



### Terpenes

Sample ID: G310255-01

Matrix: Hemp Extracts & Concentrates

Test ID: 5023355

Source ID:

Date Sampled: 09/18/23

Date Accepted: 09/18/23

**Fern Valley Farms**  
fernvalleycbd@gmail.com

### Results at a Glance

Pesticides : PASS

Residual Solvent Analysis : PASS

Metals : PASS



**ISO 17025  
ACCREDITED  
LABORATORY**

Eric Wendt  
Chief Science Officer - 9/20/2023



### Terpenes

Sample ID: G310255-01

Matrix: Hemp Extracts & Concentrates

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Date Sampled: 09/18/23

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**Fern Valley Farms**  
fernvalleycbd@gmail.com

### Pesticide Analysis by LCMSMS and GCMSMS

Date/Time Extracted: 09/19/23 09:58

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.1	ppm		Acephate	< LOQ	0.4		0.1	ppm	
Acequinocyl	< LOQ	2		0.5	ppm		Acetamidrid	< LOQ	0.2		0.1	ppm	
Aldicarb	< LOQ	0.4		0.1	ppm		Azoxystrobin	< LOQ	0.2		0.1	ppm	
Bifenazate	< LOQ	0.2		0.1	ppm		Bifenthrin	< LOQ	0.2		0.1	ppm	
Boscalid	< LOQ	0.4		0.1	ppm		Carbaryl	< LOQ	0.2		0.1	ppm	
Carbofuran	< LOQ	0.2		0.1	ppm		Chlorantraniliprole	< LOQ	0.2		0.1	ppm	
Chlorfenapyr	< LOQ	1		0.1	ppm		Chlorpyrifos	< LOQ	0.2		0.1	ppm	
Clofentezine	< LOQ	0.2		0.1	ppm		Cyfluthrin	< LOQ	1		0.5	ppm	
Cypermethrin	< LOQ	1		0.5	ppm		Daminozide	< LOQ	1		0.5	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.1	ppm		Diazinon	< LOQ	0.2		0.1	ppm	
Dimethoate	< LOQ	0.2		0.1	ppm		Ethoprophos	< LOQ	0.2		0.1	ppm	
Etofenprox	< LOQ	0.4		0.1	ppm		Etoxazole	< LOQ	0.2		0.1	ppm	
Fenoxycarb	< LOQ	0.2		0.1	ppm		Fenpyroximate	< LOQ	0.4		0.1	ppm	
Fipronil	< LOQ	0.4		0.1	ppm		Fonicamid	< LOQ	1		0.1	ppm	
Fludioxonil	< LOQ	0.4		0.1	ppm		Hexythiazox	< LOQ	1		0.1	ppm	
Imazalil	< LOQ	0.2		0.1	ppm		Imidacloprid	< LOQ	0.4		0.1	ppm	
Kresoxim-methyl	< LOQ	0.4		0.1	ppm		Malathion	< LOQ	0.2		0.1	ppm	
Metalaxyl	< LOQ	0.2		0.1	ppm		Methiocarb	< LOQ	0.2		0.1	ppm	
Methomyl	< LOQ	0.4		0.1	ppm		Methyl parathion	< LOQ	0.2		0.1	ppm	
MGK-264	< LOQ	0.2		0.1	ppm		Myclobutanil	< LOQ	0.2		0.1	ppm	
Naled	< LOQ	0.5		0.1	ppm		Oxamyl	< LOQ	1		0.1	ppm	
Paclobutrazol	< LOQ	0.4		0.1	ppm		Permethrins	< LOQ	0.2		0.1	ppm	
Phosmet	< LOQ	0.2		0.1	ppm		Piperonyl butoxide	0.05	2		0.9	ppm	
Prallethrin	< LOQ	0.2		0.1	ppm		Propiconazole	< LOQ	0.4		0.1	ppm	
Propoxur	< LOQ	0.2		0.1	ppm		Pyrethrins	< LOQ	1		0.5	ppm	
Pyridaben	< LOQ	0.2		0.1	ppm		Spinosad	< LOQ	0.2		0.1	ppm	
Spiromesifen	< LOQ	0.2		0.1	ppm		Spirotetramat	< LOQ	0.2		0.1	ppm	
Spiroxamine	< LOQ	0.4		0.1	ppm		Tebuconazole	< LOQ	0.4		0.1	ppm	
Thiacloprid	< LOQ	0.2		0.1	ppm		Thiamethoxam	< LOQ	0.2		0.1	ppm	
Trifloxystrobin	< LOQ	0.2		0.1	ppm								

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



Eric Wendt  
Chief Science Officer - 9/20/2023



### Quality Control Solvent Analysis

Batch: 2339017 - 205

Blank(2339017-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Acetonitrile	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
Benzene	< LOQ	1.000	ppm		09/26/23 11:22	09/27/23 09:33	
Butanes	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
2-Butanol	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Cumene	< LOQ	35.00	ppm		09/26/23 11:22	09/27/23 09:33	
Cyclohexane	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
Dichloromethane	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
1,4-Dioxane	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
2-Ethoxyethanol	< LOQ	80.00	ppm		09/26/23 11:22	09/27/23 09:33	
Ethyl acetate	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Ethyl benzene	< LOQ	35.00	ppm		09/26/23 11:22	09/27/23 09:33	
Ethylene glycol	< LOQ	310.0	ppm		09/26/23 11:22	09/27/23 09:33	
Ethylene oxide	< LOQ	25.00	ppm		09/26/23 11:22	09/27/23 09:33	
Ethyl ether	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Heptane	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Hexanes	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
Isopropyl acetate	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Methanol	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Pentanes	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Propane	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
2-Propanol (IPA)	< LOQ	1000	ppm		09/26/23 11:22	09/27/23 09:33	
Tetrahydrofuran	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
Toluene	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	
Xylenes	< LOQ	50.00	ppm		09/26/23 11:22	09/27/23 09:33	

LCS(2339017-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	79.0	1000	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Acetonitrile	81.8	50.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Benzene	80.4	1.000	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Butanes	66.1	1000	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
2-Butanol	79.6	1000	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Cumene	77.2	35.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Cyclohexane	74.6	50.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Dichloromethane	78.9	50.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
1,4-Dioxane	82.6	50.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
2-Ethoxyethanol	84.6	80.00	ppm	60-120	09/26/23 11:22	09/26/23 18:46	
Ethyl acetate	80.1	1000	ppm	60-120	09/26/23 11:22	09/26/23 18:46	



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Test ID: 5023355  
Source ID:  
Date Sampled: 09/18/23      Date Accepted: 09/18/23

**Fern Valley Farms**  
fernvalleycbd@gmail.com

### Metals by ICPMS

Date/Time Extracted: 09/19/23 10:33

Analysis Method/SOP: Metals

Analyte	Result	Action Level	LOD	LOQ	Units
Arsenic	0.005	0.2	0.03	0.08	ug/g
Cadmium	0.0002	0.2	0.02	0.08	ug/g
Lead	0.0006	0.5	0.01	0.08	ug/g
Mercury	0.007	0.1	0.01	0.04	ug/g

<LOQ - Results below the Limit of Quantitation  
Results above the Action Level fail state testing requirements and will be highlighted **Red**.



Eric Wendt  
Chief Science Officer - 9/20/2023





### Quality Control Pesticide Analysis

Batch: 2338013 - 202

Blank(2338013-BLK1)								Notes
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed		
Abamectin	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Acephate	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Acequinocyl	< LOQ	0.5	ppm		09/19/23 09:58	09/19/23 16:39		
Acetamiprid	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Aldicarb	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Azoxystrobin	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Bifenazate	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Bifenthrin	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Boscalid	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Carbaryl	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Carbofuran	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Chlorantraniliprole	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Chlorfenapyr	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Chlorpyrifos	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Clofentezine	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Daminozide	< LOQ	0.5	ppm		09/19/23 09:58	09/19/23 16:39		
Cyfluthrin	< LOQ	0.5	ppm		09/19/23 09:58	09/19/23 17:17		
Diazinon	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Cypermethrin	< LOQ	0.5	ppm		09/19/23 09:58	09/19/23 17:17		
Dimethoate	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Ethoprophos	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Etofenprox	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Etoxazole	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Fenoxycarb	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Fenpyroximate	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Fonicamid	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Hexythiazox	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Imazalil	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Fipronil	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Imidacloprid	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Fludioxonil	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Metalaxyl	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Methiocarb	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Methomyl	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Myclobutanil	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Kresoxim-methyl	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		
Naled	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39		
Malathion	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17		



Eric Wendt  
Chief Science Officer - 9/20/2023



### Quality Control Pesticide Analysis (Continued)

Batch: 2338013 - 202 (Continued)

Blank(2338013-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Oxamyl	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Paclobutrazol	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Permethrins	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Methyl parathion	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17	
MGK-264	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17	
Phosmet	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Piperonyl butoxide	< LOQ	0.9	ppm		09/19/23 09:58	09/19/23 16:39	
Prallethrin	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Propoxur	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Pyrethrins	< LOQ	0.5	ppm		09/19/23 09:58	09/19/23 16:39	
Pyridaben	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Propiconazole	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 17:17	
Spinosad	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Spiromesifen	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Spirotetramat	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Spiroxamine	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Tebuconazole	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Thiacloprid	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Thiamethoxam	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
Trifloxystrobin	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		09/19/23 09:58	09/19/23 16:39	

LCS(2338013-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	182	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02	BSH
Acephate	114	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Acequinocyl	128	0.5	ppm	40-160	09/19/23 09:58	09/19/23 17:02	
Acetamiprid	115	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Aldicarb	103	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Azoxystrobin	113	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Bifenazate	121	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH
Bifenthrin	130	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02	
Boscalid	84.4	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39	
Carbaryl	113	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Carbofuran	104	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Chlorantraniliprole	124	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH
Chlorfenapyr	97.2	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39	
Chlorpyrifos	94.6	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39	
Clofentezine	112	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	



Eric Wendt  
Chief Science Officer - 9/20/2023



### Quality Control Pesticide Analysis (Continued)

Batch: 2338013 - 202 (Continued)

LCS(2338013-BS1)									
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes		
Daminozide	279	0.5	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH		
Cyfluthrin	54.5	0.5	ppm	50-150	09/19/23 09:58	09/19/23 17:39			
Diazinon	106	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Cypermethrin	51.6	0.5	ppm	50-150	09/19/23 09:58	09/19/23 17:39			
Dimethoate	110	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Ethoprophos	98.5	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Etofenprox	123	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02			
Etoxazole	109	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Fenoxycarb	110	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Fenpyroximate	115	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Fonicamid	143	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH		
Hexythiazox	63.1	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSL		
Imazalil	99.7	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Fipronil	78.8	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39			
Imidacloprid	153	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH		
Fludioxonil	79.0	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:39			
Metalaxyl	109	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Methiocarb	118	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Methomyl	109	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Myclobutanil	119	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Kresoxim-methyl	96.4	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39			
Naled	101	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02			
Malathion	86.9	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39			
Oxamyl	108	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Paclobutrazol	111	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Permethrins	159	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02	BSH		
Methyl parathion	63.1	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:39			
MGK-264	91.0	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:39			
Phosmet	119	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02			
Piperonyl butoxide	229	0.9	ppm	60-120	09/19/23 09:58	09/19/23 17:02	BSH		
Prallethrin	101	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Propoxur	105	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Pyrethrins	107	0.5	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Pyridaben	120	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02			
Propiconazole	87.3	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:39			
Spinosad	85.3	0.1	ppm	50-150	09/19/23 09:58	09/19/23 17:02			
Spiromesifen	89.7	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			
Spirotetramat	113	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02			



Eric Wendt  
Chief Science Officer - 9/20/2023



### Quality Control Pesticide Analysis (Continued)

Batch: 2338013 - 202 (Continued)

LCS(2338013-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiroxamine	86.2	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Tebuconazole	95.5	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Thiacloprid	112	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Thiamethoxam	118	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
Trifloxystrobin	113	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	
DDVP (Dichlorvos)	104	0.1	ppm	60-120	09/19/23 09:58	09/19/23 17:02	

### Solvent Analysis

Batch: 2338027 - 205

Blank(2338027-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Acetonitrile	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
Benzene	< LOQ	1.000	ppm		09/19/23 13:43	09/20/23 09:26	
Butanes	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
2-Butanol	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Cumene	< LOQ	35.00	ppm		09/19/23 13:43	09/20/23 09:26	
Cyclohexane	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
Dichloromethane	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
1,4-Dioxane	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
2-Ethoxyethanol	< LOQ	80.00	ppm		09/19/23 13:43	09/20/23 09:26	
Ethyl acetate	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Ethyl benzene	< LOQ	35.00	ppm		09/19/23 13:43	09/20/23 09:26	
Ethylene glycol	< LOQ	310.0	ppm		09/19/23 13:43	09/20/23 09:26	
Ethylene oxide	< LOQ	25.00	ppm		09/19/23 13:43	09/20/23 09:26	
Ethyl ether	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Heptane	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Hexanes	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
Isopropyl acetate	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Methanol	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Pentanes	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Propane	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
2-Propanol (IPA)	< LOQ	1000	ppm		09/19/23 13:43	09/20/23 09:26	
Tetrahydrofuran	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
Toluene	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	
Xylenes	< LOQ	50.00	ppm		09/19/23 13:43	09/20/23 09:26	

LCS(2338027-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes



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Chief Science Officer - 9/20/2023

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### Quality Control Solvent Analysis (Continued)

Batch: 2338027 - 205 (Continued)

LCS(2338027-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	92.4	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Acetonitrile	92.8	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Benzene	60.9	1.000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	BSL
Butanes	79.7	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
2-Butanol	96.0	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Cumene	93.4	35.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Cyclohexane	95.8	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Dichloromethane	93.6	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
1,4-Dioxane	98.2	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
2-Ethoxyethanol	100	80.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Ethyl acetate	93.6	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Ethyl benzene	102	35.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Ethylene glycol	125	310.0	ppm	60-120	09/19/23 13:43	09/19/23 18:09	BSH
Ethylene oxide	88.0	25.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Ethyl ether	90.2	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Heptane	92.5	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Hexanes	90.3	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Isopropyl acetate	96.4	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Methanol	88.5	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Pentanes	85.7	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Propane	66.9	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
2-Propanol (IPA)	93.9	1000	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Tetrahydrofuran	95.6	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	
Toluene	99.4	50.00	ppm	60-120	09/19/23 13:43	09/19/23 18:09	

### Metals

Batch: 2338015 - 217

Blank(2338015-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.08	ug/g		09/19/23 10:33	09/20/23 15:59	
Lead	0.001	0.08	ug/g		09/19/23 10:33	09/20/23 15:59	
Arsenic	0.005	0.08	ug/g		09/19/23 10:33	09/20/23 15:59	
Mercury	0.0005	0.04	ug/g		09/19/23 10:33	09/20/23 15:59	

LCS(2338015-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	98.9	0.08	ug/g	80-115	09/19/23 10:33	09/20/23 16:00	
Lead	102	0.08	ug/g	80-115	09/19/23 10:33	09/20/23 16:00	
Arsenic	95.6	0.08	ug/g	80-115	09/19/23 10:33	09/20/23 16:00	



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### Quality Control Metals (Continued)

Batch: 2338015 - 217 (Continued)

LCS(2338015-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Mercury	99.1	0.04	ug/g	80-115	09/19/23 10:33	09/20/23 16:00	



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