



This is an amended version of report# 25-014056/D001.R000.

Reason: Additional testing included.

Customer: The Hemp Collect
 2014 SE 9th Ave
 Portland Oregon 97214
 United States of America (USA)

Product identity: Live D9, Indica, Passionfruit, 20mg

Metrc ID: .

Material: Cannabinoid Edible

Laboratory ID: 25-014056-0001

Evidence of Cooling: No

Temp: 19.1 °C

Lot #: 3032NC_111525

Serving Size #1: 8 g



**THE HEMP
COLLECT**

Sample Results

Potency					Method: J AOAC 2015 V98-6 (mod) ^b		Batch: 2508595		Analyze: 11/19/25	
Analyte	Result	Units	LOQ	Notes	Serving Size #1					
					Result	Units	LOQ			
CBC	0.0663	%	0.0071		5.31	mg/8g	0.57			
CBC-A	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBC-Total	0.0663	%	0.0133		5.30	mg/8g	1.06			
CBD [±]	0.0113	%	0.0071		0.903	mg/8g	0.57			
CBD-A [±]	0.0137	%	0.0071		1.09	mg/8g	0.57			
CBD-Total [±]	0.0233	%	0.0133		1.86	mg/8g	1.06			
CBDV	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBDV-A	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBDV-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.06			
CBE	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBG	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBG-A	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBG-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.06			
CBL	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBL-A	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
CBL-Total	< LOQ	%	0.0133		< LOQ	mg/8g	1.06			
CBN	0.134	%	0.0071		10.8	mg/8g	0.57			
CBT	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ10-THC-9R	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ10-THC-9S	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ10-THC-Total	< LOQ	%	0.0141		< LOQ	mg/8g	1.13			
Δ8-THC [±]	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ8-THCV	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ9-THC [±]	0.278	%	0.0071		22.3	mg/8g	0.57			
Δ9-THC-A [±]	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ9-THC-Total [±]	0.278	%	0.0133		22.2	mg/8g	1.06			
Δ9-THCP	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			
Δ9-THCV	< LOQ	%	0.0071		< LOQ	mg/8g	0.57			



Potency					Method: J AOAC 2015 V98-6 (mod) ^b		Batch: 2508595		Analyze: 11/19/25		
					Serving Size #1						
Analyte	Result	Units	LOQ	Notes	Result	Units	LOQ				
Δ9-THCV-A	< LOQ	%	0.0071		< LOQ	mg/8g	0.57				
Δ9-THCV-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.06				
exo-THC	< LOQ	%	0.0071		< LOQ	mg/8g	0.57				
Total Cannabinoids	0.503	%			40.2	mg/8g					

Microbiology											
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method				Status	Notes
Salmonella spp. [⊥]	Negative		/25g		2508754	11/27/25	AOAC 2020.02 ^b				
EHEC including STEC [⊥]	Negative		/25g		2508755	11/27/25	AOAC 2020.06 ^b				

Solvents											
Method: Residual Solvents by HS-GC-MS ^b											
Units μg/g						Batch 2508876		Analyze: 12/03/25			
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	

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)											
Units mg/kg						Batch 2508856		Analyze: 12/03/25			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [⊥]	< LOQ	0.50	0.250	pass		Acephate [⊥]	< LOQ	0.40	0.200	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	
Bifenazate [⊥]	< 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-ethyl [⊥]	< LOQ	0.20	0.100	pass	
Clofentezine [⊥]	< LOQ	0.20	0.100	pass		Cyfluthrin (sum) [⊥]	< LOQ	1.0	0.500	pass	
Cypermethrin (sum) [⊥]	< LOQ	1.0	0.500	pass		Daminozide [⊥]	< LOQ	1.0	0.500	pass	



Pesticides		Method: AOAC 2007.01 & EN 15662 (mod)				Units mg/kg Batch 2508856		Analyze: 12/03/25			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
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		Etoxazole [⊥]	< 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	
Imazalil [⊥]	< 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		Paclobutrazole [⊥]	< LOQ	0.40	0.200	pass	
Parathion-methyl [⊥]	< LOQ	0.20	0.100	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	0.100	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							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes
Arsenic [±]	< LOQ	0.200	mg/kg	0.0182	2508890	12/03/25	AOAC 2013.06 (mod.) ^b	pass	
Cadmium [±]	< LOQ	0.200	mg/kg	0.0182	2508890	12/03/25	AOAC 2013.06 (mod.) ^b	pass	
Lead [±]	< LOQ	0.500	mg/kg	0.0182	2508890	12/03/25	AOAC 2013.06 (mod.) ^b	pass	
Mercury [±]	< LOQ	0.100	mg/kg	0.00912	2508890	12/03/25	AOAC 2013.06 (mod.) ^b	pass	

Mycotoxins									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method		Status	Notes
Aflatoxin B1 [±]	< LOQ		µg/kg	5.00	2508802	12/01/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 [±]	< LOQ		µg/kg	5.00	2508802	12/01/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 [±]	< LOQ		µg/kg	5.00	2508802	12/01/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 [±]	< LOQ		µg/kg	5.00	2508802	12/01/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2508802	12/01/25	Mycotoxins by AOAC 2007.01 ^b	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		12/04/25	Mycotoxins by AOAC 2007.01 ^b	pass	

**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.**Threshold Note:** OAR 333-007-0400

↳ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

Units of Measure

/25g = Per 25g

µg/g = Microgram per gram

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

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

% = Percentage of sample

mg/8g = Milligram per 8g

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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

Report Number: 25-014056/D001.R001
Report Date: 12/04/2025
ORELAP#: OR100028
Purchase Order:
Received: 11/18/25 10:07



Hemp & Cannabis
Chain of Custody

The-Hemp-
Collect-1763392469

Company Details Company: The Hemp Collect Contact: Cris Kingsland Street Address: 2014 SE 9th City, State, Zip: Portland, OR 97214 Email: coas@thehempcollect.com Contact Phone: 7707220962 Billing Information Billing Email: accounting@thehempcollect.com				Project Details Turnaround Time: 4 Business Days Surcharges Apply Relinquishment Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex) Additional Comments for Project: Will request further testing after reviewing potency. Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Canna Shelves				Testing
#	Sample Name	Lot Additional Sample ID	Material	Amount Provided	Reporting Unit	Serving Size		
1	Live D9, Indica, Passionfruit, 20mg	3032NC_111525	Cannabinoid Edible	72 g	mg/g & mg/serving	8 g	✓	

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#
<i>Cris Kingsland</i>	<i>11/17/2025</i>	<i>07:14</i>	<i>rls</i>	<i>11/18/2025</i>	<i>10:07</i>	<i>19.10</i>	<i>CL-0530</i>

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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Page 1 of 1
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Laboratory Quality Control Results
J AOAC 2015 V98-6 **Batch ID: 2508595**
Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0297	0.0303	%	98.2	80.0 - 120	Acceptable	
CBDV	2	0.0323	0.0328	%	98.6	80.0 - 120	Acceptable	
CBE	2	0.0327	0.0333	%	98.0	80.0 - 120	Acceptable	
CBDA	1	0.0276	0.0286	%	96.4	90.0 - 110	Acceptable	
CBGA	1	0.0294	0.0300	%	98.0	80.0 - 120	Acceptable	
CBG	1	0.0269	0.0276	%	97.6	80.0 - 120	Acceptable	
CBD	1	0.0254	0.0271	%	93.7	90.0 - 110	Acceptable	
THCV	2	0.0329	0.0327	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.0262	0.0260	%	101	80.0 - 120	Acceptable	
THCVA	2	0.0287	0.0290	%	98.9	80.0 - 120	Acceptable	
CBN	1	0.0275	0.0276	%	99.5	80.0 - 120	Acceptable	
exo-THC	2	0.0299	0.0303	%	98.9	80.0 - 120	Acceptable	
d9THC	1	0.0294	0.0294	%	99.9	90.0 - 110	Acceptable	
d8THC	1	0.0276	0.0280	%	98.9	90.0 - 110	Acceptable	
9S-d10THC	1	0.0301	0.0308	%	97.8	80.0 - 120	Acceptable	
CBL	2	0.0310	0.0298	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0318	0.0329	%	96.7	80.0 - 120	Acceptable	
CBC	2	0.0317	0.0329	%	96.5	80.0 - 120	Acceptable	
THCA	1	0.0295	0.0306	%	96.2	90.0 - 110	Acceptable	
CBCA	2	0.0312	0.0319	%	97.8	80.0 - 120	Acceptable	
CBLA	2	0.0311	0.0315	%	98.7	80.0 - 120	Acceptable	
d9THCP	2	0.0302	0.0305	%	98.9	80.0 - 120	Acceptable	
CBT	2	0.0319	0.0326	%	97.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBDV	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBE	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBDA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBGA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBG	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBD	<LOQ	0.00703	%	< 0.00703	Acceptable	
THCV	<LOQ	0.00703	%	< 0.00703	Acceptable	
d8THCV	<LOQ	0.00703	%	< 0.00703	Acceptable	
THCVA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBN	<LOQ	0.00703	%	< 0.00703	Acceptable	
exo-THC	<LOQ	0.00703	%	< 0.00703	Acceptable	
d9THC	<LOQ	0.00703	%	< 0.00703	Acceptable	
d8THC	<LOQ	0.00703	%	< 0.00703	Acceptable	
9S-d10THC	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBL	<LOQ	0.00703	%	< 0.00703	Acceptable	
9R-d10THC	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBC	<LOQ	0.00703	%	< 0.00703	Acceptable	
THCA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBCA	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBLA	<LOQ	0.00703	%	< 0.00703	Acceptable	
d9THCP	<LOQ	0.00703	%	< 0.00703	Acceptable	
CBT	<LOQ	0.00703	%	< 0.00703	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



Laboratory Quality Control Results

J AOAC 2015 V98-6			Batch ID: 2508595					
Sample Duplicate			Sample ID: 25-014020-0001					
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00703	%	NA	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBG	0.00733	0.00744	0.00703	%	1.54	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00703	%	NA	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
d9THC	0.254	0.261	0.00703	%	2.83	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00703	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00703	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00703	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



Laboratory Quality Control Results

Residual Solvents					Batch ID: 2508876					
Method Blank					Laboratory Control Sample					
Analyte	Result	LOQ	Notes		Result	Spike	Units	% Rec	Limits	Notes
1,2-Dichloroethene, trans-	ND	< 1			0.852	1	µg/g	85.2	50-150	
1,2-dimethoxyethane	ND	< 50			139	164	µg/g	84.8	50-150	
1,4-Dioxane	ND	< 100			456	509	µg/g	89.6	60-120	
2,2-Dimethylbutane	ND	< 30			170	188	µg/g	90.4	60-120	
2,2-Dimethylpropane	ND	< 200			758	956	µg/g	79.3	60-120	
2,3-Dimethylbutane	ND	< 30			188	188	µg/g	100.0	60-120	
2-Butanol	ND	< 200			1500	1640	µg/g	91.5	60-120	
2-Ethoxyethanol	ND	< 30			165	188	µg/g	87.8	60-120	
2-methyl-1-propanol	ND	< 500			1460	1640	µg/g	89.0	50-150	
2-Methylbutane	ND	< 200			1600	1660	µg/g	96.4	60-120	
2-Methylpentane	ND	< 30			191	189	µg/g	101.1	60-120	
2-Propanol	ND	< 200			1650	1680	µg/g	98.2	60-120	
3-Methyl-1-butanol	ND	< 500			1460	1660	µg/g	88.0	50-150	
3-Methylpentane	ND	< 30			177	188	µg/g	94.1	60-120	
Acetone	ND	< 200			1600	1670	µg/g	95.8	60-120	
Acetonitrile	ND	< 100			489	511	µg/g	95.7	60-120	
Anisole	ND	< 500			1460	1680	µg/g	86.9	50-150	
Benzene	ND	< 1			0.878	1	µg/g	87.8	50-150	
Butane	ND	< 200			600	769	µg/g	78.0	60-120	
Chlorobenzene	ND	< 1			1.04	1	µg/g	104.0	50-150	
Chloroform	ND	< 1			0.946	1	µg/g	94.6	50-150	
Cumene	ND	< 30			162	192	µg/g	84.4	60-120	
Cyclohexane	ND	< 200			1530	1650	µg/g	92.7	60-120	
Dichloromethane	ND	< 1			0.975	1	µg/g	97.5	50-150	
Ethanol	ND	< 200			1600	1650	µg/g	97.0	60-120	
Ethyl acetate	ND	< 200			1530	1630	µg/g	93.9	60-120	
Ethyl Ether	ND	< 200			1560	1630	µg/g	95.7	60-120	
Ethylbenzene	ND	< 200			873	996	µg/g	87.7	60-120	
Ethylene Glycol	ND	< 200			475	520	µg/g	91.3	60-120	
Ethylene Oxide	ND	< 1			0.616	1	µg/g	61.6	50-150	
Heptane	ND	< 200			1470	1630	µg/g	90.2	60-120	
Hexane	ND	< 30			184	191	µg/g	96.3	60-120	
Isobutane	ND	< 200			584	770	µg/g	75.8	60-120	
Isopropyl Acetate	ND	< 200			1540	1660	µg/g	92.8	60-120	
m,p-Xylene	ND	< 200			894	1030	µg/g	86.8	60-120	
Methanol	ND	< 200			1700	1660	µg/g	102.4	60-120	
Methyl Acetate	ND	< 500			1430	1650	µg/g	86.7	50-150	
Methylethylketone	ND	< 500			1450	1650	µg/g	87.9	50-150	
MTBE	ND	< 500			1510	1650	µg/g	91.5	50-150	
N,N-dimethylformamide	ND	< 150			478	532	µg/g	89.8	50-150	
o-Xylene	ND	< 200			845	996	µg/g	84.8	60-120	
Pentane	ND	< 200			1580	1630	µg/g	96.9	60-120	
Propane	ND	< 200			470	585	µg/g	80.3	60-120	
Pyridine	ND	< 50			184	204	µg/g	90.2	50-150	
Sulfolane	ND	< 50			184	220	µg/g	83.6	50-150	
Tetrahydrofuran	ND	< 100			477	519	µg/g	91.9	60-120	
Toluene	ND	< 100			458	518	µg/g	88.4	60-120	
Trichloroethylene	ND	< 1			1.04	1	µg/g	104.0	50-150	



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

QC - Sample Duplicate

Sample ID: 25-014523-0001

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Chlorobenzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	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	
Tetrahydrofuran	234	233	100	µg/g	0.4	< 20	Acceptable	
Toluene	502	567	100	µg/g	12.2	< 20	Acceptable	
Trichloroethylene	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



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



Report Number: 25-014056/D001.R001
Report Date: 12/04/2025
ORELAP#: OR100028
Purchase Order:
Received: 11/18/25 10:07





Explanation of QC Flag Comments:

Code	Explanation
A	This analysis was performed on a VOA sample containing headspace.
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.
B3	Dilution water blank of BOD was above the recommended limit; associated samples could be high biased.
CP	Client provided value.
CV	Calculated value.
E	Analyte concentration exceeds the calibration range, results are estimated.
E1	Estimated value.
E2	Estimated value. Matrix interference observed.
H	Holding time was exceeded.
J	Estimated value, above the detection limit and below the LOQ
I	Insufficient sample received to meet method requirements.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
LOQ3	< LOQ could be due to potential inhibition.
N1	See case narrative
P	Not preserved to the proper pH
P1	Storage temperature out of control
P2	Incubator temperature out of control
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.
Q7	Quality control outside QC limits.
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.
RE	Re-extracted and/or re-analyzed.
REH	The original analysis was within holding time; re-analysis past holding time.
S	Surrogate recovery outside control limit.
T	Tentatively Identified Compound (TIC) by library search.
T1	Confirmed by secondary ion
W	Results are reported on dry weight basis.