



This is an amended version of report# 25-015039/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, Sativa, Strawberry Rhubarb, 20mg

Metric ID: .

Material: Cannabinoid Edible

Laboratory ID: 25-015039-0001

Evidence of Cooling: No

Temp: 21.1 °C

Lot #: 3029.1NC_120825

Serving Size #1: 8 g



**THE HEMP
COLLECT**

Sample Results

Potency					Method: J AOAC 2015 V98-6 (mod) ^b		Batch: 2509130		Analyze: 12/11/25	
Analyte	Result	Units	LOQ	Notes	Serving Size #1					
					Result	Units	LOQ			
CBC	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBC-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBC-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05			
CBD [±]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBD-A [±]	0.0142	%	0.0070		1.13	mg/8g	0.56			
CBD-Total [±]	< LOQ	%	0.0132		< LOQ	mg/8g	1.05			
CBDV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBDV-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBDV-Total	< LOQ	%	0.0131		< LOQ	mg/8g	1.05			
CBE	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBG	0.156	%	0.0070		12.5	mg/8g	0.56			
CBG-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBG-Total	0.156	%	0.0131		12.5	mg/8g	1.05			
CBL	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBL-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBL-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05			
CBN	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
CBT	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ10-THC-9R	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ10-THC-9S	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ10-THC-Total	< LOQ	%	0.0140		< LOQ	mg/8g	1.12			
Δ8-THC [±]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ8-THCV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ9-THC [±]	0.282	%	0.0070		22.5	mg/8g	0.56			
Δ9-THC-A [±]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ9-THC-Total [±]	0.282	%	0.0132		22.6	mg/8g	1.05			
Δ9-THCP	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			
Δ9-THCV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56			



Potency					Method: J AOAC 2015 V98-6 (mod) ^b					Batch: 2509130			Analyze: 12/11/25																										
Analyte					Result					Units					LOQ					Notes					Serving Size #1														
																									Result					Units					LOQ				
Δ9-THCV-A					< LOQ					%					0.0070										< LOQ					mg/8g					0.56				
Δ9-THCV-Total					< LOQ					%					0.0131										< LOQ					mg/8g					1.05				
exo-THC					< LOQ					%					0.0070										< LOQ					mg/8g					0.56				
Total Cannabinoids					0.452					%															36.2					mg/8g									

Microbiology										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Salmonella spp. [±]	Negative		/25g		2509314	12/20/25 AOAC 2020.02 ^b				
EHEC including STEC [±]	Negative		/25g		2509315	12/20/25 AOAC 2020.06 ^b				

Solvents										
Method: Residual Solvents by HS-GC-MS ^b										
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
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)										
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status
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 2509391		Analyze: 12/22/25
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	0.0196	2509383	12/22/25 AOAC 2013.06 (mod.) ^b	pass	
Cadmium [±]	< LOQ	0.200	mg/kg	0.0196	2509383	12/22/25 AOAC 2013.06 (mod.) ^b	pass	
Lead [±]	< LOQ	0.500	mg/kg	0.0196	2509383	12/22/25 AOAC 2013.06 (mod.) ^b	pass	
Mercury [±]	< LOQ	0.100	mg/kg	0.00981	2509383	12/22/25 AOAC 2013.06 (mod.) ^b	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 [±]	< LOQ		µg/kg	5.00	2509481	12/29/25 Mycotoxins by AOAC 2007.01		
Aflatoxin B2 [±]	< LOQ		µg/kg	5.00	2509481	12/29/25 Mycotoxins by AOAC 2007.01		
Aflatoxin G1 [±]	< LOQ		µg/kg	5.00	2509481	12/29/25 Mycotoxins by AOAC 2007.01		
Aflatoxin G2 [±]	< LOQ		µg/kg	5.00	2509481	12/29/25 Mycotoxins by AOAC 2007.01		
Ochratoxin A [±]	< LOQ	20.0	µg/kg	5.00	2509481	12/29/25 Mycotoxins by AOAC 2007.01	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		12/29/25 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: 25-015039/D001.R001
Report Date: 12/29/2025
ORELAP#: OR100028
Purchase Order:
Received: 12/10/25 10:21



**Hemp & Cannabis
Chain of Custody**

**The-Hemp-
Collect-1765302675**

Company Details				Project Details			Testing
Company: The Hemp Collect Contact: Cris Kingsland Street Address: 2014 SE 9th City, State, Zip: Portland, OR 97214 Email: coas@thehempcollect.com Contact Phone: 707220962 Billing Information Billing Email: accounting@thehempcollect.com				Turnaround Time: 4 Business Days Surcharges Apply Relinquishment Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, FedEx) Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Canna Shelves			HDD - Potency Cannabis (Basic-Expanded)
#	Sample Name	Lot Additional Sample ID	Material	Amount Provided	Reporting Unit	Serving Size	
1	Live D9, Sativa, Strawberry Rhubarb, 20mg	3029.INC.120825	Cannabinoid Edible	72 g	mg/g & mg/serving	8 g	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#	Other IR Therm. CL#
<i>Cris Kingsland</i>	<i>12/09/2025</i>	<i>09:51</i>	<i>ns</i>	<i>12/10/2025</i>	<i>10:21</i>	<i>21.10</i>	<i>Other</i>	<i>d-0495</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
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Laboratory Quality Control Results
J AOAC 2015 V98-6 **Batch ID: 2509130**
Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0279	0.0279	%	99.8	80.0 - 120	Acceptable	
CBDV	2	0.0306	0.0302	%	101	80.0 - 120	Acceptable	
CBE	2	0.0307	0.0308	%	100.0	80.0 - 120	Acceptable	
CBDA	1	0.0309	0.0302	%	102	90.0 - 110	Acceptable	
CBGA	1	0.0325	0.0317	%	103	80.0 - 120	Acceptable	
CBG	1	0.0296	0.0291	%	102	80.0 - 120	Acceptable	
CBD	1	0.0283	0.0286	%	99.0	90.0 - 110	Acceptable	
THCV	2	0.0309	0.0302	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.0241	0.0240	%	100	80.0 - 120	Acceptable	
THCVA	2	0.0270	0.0268	%	101	80.0 - 120	Acceptable	
CBN	1	0.0303	0.0291	%	104	80.0 - 120	Acceptable	
exo-THC	2	0.0280	0.0279	%	100	80.0 - 120	Acceptable	
d9THC	1	0.0333	0.0311	%	107	90.0 - 110	Acceptable	
d8THC	1	0.0289	0.0295	%	98.0	90.0 - 110	Acceptable	
9S-d10THC	1	0.0335	0.0325	%	103	80.0 - 120	Acceptable	
CBL	2	0.0286	0.0275	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0350	0.0347	%	101	80.0 - 120	Acceptable	
CBC	2	0.0299	0.0303	%	98.5	80.0 - 120	Acceptable	
THCA	1	0.0327	0.0323	%	101	90.0 - 110	Acceptable	
CBCA	2	0.0296	0.0294	%	100	80.0 - 120	Acceptable	
CBLA	2	0.0290	0.0291	%	99.6	80.0 - 120	Acceptable	
d9THCP	2	0.0282	0.0282	%	100.0	80.0 - 120	Acceptable	
CBT	2	0.0299	0.0301	%	99.4	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBDV	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBE	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBDA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBGA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBG	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBD	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCV	<LOQ	0.00707	%	< 0.00707	Acceptable	
d8THCV	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCVA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBN	<LOQ	0.00707	%	< 0.00707	Acceptable	
exo-THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
d9THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
d8THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
9S-d10THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBL	<LOQ	0.00707	%	< 0.00707	Acceptable	
9R-d10THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBC	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBCA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBLA	<LOQ	0.00707	%	< 0.00707	Acceptable	
d9THCP	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBT	<LOQ	0.00707	%	< 0.00707	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: 2509130					
Sample Duplicate			Sample ID: 25-015039-0001					
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBDA	0.0142	0.0142	0.00699	%	0.115	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBG	0.156	0.156	0.00699	%	0.0911	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d9THC	0.282	0.282	0.00699	%	0.121	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00699	%	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: 2509341				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
1,1,1-Trichloroethane	ND	< 5		4.69	5	µg/g	93.8	50-150	
1,1-Dichloroethane	ND	< 1		0.869	1	µg/g	86.9	50-150	
1,1-Dichloroethene	ND	< 1		0.869	1	µg/g	86.9	50-150	
1,2-Dichloroethene, trans-	ND	< 1		0.862	1	µg/g	86.2	50-150	
1,4-Dioxane	ND	< 100		539	509	µg/g	105.9	60-120	
1-Butanol	ND	< 500		1570	1640	µg/g	95.7	50-150	
1-Pentanol	ND	< 500		1610	1660	µg/g	97.0	50-150	
1-Propanol	ND	< 500		1620	1690	µg/g	95.9	50-150	
2,2-Dimethylbutane	ND	< 30		186	188	µg/g	98.9	60-120	
2,2-Dimethylpropane	ND	< 200		956	956	µg/g	100.0	60-120	
2,3-Dimethylbutane	ND	< 30		220	188	µg/g	117.0	60-120	
2-Butanol	ND	< 200		1950	1640	µg/g	118.9	60-120	
2-Ethoxyethanol	ND	< 30		262	188	µg/g	139.4	60-120	Q1
2-methyl-1-propanol	ND	< 500		1520	1640	µg/g	92.7	50-150	
2-Methylbutane	ND	< 200		1910	1660	µg/g	115.1	60-120	
2-Methylpentane	ND	< 30		199	189	µg/g	105.3	60-120	
2-Propanol	ND	< 200		2020	1680	µg/g	120.2	60-120	Q1
3-Methylpentane	ND	< 30		194	188	µg/g	103.2	60-120	
Acetone	ND	< 200		1880	1670	µg/g	112.6	60-120	
Acetonitrile	ND	< 100		592	511	µg/g	115.9	60-120	
Benzene	ND	< 1		0.922	1	µg/g	92.2	50-150	
Butane	ND	< 200		797	769	µg/g	103.6	60-120	
Butyl Acetate	ND	< 500		1630	1650	µg/g	98.8	50-150	
Cumene	ND	< 30		211	192	µg/g	109.9	60-120	
Cyclohexane	ND	< 200		1690	1650	µg/g	102.4	60-120	
Dichloromethane	ND	< 1		0.91	1	µg/g	91.0	50-150	
Ethanol	ND	< 200		2020	1650	µg/g	122.4	60-120	Q1
Ethyl acetate	ND	< 200		1920	1630	µg/g	117.8	60-120	
Ethyl Ether	ND	< 200		1670	1630	µg/g	102.5	60-120	
Ethyl Formate	ND	< 500		1590	1680	µg/g	94.6	50-150	
Ethylbenzene	ND	< 200		1120	996	µg/g	112.4	60-120	
Ethylene Glycol	ND	< 200		536	520	µg/g	103.1	60-120	
Ethylene Oxide	ND	< 1		0.784	1	µg/g	78.4	50-150	
Heptane	ND	< 200		1990	1630	µg/g	122.1	60-120	Q6
Hexane	ND	< 30		197	191	µg/g	103.1	60-120	
Isobutane	ND	< 200		784	770	µg/g	101.8	60-120	
Isopropyl Acetate	ND	< 200		2020	1660	µg/g	121.7	60-120	Q1
m,p-Xylene	ND	< 200		1140	1030	µg/g	110.7	60-120	
Methanol	ND	< 200		2290	1660	µg/g	138.0	60-120	Q1
Methyl Acetate	ND	< 500		1540	1650	µg/g	93.3	50-150	
Methylethylketone	ND	< 500		1570	1650	µg/g	95.2	50-150	
MTBE	ND	< 500		1530	1650	µg/g	92.7	50-150	
o-Xylene	ND	< 200		1140	996	µg/g	114.5	60-120	
Pentane	ND	< 200		1890	1630	µg/g	116.0	60-120	
Propane	ND	< 200		622	585	µg/g	106.3	60-120	
Tetrahydrofuran	ND	< 100		523	519	µg/g	100.8	60-120	
Toluene	ND	< 100		556	518	µg/g	107.3	60-120	


QC - Sample Duplicate
Sample ID: 25-013545-0002

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,1,1-Trichloroethane	ND	ND	5	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	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-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	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	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	
Ethyl Formate	ND	ND	500	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	
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	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	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





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.