



Ensolum

April 15, 2026

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - McDonald 8-4, Magulsol Fac

Project Number - 09A14171552

Attached are your analytical results for KMG - McDonald 8-4, Magulsol Fac received by Origins Laboratory March 25, 2026. This project is associated with Origins project number DJC0720-01.

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.

The laboratory is TNI accredited by the Utah DHHS ELAP under certificate number CO010822024.

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



Ensolium
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A14171552
Project: KMG - McDonald 8-4, Magulsol Fac

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWV-B01@5'	DJC0720-01	Soil	March 25, 2026 11:11	03/25/2026 15:43
PWV-E01@3'	DJC0720-02	Soil	March 25, 2026 11:14	03/25/2026 15:43
PWV-B02@5'	DJC0720-03	Soil	March 25, 2026 11:23	03/25/2026 15:43
PWV-N02@3'	DJC0720-04	Soil	March 25, 2026 11:26	03/25/2026 15:43
AST01@0.5'	DJC0720-05	Soil	March 25, 2026 14:25	03/25/2026 15:43

Origins Laboratory

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Client: En Solum

Project Manager: DeNewy Espinoza

Key:

Address: _____

Project Name: McDonald's - H, Magness, Fox

Project Number: 09A14171552

W=Water

Telephone Number: _____

Collected By: R. Mitchell

GW=Groundwater

Email Address: KLG TEAM

Invoice/Billing Info: FAHOL R EME#43381

SW=Surface Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas || UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

WW=Waste Water

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis				Comments	
							Full list					
1	PW-B01E51	3/5/26	1111	3	S	UNP	X					
2	PW-B02E51		1114									
3	PW-B02E51		1123									
4	PW-B02E51		1126									
5	AST01E0.51		1425									
6												
7												
8												
9												
10												

Relinquished By: [Signature] Date: 3/5/26 Time: 1543 Received By: gme Date: 3/5/26 Time: 1543

Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

Temp Received 0.0 Received On Ice? Yes No

Turnaround Time
 SAME DAY 24 Hr
 48 Hr 72
 Standard

1725 Elk Place Denver, Co. 80211 | #303.433.1322 | origins@originslab.com | Temp Received 0.0 Received On Ice? Yes No

Sample Receipt Checklist

Enthalpy Work Order: 05C0720 Client: ENSOLUM
 Checklist Completed by: NKM/DT Client Project ID: McDonald 8-4, Magulsoi Fac
 Date/Time Completed: 03/26/26 Shipped Via: LD
 Matrix(es) Received: Soil/Solid Water Other: _____
 Thermometer ID(s): T-004
 Temperature as read (°C): 0.0°C
 Temperature as reported (°C): 1.1°C

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C(1)?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container?(if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact(1)?	/			
Was adequate sample volume provided(1)?	/			
Are short holding time analytes or samples with HTs due within 48 hours present(1)?		/		
Is a chain-of-custody (COC) present and filled out completely(1)?	/			
Does the COC agree with the number and type of sample bottles received(1)?	/			
Do the sample IDs on the bottle labels match the COC(1)?	/			
Is the COC properly relinquished by the client with date and time recorded(1)?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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 analyses to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH, etc.)			/	
<u>Additional Comments (if any):</u>				

⁽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 in the additional comments (above) and the case narrative.

Jack H
 Reviewed by (Project Manager)

3/27/26
 Date/Time Reviewed



Ensolium
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

PWW-B01@5'
 3/25/2026 11:11:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-01 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND		0.22	mg/kg dry	1	BJD0512	04/09/2026	04/13/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.605		0.111	mg/L dry	1	6C26084	03/26/2026	03/30/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		27.3	mg/kg dry	1	6C26022	03/26/2026	03/26/2026	U
Residual Range Organics (C28-C36)	ND		109	"	"	"	"	"	U
Surrogate: o-Terphenyl	78.0 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6C26074	03/26/2026	03/26/2026	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

Origins Laboratory

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PWW-B01@5'

3/25/2026 11:11:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.221	mg/kg dry	1	6C26074	03/26/2026	03/26/2026	U
Surrogate: 1,2-Dichloroethane-d4	117 %			70-130		"	"	"	
Surrogate: Toluene-d8	86.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	03/26/2026	03/30/2026	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.91		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.014		0.002	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	
2-Methylnaphthalene	0.030		0.002	"	"	"	"	"	
Acenaphthene	ND		0.022	"	"	"	"	"	U
Anthracene	ND		0.022	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.022	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.022	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U

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Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-01 (Soil)
 Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.022	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	ND		0.022	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	0.004		0.002	"	"	"	"	"	
Pyrene	ND		0.022	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.7 %				70-130	"	"	"	
Surrogate: Anthracene-d10	93.3 %				70-130	"	"	"	
Surrogate: Pyrene-d10	89.0 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.2 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	90.4			mass percent	1	6C26120	03/26/2026	03/26/2026	
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pH in Soil by 9045D

pH	9.29			pH Units	1	6C26046	03/26/2026	03/28/2026	
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SAR by 20B Saturated Paste

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3/25/2026 11:11:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-01 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	3.03		0.0100	SAR	1	6C26034	03/26/2026	03/30/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.351		0.00500	mmhos/cm	1	6C26046	03/26/2026	03/28/2026	
Table 915 metals by EPA 6020B									
Arsenic	4.44		0.212	mg/kg dry	10	6C31056	03/31/2026	04/03/2026	
Barium	81.3		59.7	"	"	"	"	"	
Cadmium	ND		0.277	"	"	"	"	"	U
Copper	ND		33.5	"	"	"	"	"	U
Lead	ND		10.2	"	"	"	"	"	U
Nickel	ND		18.9	"	"	"	"	"	U
Selenium	ND		0.179	"	"	"	"	"	U
Silver	ND		0.583	"	"	"	"	"	U
Zinc	ND		270	"	"	"	"	"	U

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PWV-E01@3'
 3/25/2026 11:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-02 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND		0.22	mg/kg dry	1	BJD0512	04/09/2026	04/13/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	1.31		0.110	mg/L dry	1	6C26084	03/26/2026	03/30/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	182		27.8	mg/kg dry	1	6C26022	03/26/2026	03/26/2026	
Residual Range Organics (C28-C36)	159		111	"	"	"	"	"	
Surrogate: o-Terphenyl	98.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	0.023		0.002	mg/kg dry	1	6C26074	03/26/2026	03/26/2026	
1,3,5-Trimethylbenzene	0.012		0.002	"	"	"	"	"	
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	0.013		0.002	"	"	"	"	"	
Xylenes, total	0.072		0.002	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.44		0.225	"	"	"	"	"	

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PWV-E01@3'

3/25/2026 11:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-02 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.9 %			70-130		6C26074	03/26/2026	03/26/2026	
Surrogate: Toluene-d8	92.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	03/26/2026	03/30/2026	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	5.67		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.022		0.002	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	
2-Methylnaphthalene	0.046		0.002	"	"	"	"	"	
Acenaphthene	ND		0.023	"	"	"	"	"	U
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.023	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.023	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.023	"	"	"	"	"	U
Chrysene	ND		0.023	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.023	"	"	"	"	"	U

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PWV-E01@3'

3/25/2026 11:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Fluoranthene	ND		0.023	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	U
Fluorene	ND		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	0.005		0.002	"	"	"	"	"	
Pyrene	ND		0.023	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.0 %				70-130	"	"	"	
Surrogate: Anthracene-d10	95.9 %				70-130	"	"	"	
Surrogate: Pyrene-d10	88.9 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	90.2			mass percent	1	6C26120	03/26/2026	03/26/2026	
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pH in Soil by 9045D

pH	10.1			pH Units	1	6C26046	03/26/2026	03/28/2026	
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SAR by 20B Saturated Paste

SAR	17.6		0.0100	SAR	1	6C26034	03/26/2026	03/30/2026	
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PWW-E01@3'
 3/25/2026 11:14:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-02 (Soil)
Origins Laboratory

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.744		0.00500	mmhos/cm	1	6C26046	03/26/2026	03/28/2026	
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Table 915 metals by EPA 6020B

Arsenic	5.25		0.233	mg/kg dry	10	6C31056	03/31/2026	04/03/2026	
Barium	118		65.8	"	"	"	"	"	
Cadmium	ND		0.305	"	"	"	"	"	U
Copper	ND		36.9	"	"	"	"	"	U
Lead	ND		11.2	"	"	"	"	"	U
Nickel	ND		20.9	"	"	"	"	"	U
Selenium	ND		0.198	"	"	"	"	"	U
Silver	ND		0.642	"	"	"	"	"	U
Zinc	ND		297	"	"	"	"	"	U

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PWW-B02@5'
3/25/2026 11:23:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-03 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND		0.23	mg/kg dry	1	BJD0512	04/09/2026	04/13/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.235		0.108	mg/L dry	1	6C26084	03/26/2026	03/30/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	130		26.8	mg/kg dry	1	6C26022	03/26/2026	03/26/2026	
Residual Range Organics (C28-C36)	ND		107	"	"	"	"	"	U
Surrogate: o-Terphenyl	88.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	0.003		0.002	mg/kg dry	1	6C26074	03/26/2026	03/27/2026	
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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PWV-B02@5'
3/25/2026 11:23:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	1.43		0.218	mg/kg dry	1	6C26074	03/26/2026	03/27/2026	
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Surrogate: 1,2-Dichloroethane-d4	97.0 %			70-130		"	"	"	
Surrogate: Toluene-d8	87.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.07		0.499	meq/L	10	[CALC]	03/26/2026	03/30/2026	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.72		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.083		0.002	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	
2-Methylnaphthalene	0.136		0.002	"	"	"	"	"	
Acenaphthene	ND		0.021	"	"	"	"	"	U
Anthracene	ND		0.021	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.021	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.021	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.021	"	"	"	"	"	U
Chrysene	ND		0.021	"	"	"	"	"	U

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 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

PWW-B02@5'
 3/25/2026 11:23:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-03 (Soil)									
Origins Laboratory									
PAH by EPA 8270E extracted via 3580A									
Dibenz (a,h) anthracene	ND		0.021	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	U
Fluoranthene	ND		0.021	"	"	"	"	"	U
Fluorene	0.052		0.021	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.021	"	"	"	"	"	U
Naphthalene	0.014		0.002	"	"	"	"	"	
Pyrene	ND		0.021	"	"	"	"	"	U
Surrogate: Fluorene-d10	95.5 %				70-130	"	"	"	
Surrogate: Anthracene-d10	95.2 %				70-130	"	"	"	
Surrogate: Pyrene-d10	86.8 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %				70-130	"	"	"	
Percent Solids									
Total Solids, Percent	92.8			mass percent	1	6C26120	03/26/2026	03/26/2026	
pH in Soil by 9045D									
pH	9.73			pH Units	1	6C26046	03/26/2026	03/28/2026	
SAR by 20B Saturated Paste									
SAR	1.98		0.0100	SAR	1	6C26034	03/26/2026	03/30/2026	

Origins Laboratory

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 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

PWW-B02@5'
3/25/2026 11:23:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-03 (Soil)
Origins Laboratory

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.462		0.00500	mmhos/cm	1	6C26046	03/26/2026	03/28/2026	
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Table 915 metals by EPA 6020B

Arsenic	4.26		0.205	mg/kg dry	10	6C31056	03/31/2026	04/03/2026	
Barium	130		57.7	"	"	"	"	"	
Cadmium	ND		0.268	"	"	"	"	"	U
Copper	ND		32.4	"	"	"	"	"	U
Lead	ND		9.86	"	"	"	"	"	U
Nickel	ND		18.3	"	"	"	"	"	U
Selenium	ND		0.173	"	"	"	"	"	U
Silver	ND		0.563	"	"	"	"	"	U
Zinc	ND		260	"	"	"	"	"	U

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Jeremy Espinoza
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 Project: KMG - McDonald 8-4, Magulsol Fac

PWV-N02@3'
 3/25/2026 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-04 (Soil)									
Enthalpy Analytical									
TOTAL METALS BY SW7199									
Chromium, Hexavalent	ND		0.23	mg/kg dry	1	BJD0512	04/09/2026	04/13/2026	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.139		0.110	mg/L dry	1	6C26084	03/26/2026	03/30/2026	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		27.8	mg/kg dry	1	6C26022	03/26/2026	03/26/2026	U
Residual Range Organics (C28-C36)	ND		111	"	"	"	"	"	U
Surrogate: o-Terphenyl	84.0 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.002	mg/kg dry	1	6C26074	03/26/2026	03/27/2026	U
1,3,5-Trimethylbenzene	ND		0.002	"	"	"	"	"	U
Benzene	ND		0.002	"	"	"	"	"	U
Ethylbenzene	ND		0.002	"	"	"	"	"	U
Toluene	ND		0.002	"	"	"	"	"	U
Xylenes, total	ND		0.002	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

PWV-N02@3'
 3/25/2026 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-04 (Soil)									
Origins Laboratory									
GBTEX+TMBs by 8260D									
Gasoline Range Hydrocarbons	ND		0.220	mg/kg dry	1	6C26074	03/26/2026	03/27/2026	U
Surrogate: 1,2-Dichloroethane-d4	86.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	129 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %			70-130		"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	1.14		0.499	meq/L	10	[CALC]	03/26/2026	03/30/2026	
Magnesium	1.42		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
PAH by EPA 8270E extracted via 3580A									
1-Methylnaphthalene	ND		0.002	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.022	"	"	"	"	"	U
Anthracene	ND		0.022	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.022	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.022	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.022	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

PWW-N02@3'
3/25/2026 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Chrysene	ND		0.022	mg/kg dry	1	6C26100	03/26/2026	03/27/2026	U
Dibenz (a,h) anthracene	ND		0.022	"	"	"	"	"	U
Fluoranthene	ND		0.022	"	"	"	"	"	U
Fluorene	ND		0.022	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.022	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.022	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.8 %				70-130	"	"	"	
Surrogate: Anthracene-d10	92.9 %				70-130	"	"	"	
Surrogate: Pyrene-d10	89.8 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.2 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	90.6			mass percent	1	6C26120	03/26/2026	03/26/2026	
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pH in Soil by 9045D

pH	8.43			pH Units	1	6C26046	03/26/2026	03/28/2026	
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SAR by 20B Saturated Paste

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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsoi Fac

PWV-N02@3'
 3/25/2026 11:26:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-04 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	0.191		0.0100	SAR	1	6C26034	03/26/2026	03/30/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.303		0.00500	mmhos/cm	1	6C26046	03/26/2026	03/28/2026	
Table 915 metals by EPA 6020B									
Arsenic	1.89		0.222	mg/kg dry	10	6C31056	03/31/2026	04/03/2026	
Barium	ND		62.7	"	"	"	"	"	U
Cadmium	ND		0.290	"	"	"	"	"	U
Copper	ND		35.2	"	"	"	"	"	U
Lead	ND		10.7	"	"	"	"	"	U
Nickel	ND		19.9	"	"	"	"	"	U
Selenium	ND		0.188	"	"	"	"	"	U
Silver	ND		0.611	"	"	"	"	"	U
Zinc	ND		283	"	"	"	"	"	U

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Jeremy Espinoza
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 Project: KMG - McDonald 8-4, Magulsol Fac

AST01@0.5'
3/25/2026 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-05 (Soil)
Enthalpy Analytical

TOTAL METALS BY SW7199

Chromium, Hexavalent	ND		0.23	mg/kg dry	1	BJD0512	04/09/2026	04/13/2026	
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Origins Laboratory

Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	0.157		0.114	mg/L dry	1	6C26084	03/26/2026	03/30/2026	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	8610		290	mg/kg dry	10	6C26022	03/26/2026	03/27/2026	
Residual Range Organics (C28-C36)	4090		116	"	1	"	"	03/26/2026	

Surrogate: o-Terphenyl	526 %			50-150		"	"	03/27/2026	S-06
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GBTEX+TMBs by 8260D

HDSP

1,2,4-Trimethylbenzene	46.1		0.581	mg/kg dry	250	6C26074	03/26/2026	03/29/2026	
1,3,5-Trimethylbenzene	10.7		0.058	"	25	"	"	03/28/2026	
Benzene	0.571		0.058	"	"	"	"	"	
Ethylbenzene	5.59		0.058	"	"	"	"	"	
Toluene	27.1		0.581	"	250	"	"	03/29/2026	
Xylenes, total	94.9		0.581	"	"	"	"	"	

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Ensolium
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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

AST01@0.5'
3/25/2026 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-05 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

HDSP

Gasoline Range Hydrocarbons	2550		58.1	mg/kg dry	250	6C26074	03/26/2026	03/29/2026	
Surrogate: 1,2-Dichloroethane-d4	99.7 %			70-130	"	"	"	03/28/2026	
Surrogate: Toluene-d8	135 %			70-130	"	"	"	"	S-GC
Surrogate: 4-Bromofluorobenzene	82.9 %			70-130	"	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.40		0.499	meq/L	10	[CALC]	03/26/2026	03/30/2026	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	11.4		0.023	mg/kg dry	10	6C26100	03/26/2026	03/27/2026	
2-Methylnaphthalene	29.7		0.234	"	100	"	"	03/30/2026	
Acenaphthene	1.71		0.234	"	10	"	"	03/27/2026	
Anthracene	ND		0.234	"	"	"	"	"	R-05, U
Benzo (a) anthracene	ND		0.058	"	"	"	"	"	R-05, U
Benzo (a) pyrene	ND		0.234	"	"	"	"	"	R-05, U
Benzo (b) fluoranthene	ND		0.234	"	"	"	"	"	R-05, U

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Ensolium
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

AST01@0.5'
3/25/2026 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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DJC0720-05 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (k) fluoranthene	ND		0.234	mg/kg dry	10	6C26100	03/26/2026	03/27/2026	R-05, U
Chrysene	ND		0.234	"	"	"	"	"	R-05, U
Dibenz (a,h) anthracene	ND		0.234	"	"	"	"	"	R-05, U
Fluoranthene	ND		0.234	"	"	"	"	"	R-05, U
Fluorene	1.60		0.234	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.234	"	"	"	"	"	R-05, U
Naphthalene	5.62		0.023	"	"	"	"	"	
Pyrene	ND		0.234	"	"	"	"	"	R-05, U

Surrogate: Fluorene-d10	91.4 %				70-130	"	"	"	
Surrogate: Anthracene-d10	109 %				70-130	"	"	"	
Surrogate: Pyrene-d10	80.9 %				70-130	"	"	"	
Surrogate: Benzo (a) pyrene-d12	105 %				70-130	"	"	"	

Percent Solids

Total Solids, Percent	87.1			mass percent	1	6C26120	03/26/2026	03/26/2026	
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pH in Soil by 9045D

pH	7.78			pH Units	1	6C26046	03/26/2026	03/28/2026	
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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

AST01@0.5'
3/25/2026 2:25:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
DJC0720-05 (Soil)									
Origins Laboratory									
SAR by 20B Saturated Paste									
SAR	0.342		0.0100	SAR	1	6C26034	03/26/2026	03/30/2026	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.263		0.00500	mmhos/cm	1	6C26046	03/26/2026	03/28/2026	
Table 915 metals by EPA 6020B									
Arsenic	4.03		0.215	mg/kg dry	10	6C31056	03/31/2026	04/03/2026	
Barium	78.0		60.6	"	"	"	"	"	
Cadmium	ND		0.281	"	"	"	"	"	U
Copper	ND		34.0	"	"	"	"	"	U
Lead	ND		10.3	"	"	"	"	"	U
Nickel	ND		19.2	"	"	"	"	"	U
Selenium	ND		0.182	"	"	"	"	"	U
Silver	ND		0.591	"	"	"	"	"	U
Zinc	ND		273	"	"	"	"	"	U

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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

*** DEFAULT GENERAL METHOD *** - Quality Control

Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C26120 - % Solids

Duplicate (6C26120-DUP1)

Source: DJC0719-01

Prepared: 03/26/2026 Analyzed: 03/26/2026

Total Solids, Percent	94.6		mass percent		94.5			0.143	20	
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Duplicate (6C26120-DUP2)

Source: DJC0719-02

Prepared: 03/26/2026 Analyzed: 03/26/2026

Total Solids, Percent	86.7		mass percent		86.5			0.201	20	
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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C26034 - Saturated Paste Metals

Blank (6C26034-BLK1)

Prepared: 03/26/2026 Analyzed: 03/30/2026

Calcium PPM	ND	10.0	mg/L							U
SAR	ND	0.0100	SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

Duplicate (6C26034-DUP1)

Source: DJC0717-01

Prepared: 03/26/2026 Analyzed: 03/30/2026

Calcium PPM	14.4	10.0	mg/L		15.4			6.79	50	
SAR	ND	0.0100	SAR		0.105				200	U
Magnesium PPM	2.28	10.0	mg/L		2.69			16.5	50	U
Sodium PPM	1.53	10.0	"		1.69			9.94	50	U

Batch 6C26084 - DTPA Sorbitol Preparation

Blank (6C26084-BLK1)

Prepared: 03/26/2026 Analyzed: 03/30/2026

(DTPA Sorbitol) Boron	ND	0.100	mg/L wet							U
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Duplicate (6C26084-DUP1)

Source: DJC0720-01

Prepared: 03/26/2026 Analyzed: 03/30/2026

(DTPA Sorbitol) Boron	0.386	0.110	mg/L dry		0.605			44.1	50	
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Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

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
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Batch 6C26100 - EPA 3580

Blank (6C26100-BLK1)

Prepared: 03/26/2026 Analyzed: 03/27/2026

1-Methylnaphthalene	ND	0.002	mg/kg wet							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
Pyrene	ND	0.020	"							U

Surrogate: Fluorene-d10	200		ug/kg	200		97.8	70-130			
Surrogate: Anthracene-d10	180		"	200		90.8	70-130			
Surrogate: Pyrene-d10	180		"	200		88.8	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	70-130			

LCS (6C26100-BS1)

Prepared: 03/26/2026 Analyzed: 03/27/2026

1-Methylnaphthalene	0.204	0.002	mg/kg wet	0.202		101	70-130			
2-Methylnaphthalene	0.206	0.002	"	0.202		102	70-130			
Acenaphthene	0.194	0.020	"	0.202		96.0	70-130			
Anthracene	0.181	0.020	"	0.202		89.2	70-130			
Benzo (a) anthracene	0.188	0.005	"	0.202		93.0	70-130			
Benzo (a) pyrene	0.213	0.020	"	0.202		105	70-130			

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

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
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Batch 6C26100 - EPA 3580

LCS (6C26100-BS1)

Prepared: 03/26/2026 Analyzed: 03/27/2026

Benzo (b) fluoranthene	0.221	0.020	mg/kg wet	0.202		109	70-130			
Benzo (g,h,i) perylene	0.223	0.020	"	0.202		110	70-130			
Benzo (k) fluoranthene	0.215	0.020	"	0.202		106	70-130			
Chrysene	0.197	0.020	"	0.202		97.3	70-130			
Dibenz (a,h) anthracene	0.255	0.020	"	0.202		126	70-130			
Fluoranthene	0.197	0.020	"	0.202		97.1	70-130			
Fluorene	0.195	0.020	"	0.202		96.6	70-130			
Indeno (1,2,3-cd) pyrene	0.229	0.020	"	0.202		113	70-130			
Naphthalene	0.209	0.002	"	0.202		103	70-130			
Phenanthrene	0.190	0.020	"	0.202		93.9	70-130			
Pyrene	0.181	0.020	"	0.202		89.2	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.3	70-130			
Surrogate: Anthracene-d10	190		"	200		92.7	70-130			
Surrogate: Pyrene-d10	180		"	200		89.8	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	70-130			

Matrix Spike (6C26100-MS1)

Source: DJC0720-01

Prepared: 03/26/2026 Analyzed: 03/27/2026

1-Methylnaphthalene	0.234	0.002	mg/kg dry	0.223	0.014	98.3	70-130			
2-Methylnaphthalene	0.243	0.002	"	0.223	0.030	95.5	70-130			
Acenaphthene	0.217	0.022	"	0.223	0.006	94.3	70-130			
Anthracene	0.206	0.022	"	0.223	ND	92.4	70-130			
Benzo (a) anthracene	0.200	0.006	"	0.223	ND	89.4	70-130			
Benzo (a) pyrene	0.225	0.022	"	0.223	0.002	100	70-130			
Benzo (b) fluoranthene	0.248	0.022	"	0.223	0.003	109	70-130			
Benzo (g,h,i) perylene	0.239	0.022	"	0.223	0.004	105	70-130			
Benzo (k) fluoranthene	0.229	0.022	"	0.223	ND	103	70-130			
Chrysene	0.199	0.022	"	0.223	0.005	87.1	70-130			

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Ensolium
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

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
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Batch 6C26100 - EPA 3580

Matrix Spike (6C26100-MS1)

Source: DJC0720-01

Prepared: 03/26/2026 Analyzed: 03/27/2026

Dibenz (a,h) anthracene	0.263	0.022	mg/kg dry	0.223	0.002	117	70-130			
Fluoranthene	0.221	0.022	"	0.223	0.0006	98.6	70-130			
Fluorene	0.215	0.022	"	0.223	0.006	93.5	70-130			
Indeno (1,2,3-cd) pyrene	0.230	0.022	"	0.223	0.005	101	70-130			
Naphthalene	0.231	0.002	"	0.223	0.004	102	70-130			
Phenanthrene	0.222	0.022	"	0.223	0.015	92.4	70-130			
Pyrene	0.200	0.022	"	0.223	0.002	88.8	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		97.1	70-130			
Surrogate: Anthracene-d10	180		"	200		91.9	70-130			
Surrogate: Pyrene-d10	180		"	200		89.3	70-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.6	70-130			

Matrix Spike Dup (6C26100-MSD1)

Source: DJC0720-01

Prepared: 03/26/2026 Analyzed: 03/27/2026

1-Methylnaphthalene	0.231	0.002	mg/kg dry	0.223	0.014	97.3	70-130	1.20	35	
2-Methylnaphthalene	0.237	0.002	"	0.223	0.030	92.9	70-130	2.59	35	
Acenaphthene	0.214	0.022	"	0.223	0.006	93.4	70-130	1.16	35	
Anthracene	0.196	0.022	"	0.223	ND	87.9	70-130	5.18	35	
Benzo (a) anthracene	0.209	0.006	"	0.223	ND	93.8	70-130	4.59	35	
Benzo (a) pyrene	0.232	0.022	"	0.223	0.002	103	70-130	2.96	35	
Benzo (b) fluoranthene	0.256	0.022	"	0.223	0.003	114	70-130	3.54	35	
Benzo (g,h,i) perylene	0.244	0.022	"	0.223	0.004	108	70-130	2.03	35	
Benzo (k) fluoranthene	0.220	0.022	"	0.223	ND	98.9	70-130	3.86	35	
Chrysene	0.214	0.022	"	0.223	0.005	94.0	70-130	7.26	35	
Dibenz (a,h) anthracene	0.268	0.022	"	0.223	0.002	119	70-130	1.69	35	
Fluoranthene	0.214	0.022	"	0.223	0.0006	95.8	70-130	3.05	35	
Fluorene	0.213	0.022	"	0.223	0.006	92.9	70-130	0.748	35	
Indeno (1,2,3-cd) pyrene	0.240	0.022	"	0.223	0.005	106	70-130	4.60	35	

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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
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Batch 6C26100 - EPA 3580

Matrix Spike Dup (6C26100-MSD1)

Source: DJC0720-01

Prepared: 03/26/2026 Analyzed: 03/27/2026

Naphthalene	0.227	0.002	mg/kg dry	0.223	0.004	100	70-130	1.50	35	
Phenanthrene	0.214	0.022	"	0.223	0.015	89.2	70-130	3.47	35	
Pyrene	0.197	0.022	"	0.223	0.002	87.6	70-130	1.60	35	
Surrogate: Fluorene-d10	200		ug/kg	200		98.2	70-130			
Surrogate: Anthracene-d10	180		"	200		91.2	70-130			
Surrogate: Pyrene-d10	180		"	200		87.8	70-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	70-130			

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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
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Batch 6C26022 - EPA 3550B

Prepared: 03/26/2026 Analyzed: 03/26/2026

Blank (6C26022-BLK1)

Diesel (C10-C28)	ND	25.1	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	25.0		79.6	50-150			

LCS (6C26022-BS1)

Prepared: 03/26/2026 Analyzed: 03/26/2026

Diesel (C10-C28)	940	50.5	mg/kg wet	1010		93.0	70-130			
Residual Range Organics (C28-C36)	958	202	"	1010		94.8	70-130			
Surrogate: o-Terphenyl	52		"	50.3		103	50-150			

Matrix Spike (6C26022-MS1)

Source: DJC0711-01

Prepared: 03/26/2026 Analyzed: 03/26/2026

Diesel (C10-C28)	949	54.3	mg/kg dry	1090	ND	87.4	70-130			
Residual Range Organics (C28-C36)	998	217	"	1090	ND	91.9	70-130			
Surrogate: o-Terphenyl	46		"	54.0		85.4	50-150			

Matrix Spike Dup (6C26022-MSD1)

Source: DJC0711-01

Prepared: 03/26/2026 Analyzed: 03/26/2026

Diesel (C10-C28)	1050	55.3	mg/kg dry	1110	ND	94.8	70-130	9.94	35	
Residual Range Organics (C28-C36)	1090	221	"	1110	ND	98.7	70-130	8.92	35	
Surrogate: o-Terphenyl	56		"	55.0		101	50-150			

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 Project: KMG - McDonald 8-4, Magulsol Fac

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
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Batch 6C31056 - EPA 3050B

Prepared: 03/31/2026 Analyzed: 04/03/2026

Blank (6C31056-BLK1)

Arsenic	ND	0.218	mg/kg wet							U
Barium	ND	61.5	"							U
Cadmium	ND	0.285	"							U
Copper	ND	34.5	"							U
Lead	ND	10.5	"							U
Nickel	ND	19.5	"							U
Selenium	ND	0.184	"							U
Silver	ND	0.600	"							U
Zinc	ND	278	"							U

LCS (6C31056-BS1)

Prepared: 03/31/2026 Analyzed: 04/03/2026

Arsenic	5.31	0.218	mg/kg wet	5.00		106	80-120			
Barium	511	61.5	"	500		102	80-120			
Cadmium	5.17	0.285	"	5.00		103	80-120			
Copper	52.4	34.5	"	50.0		105	80-120			
Lead	5.04	10.5	"	5.00		101	80-120			U
Nickel	5.23	19.5	"	5.00		105	80-120			U
Selenium	4.91	0.184	"	5.00		98.2	80-120			
Silver	5.16	0.600	"	5.00		103	80-120			
Zinc	53.2	278	"	50.0		106	80-120			U

Matrix Spike (6C31056-MS1)

Source: DJC0712-01

Prepared: 03/31/2026 Analyzed: 04/03/2026

Arsenic	10.1	0.226	mg/kg dry	5.18	3.94	119	75-125			
Barium	667	63.7	"	518	181	93.8	75-125			
Cadmium	5.49	0.295	"	5.18	0.157	103	75-125			
Copper	63.2	35.7	"	51.8	8.70	105	75-125			
Lead	14.1	10.9	"	5.18	9.09	96.6	75-125			

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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
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Batch 6C31056 - EPA 3050B

Matrix Spike (6C31056-MS1)

Source: DJC0712-01

Prepared: 03/31/2026 Analyzed: 04/03/2026

Nickel	13.3	20.2	mg/kg dry	5.18	8.28	97.6	75-125			U
Selenium	5.27	0.191	"	5.18	0.218	97.6	75-125			
Silver	5.47	0.622	"	5.18	0.0283	105	75-125			
Zinc	93.5	288	"	51.8	38.4	106	75-125			U

Matrix Spike Dup (6C31056-MSD1)

Source: DJC0712-01

Prepared: 03/31/2026 Analyzed: 04/03/2026

Arsenic	8.70	0.220	mg/kg dry	5.05	3.94	94.2	75-125	14.8	20	
Barium	662	62.2	"	505	181	95.1	75-125	0.788	20	
Cadmium	5.25	0.288	"	5.05	0.157	101	75-125	4.51	20	
Copper	61.6	34.9	"	50.5	8.70	105	75-125	2.62	20	
Lead	14.0	10.6	"	5.05	9.09	97.5	75-125	0.561	20	
Nickel	13.8	19.7	"	5.05	8.28	109	75-125	3.21	20	U
Selenium	4.96	0.187	"	5.05	0.218	93.8	75-125	6.15	20	
Silver	5.20	0.607	"	5.05	0.0283	102	75-125	5.17	20	
Zinc	91.1	281	"	50.5	38.4	104	75-125	2.60	20	U

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 Project Number: 09A14171552
 Project: KMG - McDonald 8-4, Magulsol Fac

Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C26046 - Saturated Paste pH/EC

Blank (6C26046-BLK1)

Prepared: 03/26/2026 Analyzed: 03/28/2026

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (6C26046-DUP1)

Source: DJC0717-01

Prepared: 03/26/2026 Analyzed: 03/28/2026

pH	8.71		pH Units		8.62			1.04		25
Specific Conductance (EC)	0.129	0.00500	mmhos/cm		0.144			10.9		25

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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
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Batch 6C26074 - EPA 5030 (soil)

Prepared: 03/26/2026 Analyzed: 03/26/2026

Blank (6C26074-BLK1)

1,2,4-Trimethylbenzene	ND	0.002	mg/kg wet							U
1,3,5-Trimethylbenzene	ND	0.002	"							U
Benzene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.2	70-130			
Surrogate: Toluene-d8	0.069		"	0.125		55.2	70-130			S-GC
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.8	70-130			

LCS (6C26074-BS1)

Prepared: 03/26/2026 Analyzed: 03/26/2026

Naphthalene	0.067	0.004	mg/kg wet	0.100		67.1	70-130			QM-11
1,2,4-Trimethylbenzene	0.086	0.002	"	0.100		85.6	70-130			
1,3,5-Trimethylbenzene	0.115	0.002	"	0.100		115	70-130			
Benzene	0.099	0.002	"	0.100		99.1	70-130			
Ethylbenzene	0.111	0.002	"	0.100		111	70-130			
Toluene	0.106	0.002	"	0.100		106	70-130			
o-Xylene	0.100	0.002	"	0.100		99.8	70-130			
m,p-Xylene	0.220	0.004	"	0.200		110	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.4	70-130			
Surrogate: Toluene-d8	0.085		"	0.125		67.9	70-130			S-GC
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Matrix Spike (6C26074-MS1)

Source: DJC0713-01

Prepared: 03/26/2026 Analyzed: 03/28/2026

Naphthalene	0.086	0.005	mg/kg dry	0.119	ND	72.3	70-130			
1,2,4-Trimethylbenzene	0.089	0.002	"	0.119	ND	74.5	70-130			

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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
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Batch 6C26074 - EPA 5030 (soil)

Matrix Spike (6C26074-MS1)

Source: DJC0713-01

Prepared: 03/26/2026 Analyzed: 03/28/2026

1,3,5-Trimethylbenzene	0.090	0.002	mg/kg dry	0.119	ND	76.1	70-130			
Benzene	0.100	0.002	"	0.119	ND	83.9	70-130			
Ethylbenzene	0.097	0.002	"	0.119	ND	81.2	70-130			
Toluene	0.098	0.002	"	0.119	ND	82.8	70-130			
o-Xylene	0.096	0.002	"	0.119	ND	80.8	70-130			
m,p-Xylene	0.194	0.005	"	0.238	ND	81.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.149		104	70-130			
Surrogate: Toluene-d8	0.15		"	0.149		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.149		95.7	70-130			

Matrix Spike Dup (6C26074-MSD1)

Source: DJC0713-01

Prepared: 03/26/2026 Analyzed: 03/28/2026

Naphthalene	0.096	0.004	mg/kg dry	0.118	ND	80.7	70-130	10.7	20	
1,2,4-Trimethylbenzene	0.092	0.002	"	0.118	ND	77.7	70-130	3.85	20	
1,3,5-Trimethylbenzene	0.096	0.002	"	0.118	ND	80.9	70-130	5.78	20	
Benzene	0.098	0.002	"	0.118	ND	82.9	70-130	1.68	20	
Ethylbenzene	0.100	0.002	"	0.118	ND	84.7	70-130	3.74	20	
Toluene	0.103	0.002	"	0.118	ND	87.1	70-130	4.61	20	
o-Xylene	0.099	0.002	"	0.118	ND	83.6	70-130	2.93	20	
m,p-Xylene	0.194	0.005	"	0.237	ND	82.0	70-130	0.278	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.148		105	70-130			
Surrogate: Toluene-d8	0.15		"	0.148		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.148		98.8	70-130			

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 Project: KMG - McDonald 8-4, Magulsol Fac

TOTAL METALS BY SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BJD0512 - No Prep IC-WET										
Blank (BJD0512-BLK1)										
Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	ND	0.005	mg/kg wet dry				-			
LCS (BJD0512-BS1)										
Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	0.05	0.005	mg/kg wet dry	0.0500		97.4	80-120			
LCS (BJD0512-BS2)										
Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	6.53	1.00	mg/kg wet dry	8.13		80.3	80-120			
Duplicate (BJD0512-DUP1)										
Source: DJC0720-05 Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	ND	0.24	mg/kg dry		ND		-		20	
Matrix Spike (BJD0512-MS1)										
Source: DJC0720-05 Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	2.24	0.23	mg/kg dry	2.29	ND	98.0	75-125			
Matrix Spike (BJD0512-MS2)										
Source: DJC0720-05 Prepared: 04/09/2026 Analyzed: 04/13/2026										
Chromium, Hexavalent	3.13	0.24	mg/kg dry	2.36	ND	133	75-125			M

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Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- QM-11 Spike recovery was outside acceptance limits for LCS, however samples are non-detect for this compound.
- M Matrix spike recovery is outside established acceptance limits
- HDSP Sample aliquot taken from a container with headspace (VOA air bubble greater than 6 mm diameter or soil jar opened after primary sampling).
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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.