



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



Report Number: 22-004061/D003.R000
Report Date: 04/18/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/11/22 09:44

Customer: Trojan Horse Cannabis
Product identity: 15:1 Blackberry Pâte de Fruit
Client/Metric ID: Batch: 2022.03.01
Laboratory ID: 22-004061-0002

Summary

Potency:

Analyte per 4.5g	Result	Limits	Units	Status	
CBC per 4.5g†	6.66		mg/4.5g		CBD-Total per 4.5g 126 mg/4.5g
CBD per 4.5g	126		mg/4.5g		
CBDV per 4.5g†	2.35		mg/4.5g		THC-Total per 4.5g 9.14 mg/4.5g
CBE per 4.5g†	1.74		mg/4.5g		
CBG per 4.5g†	4.73		mg/4.5g		(Reported in milligrams per serving)
CBN per 4.5g	0.180		mg/4.5g		
CBT per 4.5g†	3.77		mg/4.5g		
Δ9-THC per 4.5g	9.14		mg/4.5g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Analyte	Result	Units
Aerobic Plate Count	10	cfu/g



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Customer: Trojan Horse Cannabis
United States of America (USA)
Product identity: 15:1 Blackberry Pâte de Fruit
Client/Metric ID: Batch: 2022.03.01
Sample Date:
Laboratory ID: 22-004061-0002
Evidence of Cooling: No
Temp: 15.2 °C
Relinquished by: UPS
Serving Size #1: 4.5 g

Sample Results

Potency per 4.5g Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2203215 Analyze: 4/13/22 10:09:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4.5g [†]	6.66		mg/4.5g	0.149	
CBC-A per 4.5g [†]	< LOQ		mg/4.5g	0.149	
CBC-Total per 4.5g [†]	6.66		mg/4.5g	0.279	
CBD per 4.5g	126		mg/4.5g	1.49	
CBD-A per 4.5g	< LOQ		mg/4.5g	0.149	
CBD-Total per 4.5g	126		mg/4.5g	1.62	
CBDV per 4.5g [†]	2.35		mg/4.5g	0.149	
CBDV-A per 4.5g [†]	< LOQ		mg/4.5g	0.149	
CBDV-Total per 4.5g [†]	2.35		mg/4.5g	0.277	
CBE per 4.5g [†]	1.74		mg/4.5g	0.149	
CBG per 4.5g [†]	4.73		mg/4.5g	0.149	
CBG-A per 4.5g [†]	< LOQ		mg/4.5g	0.149	
CBG-Total per 4.5g [†]	4.73		mg/4.5g	0.277	
CBL per 4.5g [†]	< LOQ		mg/4.5g	0.149	
CBL-A per 4.5g [†]	< LOQ		mg/4.5g	0.149	
CBL-Total per 4.5g [†]	< LOQ		mg/4.5g	0.279	
CBN per 4.5g	0.180		mg/4.5g	0.149	
CBT per 4.5g [†]	3.77		mg/4.5g	0.149	
Δ8-THCV per 4.5g [†]	< LOQ		mg/4.5g	0.149	
Δ8-THC per 4.5g [†]	< LOQ		mg/4.5g	0.149	
Δ9-THC per 4.5g	9.14		mg/4.5g	0.149	
exo-THC per 4.5g [†]	< LOQ		mg/4.5g	0.149	
THC-A per 4.5g	< LOQ		mg/4.5g	0.149	
THC-Total per 4.5g	9.14		mg/4.5g	0.279	
THCV per 4.5g [†]	< LOQ		mg/4.5g	0.149	
THCV-A per 4.5g [†]	< LOQ		mg/4.5g	0.149	
THCV-Total per 4.5g [†]	< LOQ		mg/4.5g	0.279	
Total Cannabinoids per 4.5g	154		mg/4.5g		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Notes
Aerobic Plate Count	10	10,000	cfu/g	10	2203102	04/14/22	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ	100	cfu/g	10	2203100	04/14/22	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ	100	cfu/g	10	2203100	04/14/22	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ	1,000	cfu/g	10	2203101	04/15/22	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ	1,000	cfu/g	10	2203101	04/15/22	AOAC 2014.05 (RAPID)	X
Salmonella spp. by PCR	Negative		/25g		2203104	04/13/22	AOAC 2020.02	X
EHEC including STEC	Negative		/25g		2203105	04/13/22	AOAC RI 121806	X

Solvents	Method	Residual Solvents by GC/MS				Units µg/g	Batch	2203238					Analyzed	04/15/22			
Analyte	Result	Limits	LOQ	LOD	Notes	Analyte	Result	Limits	LOQ	LOD	Notes	Analyte	Result	Limits	LOQ	LOD	Notes
2-Methylbutane (Isopentane)	< LOD	1000	200	51.7		2-Methylpentane	< LOD	60.0	30.0	3.75		2-Methylpentane	< LOD	60.0	30.0	3.75	
2-Propanol (IPA)	< LOD	1000	200	39.3		2,2-Dimethylbutane	< LOD	60.0	30.0	4.01		2,2-Dimethylbutane	< LOD	60.0	30.0	4.01	
2,2-Dimethylpropane (neo-pentane)	< LOD	1000	200	50.0		2,3-Dimethylbutane	< LOD	60.0	30.0	6.09		2,3-Dimethylbutane	< LOD	60.0	30.0	6.09	
3-Methylpentane	< LOD	60.0	30.0	5.44		Acetone	< LOD	1000	200	16.6		Acetone	< LOD	1000	200	16.6	
Benzene	< LOD	2.00	1.00	0.120		Butanes (sum)	< LOQ	1000	400			Butanes (sum)	< LOQ	1000	400		
Ethanol	< LOD	1000	200	32.8		Ethyl acetate	< LOD	1000	200	22.0		Ethyl acetate	< LOD	1000	200	22.0	
Hexanes (sum)	< LOQ	60.0	150			m,p-Xylene	< LOD	430	200	35.5		m,p-Xylene	< LOD	430	200	35.5	
Methanol	< LOD	600	200	50.0		Methylpropane (Isobutane)	< LOD	1000	200	25.9		Methylpropane (Isobutane)	< LOD	1000	200	25.9	
n-Butane	< LOD	1000	200	32.2		n-Heptane	< LOD	1000	200	37.1		n-Heptane	< LOD	1000	200	37.1	
n-Hexane	< LOD	60.0	30.0	3.14		n-Pentane	< LOD	1000	200	39.5		n-Pentane	< LOD	1000	200	39.5	
o-Xylene	< LOD	430	200	47.1		Pentanes (sum)	< LOQ	1000	600			Pentanes (sum)	< LOQ	1000	600		
Propane	< LOD	1000	200	26.0		Toluene	< LOD	180	100	21.4		Toluene	< LOD	180	100	21.4	
Total Xylenes	< LOQ	430	400														



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Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2203195 **Analyzed** 04/14/22

Analyte	Result	Limits	LOQ	LOD	Notes	Analyte	Result	Limits	LOQ	LOD	Notes
Abamectin	< LOD		0.070	0.019		Acephate	< LOD		0.020	0.003	
Acequinocyl	< LOD		0.025	0.010		Acetamiprid	< LOD		0.050	0.005	
Aldicarb	< LOD		0.100	0.005		Bifenazate	< LOD		0.010	0.003	
Bifenthrin	< LOD		0.100	0.017		Boscalid	< LOD		0.010	0.003	
Carbaryl	< LOD		0.025	0.003		Carbofuran	< LOD		0.010	0.001	
Chlorantraniliprole	< LOD		0.010	0.002		Chlorfenapyr	< LOD		0.100	0.050	
Chlorpyrifos	< LOD		0.010	0.003		Clofentezine	< LOD		0.010	0.003	
Cyfluthrin	< LOD		0.200	0.20		Cypermethrin	< LOD		0.300	0.050	
Daminozide	< LOD		0.050	0.008		Diazinon	< LOD		0.010	0.001	
Dichlorvos	< LOD		0.050	0.006		Dimethoate	< LOD		0.010	0.003	
Ethoprophos	< LOD		0.010	0.002		Etofenprox	< LOD		0.010	0.002	
Etoxazole	< LOD		0.010	0.003		Fenoxycarb	< LOD		0.010	0.002	
Fenpyroximate	< LOD		0.020	0.002		Fipronil	< LOD		0.010	0.002	
Flonicamid	< LOD		0.025	0.004		Fludioxonil	< LOD		0.010	0.002	
Hexythiazox	< LOD		0.010	0.001		Imazalil	< LOD		0.010	0.002	
Imidacloprid	< LOD		0.010	0.004		Kresoxim-methyl	< LOD		0.010	0.004	
Malathion	< LOD		0.010	0.003		Metalaxyl	< LOD		0.010	0.001	
Methiocarb	< LOD		0.010	0.003		Methomyl	< LOD		0.025	0.004	
MGK-264	< LOD		0.050	0.008		Myclobutanil	< LOD		0.010	0.002	
Naled	< LOD		0.100	0.020		Oxamyl	< LOD		0.500	0.023	
Paclobutrazole	< LOD		0.010	0.002		Parathion-Methyl	< LOD		0.030	0.010	
Permethrin	< LOD		0.040	0.008		Phosmet	< LOD		0.010	0.003	
Piperonyl butoxide	< LOD		0.200	0.032		Prallethrin	< LOD		0.050	0.014	
Propiconazole	< LOD		0.010	0.003		Propoxur	< LOD		0.010	0.003	
Pyrethrins (total)	< LOD		0.025	0.004		Pyridaben	< LOD		0.020	0.004	
Spinosad	< LOD		0.010	0.003		Spiromesifen	< LOD		0.030	0.002	
Spirotetramat	< LOD		0.010	0.002		Spiroxamine	< LOD		0.010	0.001	
Tebuconazole	< LOD		0.010	0.003		Thiacloprid	< LOD		0.010	0.002	
Thiamethoxam	< LOD		0.010	0.003		Trifloxystrobin	< LOD		0.010	0.002	

Metals

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Arsenic	< LOQ	1.50	mg/kg	0.0176	0.00352	2203266	04/16/22	AOAC 2013.06 (mod.)	X
Cadmium	< LOD	0.500	mg/kg	0.0176	0.00266	2203266	04/16/22	AOAC 2013.06 (mod.)	X
Lead	< LOQ	0.500	mg/kg	0.0176	0.00170	2203266	04/16/22	AOAC 2013.06 (mod.)	X
Mercury	< LOD	1.50	mg/kg	0.00881	0.00113	2203266	04/16/22	AOAC 2013.06 (mod.)	X

Mycotoxins

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Aflatoxin B2	< LOD	5.00	µg/kg	5.00	1.09	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin B1	< LOD	5.00	µg/kg	5.00	1.26	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin G1	< LOD	5.00	µg/kg	5.00	1.00	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin G2	< LOD	5.00	µg/kg	5.00	0.967	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	
Ochratoxin A	< LOD	5.00	µg/kg	5.00	1.54	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	
Ochratoxin B	< LOD		µg/kg	2.00	0.750	2203224	04/15/22	AOAC 2007.01 & EN 15662 (mod)	



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Nutrition

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Moisture (Loss on Drying)	11.6		g/100g	0.10		2203211	04/13/22	AOAC 925.10 (mod.)	X



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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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

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

mg/4.5g = Milligram per 4.5g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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CDPHE - Hemp Product Analysis
Chain of Custody
ORELAP ID: OR100028 | ISO 17025 (ANAB) ID: AT-1508

TROJANHO

22-004061



Trojan Horse Cannabis

Company: Trojan Horse Cannabis			Analysis Requested										PO Number: _____		
Contact: Carly Jackson			Potency (H0010)	CDP HE Pesticides (P2150)	CDP HE Residual Solvents (H0023)	Heavy Metals (H0013)	Mycotoxins (H0042)	Moisture (H000)	CDP HE Final Product Profile (N190)			Project Number: _____			
Street: 4545 E60th Ave #160													Project Name: _____		
City: Commerce City State: CO Zip: 80222													Sampled By: _____		
☒ Email Results: Support@trojanhorsecannabis.com													License #: ☐ USDA: _____ ☐ Other: _____		
Ph: (435) 5534961 Fax: ()													Reporting Requested: ☒ Compliance (CDPHE) or ☐ R&D testing		
Billing (if different):													Turnaround time (TAT) in Business Days (BD): ☐ 5 BD ☒ 3 BD* ☐ 2 BD* *Check for availability		
Lab ID	Amount Received (g)	Client Sample Identification	Date Collected									Sample Type †	Product Weight (Units)	Container Weight	Comments
114.2	15.1	Sour Strawberry Pâte de Fruit, Batch: 2022.03.01	4/5/22	✓	✓	✓	✓	✓	✓	✓	✓	E	84 g	31	RED
114.8	15.1	Blackberry Pâte de Fruit, Batch: 2022.03.01	4/5/22	✓	✓	✓	✓	✓	✓	✓	✓	E	84 g	31	PURPLE
115.4	15.1	Pineapple Pâte de Fruit, Batch: 2022.03.01	4/5/22	✓	✓	✓	✓	✓	✓	✓	✓	E	84 g	31	YELLOW
															3) GRAM CONTAINER INCLUDING LID
Signature - Relinquished By: Carly Jackson			Date: 4/5/22	Time: 12pm	Signature - Received By: AC			Date: 4-11	Time: 9:44	Lab Use Only:					
										Shipped Via: UPS or ☐ Client drop-off					
										Evidence of cooling: ☐ Yes ☐ No - Temp (°C): _____					
										Sample in good condition: ☐ Yes ☐ No					
										☐ Cash ☐ Check ☐ CC ☐ Net: _____					
										Prelog storage: _____					

† - Sample Type Codes: Industrial Hemp Plant Material (P); Industrial Hemp Concentrates (C); Topical Product (T); Beverage (B); Industrial Hemp Edible Product (E)

** CDPHE Microbial Panel includes: Salmonella, STEC, Aerobic Plate Count, E. coli & Coliforms, Yeast & Mold

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this CDC. By signing "Relinquished by" you are agreeing to these terms
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Document ID: 3177 Revision: 2
Effective: 06/25/2021
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Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: _____ Time: _____

Received By (Initials): AC Logged in by (Initials): _____ Date: 4-11 Time: 9:44

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? _____ YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z 6FX 997 03 2920 3389

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other: _____

6) Was temperature upon receipt 4°C+/- 2°C (if appropriate)? YES NO NA
If not, client contacted: 15.2
Proceed? YES NO

7) Was there evidence of cooling? YES NO NA

What kind? Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA *Not labeled*

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____



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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2203215**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0338	0.033	%	101	80.0 - 120	Acceptable	
CBDV	0.0356	0.033	%	107	80.0 - 120	Acceptable	
CBE	0.0326	0.033	%	97.8	80.0 - 120	Acceptable	
CBDA	0.0357	0.033	%	107	90.0 - 110	Acceptable	
CBGA	0.0332	0.033	%	99.5	80.0 - 120	Acceptable	
CBG	0.0338	0.033	%	101	80.0 - 120	Acceptable	
CBD	0.0332	0.033	%	99.7	90.0 - 110	Acceptable	
THCV	0.0333	0.033	%	100	80.0 - 120	Acceptable	
d8THCV	0.0341	0.033	%	102	80.0 - 120	Acceptable	
THCVA	0.0321	0.033	%	96.2	80.0 - 120	Acceptable	
CBN	0.0340	0.033	%	102	90.0 - 110	Acceptable	
exo-THC	0.0320	0.033	%	95.9	80.0 - 120	Acceptable	
d9THC	0.0347	0.033	%	104	90.0 - 110	Acceptable	
d8THC	0.0330	0.033	%	99.0	90.0 - 110	Acceptable	
CBL	0.0324	0.033	%	97.2	80.0 - 120	Acceptable	
CBC	0.0341	0.033	%	102	80.0 - 120	Acceptable	
THCA	0.0351	0.033	%	105	90.0 - 110	Acceptable	
CBCA	0.0325	0.033	%	97.5	80.0 - 120	Acceptable	
CBLA	0.0342	0.033	%	102	80.0 - 120	Acceptable	
CBT	0.0312	0.033	%	93.7	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	< LOQ	0.003	%	< 0.003	Acceptable	
CBDV	< LOQ	0.003	%	< 0.003	Acceptable	
CBE	< LOQ	0.003	%	< 0.003	Acceptable	
CBDA	< LOQ	0.003	%	< 0.003	Acceptable	
CBGA	< LOQ	0.003	%	< 0.003	Acceptable	
CBG	< LOQ	0.003	%	< 0.003	Acceptable	
CBD	< LOQ	0.003	%	< 0.003	Acceptable	
THCV	< LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	< LOQ	0.003	%	< 0.003	Acceptable	
THCVA	< LOQ	0.003	%	< 0.003	Acceptable	
CBN	< LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	< LOQ	0.003	%	< 0.003	Acceptable	
d9THC	< LOQ	0.003	%	< 0.003	Acceptable	
d8THC	< LOQ	0.003	%	< 0.003	Acceptable	
CBL	< LOQ	0.003	%	< 0.003	Acceptable	
CBC	< LOQ	0.003	%	< 0.003	Acceptable	
THCA	< LOQ	0.003	%	< 0.003	Acceptable	
CBCA	< LOQ	0.003	%	< 0.003	Acceptable	
CBLA	< LOQ	0.003	%	< 0.003	Acceptable	
CBT	< LOQ	0.003	%	< 0.003	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: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2203215						
Sample Duplicate		Sample ID: 22-004061-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0454	0.0476	0.003	%	4.78	< 20	Acceptable	
CBE	0.0329	0.0341	0.003	%	3.44	< 20	Acceptable	
CBD	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0881	0.0906	0.003	%	2.75	< 20	Acceptable	
CBD	2.62	2.64	0.003	%	0.773	< 20	Acceptable	
THCV	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.00337	0.00352	0.003	%	4.22	< 20	Acceptable	
exo-THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.171	0.176	0.003	%	2.77	< 20	Acceptable	
d8THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBL	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.124	0.127	0.003	%	2.99	< 20	Acceptable	
THCA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0709	0.0713	0.003	%	0.569	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



12423 NE Whitaker Way
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503-254-1794



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Laboratory Quality Control Results									
Residual Solvents					Batch ID:				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		579	572	µg/g	101.2	60 - 120	
Isobutane	ND	< 200		581	731	µg/g	79.5	60 - 120	
Butane	ND	< 200		543	731	µg/g	74.3	60 - 120	
2,2-Dimethylpropane	ND	< 200		973	936	µg/g	104.0	60 - 120	
Methanol	ND	< 200		1770	1620	µg/g	109.3	60 - 120	
Ethylene Oxide	ND	< 30		40	56.2	µg/g	71.2	60 - 120	
2-Methylbutane	ND	< 200		1850	1620	µg/g	114.2	60 - 120	
Pentane	ND	< 200		1890	1610	µg/g	117.4	60 - 120	
Ethanol	ND	< 200		2020	1630	µg/g	123.9	70 - 130	
Ethyl Ether	ND	< 200		1880	1620	µg/g	116.0	60 - 120	
2,2-Dimethylbutane	ND	< 30		140	174	µg/g	80.5	60 - 120	
Acetone	ND	< 200		1710	1650	µg/g	103.6	60 - 120	
2-Propanol	ND	< 200		1250	1610	µg/g	77.6	60 - 120	
Ethyl Formate	ND	< 500		1500	1600	µg/g	93.8	70 - 130	
Acetonitrile	ND	< 100		500	496	µg/g	100.4	60 - 120	
Methyl Acetate	ND	< 500		1620	1610	µg/g	100.6	70 - 130	
2,3-Dimethylbutane	ND	< 30		167	176	µg/g	94.9	60 - 120	
Dichloromethane	ND	< 60		538	510	µg/g	105.5	60 - 120	
2-Methylpentane	ND	< 30		185	176	µg/g	105.1	60 - 120	
MTBE	ND	< 500		1670	1600	µg/g	104.4	70 - 130	
3-Methylpentane	ND	< 30		210	175	µg/g	120.0	60 - 120	
Hexane	ND	< 30		195	177	µg/g	110.2	60 - 120	
1-Propanol	ND	< 500		1730	1610	µg/g	107.5	70 - 130	
Methylisobutylketone	ND	< 500		1690	1600	µg/g	105.6	70 - 130	
Ethyl acetate	ND	< 200		1930	1630	µg/g	118.4	60 - 120	
2-Butanol	ND	< 200		1610	1620	µg/g	99.4	60 - 120	
Tetrahydrofuran	ND	< 100		371	500	µg/g	74.2	60 - 120	
Cyclohexane	ND	< 200		1660	1620	µg/g	102.5	60 - 120	
2-methyl-1-propanol	ND	< 500		1490	1620	µg/g	92.0	70 - 130	
Benzene	ND	< 1		3.78	5.32	µg/g	71.1	60 - 120	
Isopropyl Acetate	ND	< 200		1890	1620	µg/g	116.7	60 - 120	
Heptane	ND	< 200		1900	1770	µg/g	107.3	60 - 120	
1-Butanol	ND	< 500		1480	1600	µg/g	92.5	70 - 130	
Propyl Acetate	ND	< 500		1630	1600	µg/g	101.9	70 - 130	
1,4-Dioxane	ND	< 100		566	504	µg/g	112.3	60 - 120	
2-Ethoxyethanol	ND	< 30		716	181	µg/g	119.3	60 - 120	
Methylisobutylketone	ND	< 500		1640	1610	µg/g	101.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1640	1610	µg/g	101.9	70 - 130	
Ethylene Glycol	ND	< 200		555	494	µg/g	112.3	60 - 120	
Toluene	ND	< 200		524	491	µg/g	106.7	60 - 120	
Isobutyl Acetate	ND	< 500		1560	1600	µg/g	97.5	70 - 130	
1-Pentanol	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
Butyl Acetate	ND	< 500		1540	1610	µg/g	95.7	70 - 130	
Ethylbenzene	ND	< 200		1040	973	µg/g	106.9	60 - 120	
m,p-Xylene	ND	< 200		971	996	µg/g	97.5	60 - 120	
o-Xylene	ND	< 200		1030	973	µg/g	105.9	60 - 120	
Cumene	ND	< 30		188	170	µg/g	110.6	60 - 120	
Anisole	ND	< 500		1570	1610	µg/g	97.5	70 - 130	
DMSO	ND	< 500		1430	1630	µg/g	87.7	70 - 130	
1,2-dimethoxyethane	ND	< 50		161	164	µg/g	98.2	70 - 130	
Triethylamine	ND	< 500		1430	1600	µg/g	89.4	70 - 130	
N,N-dimethylformamide	ND	< 150		447	497	µg/g	89.9	70 - 130	
N,N-dimethylacetamide	ND	< 150		452	498	µg/g	90.8	70 - 130	
Pyridine	ND	< 50		179	180	µg/g	99.4	70 - 130	
1,2-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0	70 - 130	
Chloroform	ND	< 1		0.891	1	µg/g	89.1	70 - 130	
Trichloroethylene	ND	< 1		0.805	1	µg/g	80.5	70 - 130	
Ethylene Oxide	ND	< 1		1.05	1	µg/g	105.0	70 - 130	
Dichloromethane	ND	< 1		0.791	1	µg/g	79.1	70 - 130	
Benzene	ND	< 1		0.845	1	µg/g	84.5	70 - 130	



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QC - Sample Duplicate		Sample ID: 22-003991-0001						
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	
2-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	
Methyldibutylketone	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	200	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	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Benzene	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
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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.