 120	
Isobutane	ND	< 200		654	767	µg/g	85.3	60 - 120	
Butane	ND	< 200		629	782	µg/g	80.4	60 - 120	
2,2-Dimethylpropane	ND	< 200		776	939	µg/g	82.6	60 - 120	
Methanol	ND	< 200		1770	1640	µg/g	107.9	60 - 120	
Ethylene Oxide	ND	< 30		56.3	57.1	µg/g	98.6	60 - 120	
2-Methylbutane	ND	< 200		1470	1600	µg/g	91.9	60 - 120	
Pentane	ND	< 200		1520	1620	µg/g	93.8	60 - 120	
Ethanol	ND	< 200		1770	1610	µg/g	109.9	70 - 130	
Ethyl Ether	ND	< 200		1530	1610	µg/g	95.0	60 - 120	
2,2-Dimethylbutane	ND	< 30		162	168	µg/g	96.4	60 - 120	
Acetone	ND	< 200		1590	1620	µg/g	98.1	60 - 120	
2-Propanol	ND	< 200		1860	1600	µg/g	116.3	60 - 120	
Ethyl Formate	ND	< 500		1410	1600	µg/g	88.1	70 - 130	
Acetonitrile	ND	< 100		456	484	µg/g	94.2	60 - 120	
Methyl Acetate	ND	< 500		1580	1610	µg/g	98.1	70 - 130	
2,3-Dimethylbutane	ND	< 30		153	162	µg/g	98.1	60 - 120	
Dichloromethane	ND	< 60		480	483	µg/g	99.4	60 - 120	
2-Methylpentane	ND	< 30		172	174	µg/g	98.9	60 - 120	
MTBE	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
3-Methylpentane	ND	< 30		171	168	µg/g	101.8	60 - 120	
Hexane	ND	< 30		161	168	µg/g	95.8	60 - 120	
1-Propanol	ND	< 500		1760	1600	µg/g	110.0	70 - 130	
Methyl ethyl ketone	ND	< 500		1610	1620	µg/g	99.4	70 - 130	
Ethyl acetate	ND	< 200		1660	1600	µg/g	103.8	60 - 120	
2-Butanol	ND	< 200		1850	1600	µg/g	115.6	60 - 120	
Tetrahydrofuran	ND	< 100		502	514	µg/g	97.7	60 - 120	
Cyclohexane	ND	< 200		1600	1600	µg/g	100.0	60 - 120	
2-methyl-1-propanol	ND	< 500		1830	1610	µg/g	113.7	70 - 130	
Benzene	ND	< 1		4.19	5.12	µg/g	81.8	60 - 120	
Isopropyl Acetate	ND	< 200		1660	1620	µg/g	102.5	60 - 120	
Heptane	ND	< 200		1550	1610	µg/g	96.3	60 - 120	
1-Butanol	ND	< 500		1820	1600	µg/g	113.8	70 - 130	
Propyl Acetate	ND	< 500		1610	1600	µg/g	100.6	70 - 130	
1,4-Dioxane	ND	< 100		483	493	µg/g	98.0	60 - 120	
2-Ethoxyethanol	ND	< 30		184	183	µg/g	112.9	60 - 120	
Methylisobutylketone	ND	< 500		1650	1600	µg/g	103.1	70 - 130	
3-Methyl-1-butanol	ND	< 500		1800	1610	µg/g	111.8	70 - 130	
Ethylene Glycol	ND	< 200		280	483	µg/g	58.0	60 - 120	Q6
Toluene	ND	< 100		487	493	µg/g	98.9	60 - 120	
Isobutyl Acetate	ND	< 500		1610	1600	µg/g	100.6	70 - 130	
1-Pentanol	ND	< 500		1870	1600	µg/g	116.9	70 - 130	
Butyl Acetate	ND	< 500		1620	1600	µg/g	101.3	70 - 130	
Ethylbenzene	ND	< 200		968	969	µg/g	99.7	60 - 120	
m,p-Xylene	ND	< 200		964	968	µg/g	99.6	60 - 120	
o-Xylene	ND	< 200		985	976	µg/g	100.9	60 - 120	
Cumene	ND	< 30		166	162	µg/g	102.5	60 - 120	
Anisole	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
DMSO	ND	< 500		1340	1610	µg/g	83.2	70 - 130	
1,2-dimethoxyethane	ND	< 50		159	164	µg/g	97.0	70 - 130	
Triethylamine	ND	< 500		1350	1600	µg/g	84.4	70 - 130	
N,N-dimethylformamide	ND	< 150		493	484	µg/g	101.9	70 - 130	
N,N-dimethylacetamide	ND	< 150		475	489	µg/g	97.1	70 - 130	
Pyridine	ND	< 50		159	172	µg/g	92.4	70 - 130	
Silfolane	ND	< 50		143	163	µg/g	87.7	70 - 130	
1,2-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0	70 - 130	
Chloroform	ND	< 1		1.1	1	µg/g	110.0	70 - 130	
Trichloroethylene	ND	< 1		1.26	1	µg/g	126.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0	70 - 130	



12423 NE Whitaker Way  
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 503-254-1794



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Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

QC- Sample Duplicate		Sample ID: 23-008930-0001						
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		
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	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		
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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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.