



Quandary Consultants

Brandon VanHorn

2252 Emerson St.

Denver CO 80205

May 06, 2025

Project Name - KMG - Paragon Farms 42-25 Facility

Project Number - [none]

Attached are your analytical results for KMG - Paragon Farms 42-25 Facility received by Origins Laboratory April 18, 2025. This project is associated with Origins project number E5D0540-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-B01@3'	E5D0540-01	Soil	April 18, 2025 12:30	04/18/2025 14:24
SEP-B02@3'	E5D0540-02	Soil	April 18, 2025 12:31	04/18/2025 14:24
AST-B01@3"	E5D0540-03	Soil	April 18, 2025 12:33	04/18/2025 14:24
PW-B01@4'	E5D0540-04	Soil	April 18, 2025 12:36	04/18/2025 14:24
PW-S01@2'	E5D0540-05	Soil	April 18, 2025 12:39	04/18/2025 14:24
PW-BG01@3"	E5D0540-06	Soil	April 18, 2025 11:45	04/18/2025 14:24
PW-BG01@3'	E5D0540-07	Soil	April 18, 2025 11:46	04/18/2025 14:24
PW-BG01@6'	E5D0540-08	Soil	April 18, 2025 11:48	04/18/2025 14:24
PW-BG02@3"	E5D0540-09	Soil	April 18, 2025 11:50	04/18/2025 14:24
PW-BG02@3'	E5D0540-10	Soil	April 18, 2025 11:51	04/18/2025 14:24
PW-BG02@6'	E5D0540-11	Soil	April 18, 2025 11:52	04/18/2025 14:24
PW-BG03@3"	E5D0540-12	Soil	April 18, 2025 11:55	04/18/2025 14:24
PW-BG03@3'	E5D0540-13	Soil	April 18, 2025 11:56	04/18/2025 14:24
PW-BG03@6'	E5D0540-14	Soil	April 18, 2025 11:57	04/18/2025 14:24

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-BG04@3"	E5D0540-15	Soil	April 18, 2025 11:59	04/18/2025 14:24

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ORIGINS LABORATORY

Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility



Page 1 of 2

Client: Kent-Nice Oil and Gas Ordine LP
Address: 501 North Division Street
Platteville, CO 80661
Telephone Number: 786-89-7188
Email Address: samples@quandaryconsultants.com
brvanhorn@quandaryconsultants.com

Project Manager: BRANDON VANHORN
Project Name: Paragon Farms 42-25 Facility
Project Number:
Collected By: WILLIAM VANHORN
Invoice Billing Info: GRILL MUELLER
Key: W - Water
OW - Groundwater
SW - Surface Water
WW - Waste Water
L - Liquid

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
					Full Table 915 47.5 0.2		
SEP-B0103	4-8-25	230	5	N/A	X		
SEP-B0203	4-8-25	231	5	N/A	X		
AST-B0103	4-8-25	233	5	N/A	X		
PW-B0104	4-8-25	236	5	N/A	X		
PW-S0102	4-8-25	239	5	N/A	X		
PW-B0103	4-8-25	145	5	N/A	X		
PW-B0103	4-8-25	146	5	N/A	X		
PW-B0106	4-8-25	148	5	N/A	X		
PW-B0203	4-8-25	150	5	N/A	X		
PW-B0103	4-8-25	151	5	N/A	X		

Temp Received - 4.9°C Received On Ice? Yes No
 Standard 48 Hr 72

Relinquished By: WILLIAMS
Date: 04-18-2025
Time: 11:24
Received By: SWM
Date: 04-18-25
Time: 11:24
Turnaround Time: SAME DAY 24 Hr

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ORIGINS LABORATORY

Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility



CDWSW

Page 2 of 2

Client: Ver-McGee Oil and Gas Drivestry LP
Address: 501 North Division Street
Platteville, CO 80851
Telephone Number: 781-607-7188
Email Address: seamus@quandaryconsultants.com
Project Manager: BRYAN DYN VAN HORN
Project Name: Paragon Farms 42-25 Facility
Project Number:
Temp Received: 4.9°C Received On Ice? Yes No
Invoiced/Billing Info: WILLIAM JARVIS
GAIL MUEGLIN
L-Liquid
Hill Table 915
4, 5
202506

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis		Comments
					Oil Table	4, 5	
PW-B60206	4/8/25	1152	2	S	N/A	X	
PW-B60303	4/8/25	155	2	S	N/A	X	
PW-B60503	4/8/25	156	2	S	N/A	X	
PW-B60506	4/8/25	1157	2	S	N/A	X	
PW-B60403	4/8/25	1159	2	S	N/A	X	

Reinforced By: William Jarvis
Date: 04/18/2025
Time: 14:24
Received By: SWW
Date: 04/18/25
Time: 14:24

Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 72
 Standard

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ORIGINS LABORATORY

Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: E5D0S00

Client: Quandary Consultants

Client Project ID: Paragon Farms 42-25

Checklist Completed by: SEM / NKM

Shipped Via: TD Facility

Date/time completed: 01/18/25

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1, 199 °C

(Describe)

Thermometer ID: T-001

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analytes in order to insure sample integrity)/(pH ~2 for samples preserved with HNO3, HCl, H2SO4) / (pH ~10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to be taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) AT

Date/Time Reviewed 4/21/25

Origins Laboratory

EHO

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B01@3'
4/18/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.181		0.0999	mg/L	1	B5D2103	04/21/2025	04/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	62.1		25.0	mg/kg	1	B5D2120	04/21/2025	04/21/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
<i>Surrogate: o-Terphenyl</i>									
	78.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2123	04/21/2025	04/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>									
	104 %			70-130		"	"	"	
<i>Surrogate: Toluene-d8</i>									
	98.0 %			70-130		"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>									
	105 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B01@3'
 4/18/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-01 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	1.05		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
PAH by EPA 8270E extracted via 3580A									
1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2132	04/21/2025	04/25/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	0.051		0.020	"	"	"	"	"	
Anthracene	0.522		0.020	"	"	"	"	"	
Benzo (a) anthracene	4.61		0.050	"	10	"	"	04/27/2025	
Benzo (a) pyrene	2.76		0.200	"	"	"	"	"	
Benzo (b) fluoranthene	2.63		0.200	"	"	"	"	"	
Benzo (k) fluoranthene	1.13		0.200	"	"	"	"	"	
Chrysene	4.06		0.200	"	"	"	"	"	
Dibenz (a,h) anthracene	0.282		0.020	"	1	"	"	04/25/2025	
Fluoranthene	7.81		0.200	"	10	"	"	04/27/2025	
Fluorene	0.039		0.020	"	1	"	"	04/25/2025	
Indeno (1,2,3-cd) pyrene	1.11		0.200	"	10	"	"	04/27/2025	
Naphthalene	0.002		0.002	"	1	"	"	04/25/2025	
Pyrene	7.41		0.200	"	10	"	"	04/27/2025	
Surrogate: Fluorene-d10	101 %				60-130	"	"	04/25/2025	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B01@3'
4/18/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Surrogate: Anthracene-d10	98.6 %			60-130		B5D2132	04/21/2025	04/25/2025	
Surrogate: Pyrene-d10	95.1 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.5 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.202		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.180		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.99		0.245	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	88.8		8.45	"	"	"	"	"	
Cadmium	0.202		0.0845	"	"	"	"	"	
Copper	ND		8.45	"	"	"	"	"	
Lead	7.64		0.845	"	"	"	"	"	
Nickel	7.22		0.845	"	"	"	"	"	
Selenium	ND		0.220	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

SEP-B01@3'
4/18/2025 12:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0845	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Zinc	ND		31.3	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B02@3'

4/18/2025 12:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.317		0.0993	mg/L	1	B5D2103	04/21/2025	04/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2120	04/21/2025	04/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	72.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2123	04/21/2025	04/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B02@3'
4/18/2025 12:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.927		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.50		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2132	04/21/2025	04/29/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B02@3'
4/18/2025 12:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5D2132	04/21/2025	04/29/2025	U
Surrogate: Fluorene-d10	97.7 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.1 %			60-130		"	"	"	
Surrogate: Pyrene-d10	107 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.41			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.83		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.303		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.59		0.263	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	99.2		9.07	"	"	"	"	"	
Cadmium	0.157		0.0907	"	"	"	"	"	
Copper	ND		9.07	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

SEP-B02@3'

4/18/2025 12:31:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-02 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	8.17		0.907	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	8.82		0.907	"	"	"	"	"	
Selenium	ND		0.236	"	"	"	"	"	
Silver	ND		0.0907	"	"	"	"	"	
Zinc	35.8		33.6	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.505	0.505	mg/Kg	1	A102166	04/18/2025	04/25/2025	J
----------------------	----	-------	-------	-------	---	---------	------------	------------	---

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

AST-B01@3"
4/18/2025 12:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.442		0.0993	mg/L	1	B5D2103	04/21/2025	04/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2120	04/21/2025	04/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	76.7 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2123	04/21/2025	04/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	97.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

AST-B01@3"
4/18/2025 12:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-03 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	16.6	0.499	meq/L	10	[CALC]		04/23/2025	04/26/2025	
Magnesium	4.26	0.823	"	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D2132		04/21/2025	04/25/2025	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	"	U
Fluorene	ND	0.020	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	"	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

AST-B01@3"
4/18/2025 12:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5D2132	04/21/2025	04/25/2025	U
Surrogate: Fluorene-d10	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	98.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

pH in Soil by 9045D

pH	7.83			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.0712		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	--------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.28		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.08		0.260	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	62.2		8.96	"	"	"	"	"	
Cadmium	0.116		0.0896	"	"	"	"	"	
Copper	ND		8.96	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

AST-B01@3"
4/18/2025 12:33:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	6.28		0.896	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	6.33		0.896	"	"	"	"	"	"
Selenium	ND		0.233	"	"	"	"	"	"
Silver	ND		0.0896	"	"	"	"	"	"
Zinc	ND		33.2	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-B01@4'

4/18/2025 12:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-04 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.108		0.100	mg/L	1	B5D2103	04/21/2025	04/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	25.1		25.0	mg/kg	1	B5D2120	04/21/2025	04/21/2025	
Residual Range Organics (C28-C40) 134			100	"	"	"	"	"	
Surrogate: o-Terphenyl	78.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2123	04/21/2025	04/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.7 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-B01@4'

4/18/2025 12:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-04 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.15	0.499	meq/L	10	[CALC]		04/23/2025	04/26/2025	
Magnesium	ND	0.823	"	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND	0.002	mg/kg	1	B5D2132		04/21/2025	04/25/2025	U
2-Methylnaphthalene	0.002	0.002	"	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	"	U
Fluorene	ND	0.020	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	"	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-B01@4'

4/18/2025 12:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5D2132	04/21/2025	04/25/2025	U
Surrogate: Fluorene-d10	99.9 %			60-130		"	"	"	
Surrogate: Anthracene-d10	100 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.24			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.262		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.190		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.99		0.278	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	32.5		9.60	"	"	"	"	"	
Cadmium	ND		0.0960	"	"	"	"	"	
Copper	ND		9.60	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-B01@4'

4/18/2025 12:36:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-04 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	4.68		0.960	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	4.70		0.960	"	"	"	"	"	
Selenium	ND		0.250	"	"	"	"	"	
Silver	ND		0.0960	"	"	"	"	"	
Zinc	ND		35.5	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-S01@2'

4/18/2025 12:39:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-05 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.222		0.0998	mg/L	1	B5D2103	04/21/2025	04/22/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5D2120	04/21/2025	04/21/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	78.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5D2123	04/21/2025	04/22/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-S01@2'
4/18/2025 12:39:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-05 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.28		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5D2132	04/21/2025	04/25/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-S01@2'

4/18/2025 12:39:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-05 (Soil)
 Origins Laboratory**

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5D2132	04/21/2025	04/25/2025	U
Surrogate: Fluorene-d10	101 %			60-130		"	"	"	
Surrogate: Anthracene-d10	99.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	101 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.207		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.205		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.80		0.244	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	105		8.41	"	"	"	"	"	
Cadmium	0.169		0.0841	"	"	"	"	"	
Copper	8.63		8.41	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-S01@2'
4/18/2025 12:39:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	9.58		0.841	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	9.12		0.841	"	"	"	"	"	"
Selenium	ND		0.219	"	"	"	"	"	"
Silver	ND		0.0841	"	"	"	"	"	"
Zinc	36.1		31.1	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@3"
4/18/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-06 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	1.44		0.0999	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	4.16		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	2.08		0.823	"	"	"	"	"	
Sodium	1.33		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.756		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.838		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	4.61		0.285	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	115		9.84	"	"	"	"	"	
Cadmium	0.264		0.0984	"	"	"	"	"	
Copper	12.2		9.84	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@3"

4/18/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-06 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	10.4		0.984	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	10.2		0.984	"	"	"	"	"	
Selenium	ND		0.256	"	"	"	"	"	
Silver	ND		0.0984	"	"	"	"	"	
Zinc	47.2		36.4	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@3'

4/18/2025 11:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-07 (Soil)
 Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	0.297		0.0997	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	4.91		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	2.85		0.823	"	"	"	"	"	
Sodium	10.8		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.19			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	5.48		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.91		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.15		0.271	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	62.2		9.35	"	"	"	"	"	
Cadmium	ND		0.0935	"	"	"	"	"	
Copper	ND		9.35	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@3'

4/18/2025 11:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-07 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	6.48		0.935	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	4.66		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	ND		34.6	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@6'

4/18/2025 11:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-08 (Soil)

Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.257		0.0995	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	4.63		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	2.18		0.823	"	"	"	"	"	
Sodium	9.84		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.32			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	5.34		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.68		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.09		0.260	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	71.2		8.97	"	"	"	"	"	
Cadmium	0.200		0.0897	"	"	"	"	"	
Copper	ND		8.97	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG01@6'

4/18/2025 11:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-08 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Lead	8.88		0.897	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	6.05		0.897	"	"	"	"	"	
Selenium	ND		0.233	"	"	"	"	"	
Silver	ND		0.0897	"	"	"	"	"	
Zinc	ND		33.2	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	2.16	0.516	0.516	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	------	-------	-------	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@3"
4/18/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-09 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	2.01		0.0996	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	29.1		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	11.7		0.823	"	"	"	"	"	
Sodium	16.3		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.61		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.31		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.98		0.276	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	113		9.51	"	"	"	"	"	
Cadmium	0.205		0.0951	"	"	"	"	"	
Copper	11.3		9.51	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@3"
4/18/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	10.1		0.951	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	8.93		0.951	"	"	"	"	"	"
Selenium	ND		0.247	"	"	"	"	"	"
Silver	ND		0.0951	"	"	"	"	"	"
Zinc	38.9		35.2	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@3'

4/18/2025 11:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-10 (Soil)
 Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	0.335		0.0997	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	13.2		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	5.32		0.823	"	"	"	"	"	
Sodium	14.3		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.21			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	4.69		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.88		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.63		0.264	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	72.2		9.11	"	"	"	"	"	
Cadmium	0.146		0.0911	"	"	"	"	"	
Copper	ND		9.11	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@3'

4/18/2025 11:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-10 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	7.41		0.911	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	6.13		0.911	"	"	"	"	"	
Selenium	ND		0.237	"	"	"	"	"	
Silver	ND		0.0911	"	"	"	"	"	
Zinc	ND		33.7	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@6'

4/18/2025 11:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-11 (Soil)
 Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	0.378		0.0994	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	4.88		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	2.40		0.823	"	"	"	"	"	
Sodium	12.6		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.40			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	6.60		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.01		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	5.00		0.288	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	122		9.92	"	"	"	"	"	
Cadmium	0.184		0.0992	"	"	"	"	"	
Copper	9.99		9.92	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG02@6'

4/18/2025 11:52:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-11 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	8.13		0.992	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	11.2		0.992	"	"	"	"	"	
Selenium	ND		0.258	"	"	"	"	"	
Silver	ND		0.0992	"	"	"	"	"	
Zinc	39.6		36.7	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@3"
4/18/2025 11:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-12 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.197		0.0997	mg/L	1	B5D2103	04/21/2025	04/22/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.11		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.741		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.33			pH Units	1	B5D2322	04/23/2025	04/25/2025	
SAR by 20B Saturated Paste									
SAR	0.827		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.263		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.62		0.263	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	65.3		9.05	"	"	"	"	"	
Cadmium	0.121		0.0905	"	"	"	"	"	
Copper	ND		9.05	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@3"

4/18/2025 11:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-12 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	7.32		0.905	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	5.92		0.905	"	"	"	"	"	"
Selenium	ND		0.235	"	"	"	"	"	"
Silver	ND		0.0905	"	"	"	"	"	"
Zinc	ND		33.5	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102166	04/18/2025	04/25/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@3'

4/18/2025 11:56:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

**E5D0540-13 (Soil)
 Origins Laboratory**

Boron (DTPA Sorbitol)

Boron	0.458		0.100	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	-------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	1.45		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.81		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.42			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.83		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.396		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	4.71		0.277	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	128		9.55	"	"	"	"	"	
Cadmium	0.143		0.0955	"	"	"	"	"	
Copper	13.9		9.55	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@3'

4/18/2025 11:56:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-13 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	8.30		0.955	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	11.9		0.955	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	
Silver	ND		0.0955	"	"	"	"	"	
Zinc	42.1		35.3	"	"	"	"	"	

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.515	0.515	mg/Kg	1	A102167	04/18/2025	04/28/2025	J
----------------------	----	-------	-------	-------	---	---------	------------	------------	---

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@6'

4/18/2025 11:57:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5D0540-14 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.455		0.100	mg/L	1	B5D2103	04/21/2025	04/22/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	0.520		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.744		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.72			pH Units	1	B5D2322	04/23/2025	04/25/2025	
SAR by 20B Saturated Paste									
SAR	1.22		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.195		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.74		0.287	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	108		9.88	"	"	"	"	"	
Cadmium	0.150		0.0988	"	"	"	"	"	
Copper	ND		9.88	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG03@6'

4/18/2025 11:57:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-14 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	8.19		0.988	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	10.3		0.988	"	"	"	"	"	"
Selenium	ND		0.257	"	"	"	"	"	"
Silver	ND		0.0988	"	"	"	"	"	"
Zinc	42.9		36.6	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102167	04/18/2025	04/28/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG04@3"
4/18/2025 11:59:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-15 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.792		0.0996	mg/L	1	B5D2103	04/21/2025	04/22/2025	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	1.10		0.499	meq/L	10	[CALC]	04/23/2025	04/26/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.592		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B5D2322	04/23/2025	04/25/2025	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.635		0.0100	SAR	1	B5D2311	04/23/2025	04/26/2025	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.252		0.00500	mmhos/cm	1	B5D2322	04/23/2025	04/25/2025	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	3.29		0.255	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Barium	96.3		8.79	"	"	"	"	"	
Cadmium	0.251		0.0879	"	"	"	"	"	
Copper	16.2		8.79	"	"	"	"	"	

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

PW-BG04@3"

4/18/2025 11:59:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-----------------	-------	----------	-------	----------	----------	-------

E5D0540-15 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	11.0		0.879	mg/kg	10	B5D1847	04/18/2025	04/21/2025	
Nickel	8.58		0.879	"	"	"	"	"	"
Selenium	0.236		0.229	"	"	"	"	"	"
Silver	0.0984		0.0879	"	"	"	"	"	"
Zinc	47.1		32.5	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102167	04/18/2025	04/28/2025	
----------------------	----	-----	-----	-------	---	---------	------------	------------	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2103 - DTPA Sorbitol Preparation

Blank (B5D2103-BLK1)

Prepared: 04/21/2025 Analyzed: 04/22/2025

Boron ND 0.100 mg/L

Duplicate (B5D2103-DUP1)

Source: E5D0540-01

Prepared: 04/21/2025 Analyzed: 04/22/2025

Boron 0.181 0.0996 mg/L 0.181 0.409 50

Batch B5D2311 - Saturated Paste Metals

Blank (B5D2311-BLK1)

Prepared: 04/23/2025 Analyzed: 04/26/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B5D2311-DUP1)

Source: E5D0534-07

Prepared: 04/23/2025 Analyzed: 04/26/2025

Calcium PPM 128 10.0 mg/L 88.6 36.3 50

SAR ND 0.0100 SAR 6.45 200

Magnesium PPM 95.0 10.0 mg/L 71.3 28.6 50

Sodium PPM 369 10.0 " 336 9.32 50

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2132 - EPA 3580

Blank (B5D2132-BLK1)

Prepared: 04/21/2025 Analyzed: 04/25/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B5D2132-BS1)

Prepared: 04/21/2025 Analyzed: 04/25/2025

1-Methylnaphthalene	0.212	0.002	mg/kg	0.200		106	70-130			
2-Methylnaphthalene	0.213	0.002	"	0.200		106	70-130			
Acenaphthene	0.204	0.020	"	0.200		102	70-130			
Anthracene	0.210	0.020	"	0.200		105	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2132 - EPA 3580

LCS (B5D2132-BS1)

Prepared: 04/21/2025 Analyzed: 04/25/2025

Benzo (a) anthracene	0.220	0.005	mg/kg	0.200		110	70-130			
Benzo (a) pyrene	0.215	0.020	"	0.200		108	70-130			
Benzo (b) fluoranthene	0.211	0.020	"	0.200		105	70-130			
Benzo (g,h,i) perylene	0.218	0.020	"	0.200		109	70-130			
Benzo (k) fluoranthene	0.212	0.020	"	0.200		106	70-130			
Chrysene	0.218	0.020	"	0.200		109	70-130			
Dibenz (a,h) anthracene	0.213	0.020	"	0.200		106	70-130			
Fluoranthene	0.217	0.020	"	0.200		108	70-130			
Fluorene	0.209	0.020	"	0.200		104	70-130			
Indeno (1,2,3-cd) pyrene	0.216	0.020	"	0.200		108	70-130			
Naphthalene	0.210	0.002	"	0.200		105	70-130			
Phenanthrene	0.215	0.020	"	0.200		107	70-130			
Pyrene	0.216	0.020	"	0.200		108	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		99.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.6	60-130			

Matrix Spike (B5D2132-MS1)

Source: E5D0540-01

Prepared: 04/21/2025 Analyzed: 04/25/2025

1-Methylnaphthalene	0.212	0.002	mg/kg	0.200	0.001	106	70-130			
2-Methylnaphthalene	0.212	0.002	"	0.200	0.002	105	70-130			
Acenaphthene	0.276	0.020	"	0.200	0.051	112	70-130			
Anthracene	0.408	0.020	"	0.200	0.522	NR	70-130			QM-07
Benzo (a) anthracene	0.782	0.005	"	0.200	4.61	NR	70-130			QM-07
Benzo (a) pyrene	0.633	0.020	"	0.200	2.76	NR	70-130			QM-07
Benzo (b) fluoranthene	0.562	0.020	"	0.200	2.63	NR	70-130			QM-07
Benzo (g,h,i) perylene	0.431	0.020	"	0.200	1.06	NR	70-130			QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2132 - EPA 3580

Matrix Spike (B5D2132-MS1)		Source: E5D0540-01		Prepared: 04/21/2025 Analyzed: 04/25/2025						
Benzo (k) fluoranthene	0.360	0.020	mg/kg	0.200	1.13	NR	70-130			QM-07
Chrysene	0.802	0.020	"	0.200	4.06	NR	70-130			QM-07
Dibenz (a,h) anthracene	0.281	0.020	"	0.200	0.282	NR	70-130			QM-07
Fluoranthene	1.96	0.020	"	0.200	7.81	NR	70-130			QM-07
Fluorene	0.272	0.020	"	0.200	0.039	117	70-130			
Indeno (1,2,3-cd) pyrene	0.437	0.020	"	0.200	1.11	NR	70-130			QM-07
Naphthalene	0.224	0.002	"	0.200	0.002	111	70-130			
Phenanthrene	1.24	0.020	"	0.200	1.30	NR	70-130			QM-07
Pyrene	1.70	0.020	"	0.200	7.41	NR	70-130			QM-07
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	200		"	200		98.8	60-130			
Surrogate: Pyrene-d10	190		"	200		97.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.9	60-130			

Matrix Spike Dup (B5D2132-MSD1)		Source: E5D0540-01		Prepared: 04/21/2025 Analyzed: 04/25/2025						
1-Methylnaphthalene	0.203	0.002	mg/kg	0.200	0.001	101	70-130	4.61	20	
2-Methylnaphthalene	0.204	0.002	"	0.200	0.002	101	70-130	3.77	20	
Acenaphthene	0.203	0.020	"	0.200	0.051	76.0	70-130	30.4	20	QR-DUP
Anthracene	0.215	0.020	"	0.200	0.522	NR	70-130	62.1	20	QM-07, QR-DUP
Benzo (a) anthracene	0.288	0.005	"	0.200	4.61	NR	70-130	92.4	20	QM-07, QR-DUP
Benzo (a) pyrene	0.265	0.020	"	0.200	2.76	NR	70-130	82.0	20	QM-07, QR-DUP
Benzo (b) fluoranthene	0.261	0.020	"	0.200	2.63	NR	70-130	73.3	20	QM-07, QR-DUP
Benzo (g,h,i) perylene	0.234	0.020	"	0.200	1.06	NR	70-130	59.2	20	QM-07, QR-DUP
Benzo (k) fluoranthene	0.224	0.020	"	0.200	1.13	NR	70-130	46.4	20	QM-07, QR-DUP

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2132 - EPA 3580

Matrix Spike Dup (B5D2132-MSD1)

Source: E5D0540-01

Prepared: 04/21/2025 Analyzed: 04/25/2025

Chrysene	0.281	0.020	mg/kg	0.200	4.06	NR	70-130	96.1	20	QM-07, QR-DUP
Dibenz (a,h) anthracene	0.216	0.020	"	0.200	0.282	NR	70-130	26.4	20	QM-07, QR-DUP
Fluoranthene	0.339	0.020	"	0.200	7.81	NR	70-130	141	20	QM-07, QR-DUP
Fluorene	0.206	0.020	"	0.200	0.039	83.2	70-130	27.8	20	QR-DUP
Indeno (1,2,3-cd) pyrene	0.269	0.020	"	0.200	1.11	NR	70-130	47.6	20	QM-07, QR-DUP
Naphthalene	0.201	0.002	"	0.200	0.002	99.4	70-130	10.8	20	
Phenanthrene	0.227	0.020	"	0.200	1.30	NR	70-130	138	20	QM-07, QR-DUP
Pyrene	0.330	0.020	"	0.200	7.41	NR	70-130	135	20	QM-07, QR-DUP
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2120 - EPA 3550B

Blank (B5D2120-BLK1)

Prepared: 04/21/2025 Analyzed: 04/21/2025

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

LCS (B5D2120-BS1)

Prepared: 04/21/2025 Analyzed: 04/21/2025

Diesel (C10-C28)	938	50.0	mg/kg	1000		93.8	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

Matrix Spike (B5D2120-MS1)

Source: E5D0540-01

Prepared: 04/21/2025 Analyzed: 04/21/2025

Diesel (C10-C28)	942	50.0	mg/kg	1000	62.1	88.0	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	78.7	94.1	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

Matrix Spike Dup (B5D2120-MSD1)

Source: E5D0540-01

Prepared: 04/21/2025 Analyzed: 04/21/2025

Diesel (C10-C28)	992	50.0	mg/kg	1000	62.1	93.0	70-130	5.18	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	78.7	99.0	70-130	4.73	35	
Surrogate: o-Terphenyl	56		"	49.8		112	50-150			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D1847 - EPA 3050B

Blank (B5D1847-BLK1)

Prepared: 04/18/2025 Analyzed: 04/21/2025

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B5D1847-BS1)

Prepared: 04/18/2025 Analyzed: 04/21/2025

Arsenic	5.54	0.290	mg/kg	5.00		111	80-120			
Barium	504	10.0	"	500		101	80-120			
Cadmium	5.34	0.100	"	5.00		107	80-120			
Copper	51.5	10.0	"	50.0		103	80-120			
Lead	4.89	1.00	"	5.00		97.9	80-120			
Nickel	4.84	1.00	"	5.00		96.7	80-120			
Selenium	4.98	0.260	"	5.00		99.5	80-120			
Silver	5.16	0.100	"	5.00		103	80-120			
Zinc	47.0	37.0	"	50.0		94.1	80-120			

Matrix Spike (B5D1847-MS1)

Source: E5D0541-01

Prepared: 04/18/2025 Analyzed: 04/21/2025

Arsenic	10.4	0.250	mg/kg	4.32	7.40	70.5	75-125			QM-07
Barium	597	8.63	"	432	191	94.1	75-125			
Cadmium	4.77	0.0863	"	4.32	0.218	106	75-125			
Copper	58.8	8.63	"	43.2	17.6	95.4	75-125			
Lead	13.7	0.863	"	4.32	12.4	31.5	75-125			QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D1847 - EPA 3050B

Matrix Spike (B5D1847-MS1)

Source: E5D0541-01

Prepared: 04/18/2025 Analyzed: 04/21/2025

Nickel	18.6	0.863	mg/kg	4.32	18.7	NR	75-125			QM-07
Selenium	4.28	0.224	"	4.32	0.221	94.0	75-125			
Silver	4.48	0.0863	"	4.32	0.0758	102	75-125			
Zinc	89.6	31.9	"	43.2	60.8	66.8	75-125			QM-07

Matrix Spike Dup (B5D1847-MSD1)

Source: E5D0541-01

Prepared: 04/18/2025 Analyzed: 04/21/2025

Arsenic	10.8	0.263	mg/kg	4.53	7.40	75.5	75-125	3.57	20	
Barium	612	9.06	"	453	191	92.9	75-125	2.47	20	
Cadmium	4.98	0.0906	"	4.53	0.218	105	75-125	4.32	20	
Copper	62.6	9.06	"	45.3	17.6	99.4	75-125	6.36	20	
Lead	14.2	0.906	"	4.53	12.4	40.2	75-125	3.30	20	QM-07
Nickel	19.0	0.906	"	4.53	18.7	8.16	75-125	2.40	20	QM-07
Selenium	4.54	0.236	"	4.53	0.221	95.4	75-125	6.10	20	
Silver	4.70	0.0906	"	4.53	0.0758	102	75-125	4.71	20	
Zinc	91.7	33.5	"	45.3	60.8	68.3	75-125	2.36	20	QM-07

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2322 - Saturated Paste pH/EC

Blank (B5D2322-BLK1)

Prepared: 04/23/2025 Analyzed: 04/25/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D2322-DUP1)

Source: E5D0534-07

Prepared: 04/23/2025 Analyzed: 04/25/2025

Specific Conductance (EC)	2.60	0.00500	mmhos/cm	2.32	11.5	25
pH	8.33		pH Units	8.34	0.120	25

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2123 - EPA 5030 (soil)

Blank (B5D2123-BLK1)

Prepared: 04/21/2025 Analyzed: 04/21/2025

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	89.6	70-130
Surrogate: Toluene-d8	0.12		"	0.125	97.4	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	106	70-130

LCS (B5D2123-BS1)

Prepared: 04/21/2025 Analyzed: 04/21/2025

1,2,4-Trimethylbenzene	0.0943	0.00200	mg/kg	0.100	94.3	70-130
1,3,5-Trimethylbenzene	0.0912	0.00200	"	0.100	91.2	70-130
Benzene	0.0893	0.00200	"	0.100	89.3	70-130
Ethylbenzene	0.0912	0.00200	"	0.100	91.2	70-130
Toluene	0.0839	0.00200	"	0.100	83.9	70-130
o-Xylene	0.0928	0.00200	"	0.100	92.8	70-130
m,p-Xylene	0.184	0.00400	"	0.200	92.2	70-130
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	91.1	70-130
Surrogate: Toluene-d8	0.12		"	0.125	97.1	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100	70-130

Matrix Spike (B5D2123-MS1)

Source: E5D0533-05

Prepared: 04/21/2025 Analyzed: 04/21/2025

1,2,4-Trimethylbenzene	0.0789	0.00200	mg/kg	0.100	ND	78.9	70-130
1,3,5-Trimethylbenzene	0.0773	0.00200	"	0.100	ND	77.3	70-130
Benzene	0.0751	0.00200	"	0.100	ND	75.1	70-130

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5D2123 - EPA 5030 (soil)

Matrix Spike (B5D2123-MS1)

Source: E5D0533-05

Prepared: 04/21/2025 Analyzed: 04/21/2025

Ethylbenzene	0.0775	0.00200	mg/kg	0.100	ND	77.5	70-130			
Toluene	0.0729	0.00200	"	0.100	ND	72.9	70-130			
o-Xylene	0.0796	0.00200	"	0.100	ND	79.6	70-130			
m,p-Xylene	0.155	0.00400	"	0.200	ND	77.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.9	70-130			

Matrix Spike Dup (B5D2123-MSD1)

Source: E5D0533-05

Prepared: 04/21/2025 Analyzed: 04/21/2025

1,2,4-Trimethylbenzene	0.0744	0.00200	mg/kg	0.100	ND	74.4	70-130	5.92	20	
1,3,5-Trimethylbenzene	0.0718	0.00200	"	0.100	ND	71.8	70-130	7.38	20	
Benzene	0.0722	0.00200	"	0.100	ND	72.2	70-130	3.96	20	
Ethylbenzene	0.0732	0.00200	"	0.100	ND	73.2	70-130	5.66	20	
Toluene	0.0693	0.00200	"	0.100	ND	69.3	70-130	5.01	20	QM-07
o-Xylene	0.0757	0.00200	"	0.100	ND	75.7	70-130	5.03	20	
m,p-Xylene	0.146	0.00400	"	0.200	ND	73.0	70-130	5.73	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	70-130			

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

TOTAL METALS BY 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch A102167 -

DUP (L 97776-DUP)

Source: E5D0540-13

Prepared: Analyzed: 04/28/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		2.9	20	
----------------------	----	-----	-------	--	--------	---	--	-----	----	--

MS (L 97776-MS)

Source: E5D0540-13

Prepared: Analyzed: 04/28/2025

Chromium, Hexavalent	6.62	0.503	mg/Kg	8.06	<0.245	82	75-125			
----------------------	------	-------	-------	------	--------	----	--------	--	--	--

DUP (L 97803-DUP)

Source: 97803

Prepared: Analyzed: 04/28/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0.5	20	
----------------------	----	-----	-------	--	--------	---	--	-----	----	--

LCS (LCS)

Prepared: Analyzed: 04/28/2025

Chromium, Hexavalent	7.05	0.5	mg/Kg	8		88	75-125			
----------------------	------	-----	-------	---	--	----	--------	--	--	--

LRB (LRB)

Prepared: Analyzed: 04/28/2025

Chromium, Hexavalent	ND	0.5	mg/Kg			-				
----------------------	----	-----	-------	--	--	---	--	--	--	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Brandon VanHorn
 Project Number: [none]
 Project: KMG - Paragon Farms 42-25 Facility

TOTAL METALS BY 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch A102166 -

DUP (L 97744-DUP)

Source: 97744

Prepared: Analyzed: 04/25/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20	
----------------------	----	-----	-------	--	--------	---	---	----	--

MS (L 97744-MS)

Source: 97744

Prepared: Analyzed: 04/25/2025

Chromium, Hexavalent	6.41	0.5	mg/Kg	8	<0.244	80	75-125		
----------------------	------	-----	-------	---	--------	----	--------	--	--

DUP (L 97775-DUP)

Source: E5D0540-12

Prepared: Analyzed: 04/25/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20	
----------------------	----	-----	-------	--	--------	---	---	----	--

LCS (LCS)

Prepared: Analyzed: 04/25/2025

Chromium, Hexavalent	7.19	0.5	mg/Kg	8	90	75-125			
----------------------	------	-----	-------	---	----	--------	--	--	--

LRB (LRB)

Prepared: Analyzed: 04/25/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		-				
----------------------	----	-----	-------	--	---	--	--	--	--

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Brandon VanHorn
Project Number: [none]
Project: KMG - Paragon Farms 42-25 Facility

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.