



TAQ Energy
Hayden Wambach
1101 S Huron St

December 01, 2025

Denver CO 80223

Project Name - Gunnison Soil Project Number - 1

Attached are your analytical results for Gunnison Soil received by Origins Laboratory November 17, 2025. This project is associated with Origins project number E5K0380-01.

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



TAQ Energy
1101 S Huron St
Denver CO 80223

Hayden Wambach
Project Number: 1
Project: Gunnison Soil

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HORH FED WH	E5K0380-01	Soil	November 14, 2025 11:15	11/17/2025 08:44
HORH FED BG1	E5K0380-02	Soil	November 14, 2025 11:50	11/17/2025 08:44
HORH FED BG2	E5K0380-03	Soil	November 14, 2025 10:50	11/17/2025 08:44
ALLEN WH	E5K0380-04	Soil	November 14, 2025 14:16	11/17/2025 08:44
ALLEN BG1	E5K0380-05	Soil	November 14, 2025 15:03	11/17/2025 08:44
ALLEN BG2	E5K0380-06	Soil	November 14, 2025 14:45	11/17/2025 08:44
Cone Pine WH	E5K0380-07	Soil	November 14, 2025 16:20	11/17/2025 08:44
Cone Pine BG1	E5K0380-08	Soil	November 14, 2025 15:45	11/17/2025 08:44
Cone Pine BG2	E5K0380-09	Soil	November 14, 2025 16:01	11/17/2025 08:44

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Kayla Kenyon For Jen Pellegrini, Project Manager

Sample Receipt Checklist

Origins Work Order: ESL0380

Client: TAD Energy

Client Project ID: Gunnison Soil

Checklist Completed by: NKM /

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 11/17/25

Airbill #: N/A

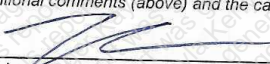
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 0.8 °C (Describe)

Thermometer ID: T-004

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"/>			water intrusion in 4B+4C; 6C
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"/>			
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 in order 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)			<input checked="" type="checkbox"/>	
Additional Comments (if any): <input checked="" type="checkbox"/> Sample 9 Labeled: "Allen BG 2" but time matches 16.01				

⁽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.


Reviewed by (Project Manager)

11/18/25
Date/Time Reviewed



TAQ Energy
 1101 S Huron St
 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED WH

11/14/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-01 (Soil)									
Enthalpy Analytical									
Percent Solids									
Percent Solids	78.4	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.10	0.25	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		1.27	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		31.9	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		127	"	"	"	"	"	U
Surrogate: o-Terphenyl	88.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0007	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.003	"	"	"	"	"	U
Benzene	ND	0.0006	0.003	"	"	"	"	"	U

Origins Laboratory

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Kayla Kenyon For Jen Pellegrini, Project Manager



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 Project Number: 1
 Project: Gunnison Soil

HORH FED WH

11/14/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0380-01 (Soil)
 Origins Laboratory**

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0008	0.003	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.003	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.131	0.050	0.258	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	87.1 %				70-130	"	"	"	
Surrogate: Toluene-d8	99.2 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %				70-130	"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.82		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	0.974		0.823	"	"	"	"	"	
Sodium	2.62		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.003	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.003	"	"	"	"	"	U
Acenaphthene	ND		0.025	"	"	"	"	"	U
Anthracene	ND		0.025	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.025	"	"	"	"	"	U

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HORH FED WH

11/14/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0380-01 (Soil)
 Origins Laboratory**

PAH by EPA 8270E extracted via 3580A

Benzo (b) fluoranthene	ND		0.025	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (k) fluoranthene	ND		0.025	"	"	"	"	"	U
Chrysene	ND		0.025	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.025	"	"	"	"	"	U
Fluoranthene	ND		0.025	"	"	"	"	"	U
Fluorene	ND		0.025	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.025	"	"	"	"	"	U
Naphthalene	ND		0.003	"	"	"	"	"	U
Pyrene	ND		0.025	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %			60-130		"	"	"	
Surrogate: Anthracene-d10	97.5 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.4 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	107 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	78.4			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

pH	6.48			pH Units	1	5K17053	11/17/2025	11/19/2025	
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Kayla Kenyon For Jen Pellegrini, Project Manager



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HORH FED WH

11/14/2025 11:15:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0380-01 (Soil)
 Origins Laboratory**

SAR by 20B Saturated Paste

SAR	2.22		0.0100	SAR	1	5K17046	11/17/2025	11/19/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.373		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
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Table 915 metals by EPA 6020B

Arsenic	3.52		0.254	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	378		71.7	"	"	"	"	"	
Cadmium	ND		0.332	"	"	"	"	"	U
Copper	ND		40.2	"	"	"	"	"	U
Lead	16.8		12.2	"	"	"	"	"	
Nickel	ND		22.7	"	"	"	"	"	U
Selenium	1.29		0.215	"	"	"	"	"	
Silver	ND		0.699	"	"	"	"	"	U
Zinc	ND		323	"	"	"	"	"	U

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HORH FED BG1
11/14/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-02 (Soil)
Enthalpy Analytical

Percent Solids

Percent Solids	85.2	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
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Total Metals by SW7199

Chromium, Hexavalent	0.26	0.09	0.24	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
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Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	ND		1.18	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		29.4	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		118	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.3 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0006	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U

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HORH FED BG1
11/14/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-02 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.138	0.045	0.232	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	91.4 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.023	"	"	"	"	"	U
Anthracene	ND		0.023	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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 1101 S Huron St
 Denver CO 80223

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HORH FED BG1
11/14/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-02 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.023	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	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
Fluoranthene	ND		0.023	"	"	"	"	"	U
Fluorene	ND		0.023	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.023	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.023	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.4 %			60-130		"	"	"	
Surrogate: Anthracene-d10	95.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	99.2 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	85.2			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

Origins Laboratory

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 1101 S Huron St
 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED BG1

11/14/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0380-02 (Soil)
 Origins Laboratory**

pH in Soil by 9045D

pH	7.03			pH Units	1	5K17053	11/17/2025	11/19/2025	
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SAR by 20B Saturated Paste

SAR	0.491		0.0100	SAR	1	5K17046	"	11/19/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0877		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.85		0.228	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	424		64.2	"	"	"	"	"	
Cadmium	ND		0.298	"	"	"	"	"	U
Copper	ND		36.0	"	"	"	"	"	U
Lead	20.4		11.0	"	"	"	"	"	
Nickel	ND		20.4	"	"	"	"	"	U
Selenium	0.452		0.193	"	"	"	"	"	
Silver	ND		0.627	"	"	"	"	"	U
Zinc	ND		290	"	"	"	"	"	U

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TAQ Energy
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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED BG2
11/14/2025 10:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-03 (Soil)									
Enthalpy Analytical									
Percent Solids									
Percent Solids	81.1	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
Total Metals by SW7199									
Chromium, Hexavalent	0.20	0.10	0.25	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	Ja
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		1.24	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		30.9	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		124	"	"	"	"	"	U
Surrogate: o-Terphenyl	90.5 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0007	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U

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TAQ Energy
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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED BG2
11/14/2025 10:50:00AM

E5K0380-03 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.118	0.048	0.250	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	88.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.579		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.514		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.025	"	"	"	"	"	U
Anthracene	ND		0.025	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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TAQ Energy
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 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED BG2
11/14/2025 10:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.025	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.025	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.025	"	"	"	"	"	U
Chrysene	ND		0.025	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.025	"	"	"	"	"	U
Fluoranthene	ND		0.025	"	"	"	"	"	U
Fluorene	ND		0.025	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.025	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.025	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.8 %			60-130		"	"	"	
Surrogate: Anthracene-d10	98.2 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.5 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	107 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	81.1			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

Origins Laboratory

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

HORH FED BG2

11/14/2025 10:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5K0380-03 (Soil)
 Origins Laboratory**

pH in Soil by 9045D

pH	6.29			pH Units	1	5K17053	11/17/2025	11/19/2025	
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SAR by 20B Saturated Paste

SAR	0.765		0.0100	SAR	1	5K17046	"	11/19/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.109		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
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Table 915 metals by EPA 6020B

Arsenic	4.11		0.245	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	255		69.0	"	"	"	"	"	
Cadmium	ND		0.320	"	"	"	"	"	U
Copper	ND		38.7	"	"	"	"	"	U
Lead	19.1		11.8	"	"	"	"	"	
Nickel	ND		21.9	"	"	"	"	"	U
Selenium	0.313		0.207	"	"	"	"	"	
Silver	ND		0.673	"	"	"	"	"	U
Zinc	ND		311	"	"	"	"	"	U

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 Project: Gunnison Soil

ALLEN WH
11/14/2025 2:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-04 (Soil)									
Enthalpy Analytical									
Percent Solids									
Percent Solids	79.2	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
Total Metals by SW7199									
Chromium, Hexavalent	0.31	0.10	0.25	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.153		0.126	mg/L dry	1	5K17039	11/17/2025	11/19/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		31.8	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		127	"	"	"	"	"	U
Surrogate: o-Terphenyl	103 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0007	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.003	"	"	"	"	"	U
Benzene	ND	0.0006	0.003	"	"	"	"	"	U

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11/14/2025 2:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-04 (Soil)									
Origins Laboratory									
GBTEX+TMBs by 8260D									
Ethylbenzene	ND	0.0006	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0008	0.003	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.003	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.096	0.050	0.256	"	"	"	"	"	J
Surrogate: 1,2-Dichloroethane-d4	84.5 %				70-130	"	"	"	
Surrogate: Toluene-d8	101 %				70-130	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %				70-130	"	"	"	
Metals by Saturated Paste by EPA 6010									
Calcium	0.826		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.09		0.435	"	"	"	"	"	
PAH by EPA 8270E extracted via 3580A									
1-Methylnaphthalene	ND		0.003	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.003	"	"	"	"	"	U
Acenaphthene	ND		0.026	"	"	"	"	"	U
Anthracene	ND		0.026	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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11/14/2025 2:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-04 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.026	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.026	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.026	"	"	"	"	"	U
Chrysene	ND		0.026	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.026	"	"	"	"	"	U
Fluoranthene	ND		0.026	"	"	"	"	"	U
Fluorene	ND		0.026	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.026	"	"	"	"	"	U
Naphthalene	ND		0.003	"	"	"	"	"	U
Pyrene	ND		0.026	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.1 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	105 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	79.2			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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11/14/2025 2:16:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-04 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	8.05			pH Units	1	5K17053	11/17/2025	11/19/2025	
SAR by 20B Saturated Paste									
SAR	2.79		0.0100	SAR	1	5K17046	"	11/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.324		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.79		0.241	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	131		68.1	"	"	"	"	"	
Cadmium	ND		0.316	"	"	"	"	"	U
Copper	ND		38.2	"	"	"	"	"	U
Lead	15.4		11.6	"	"	"	"	"	
Nickel	ND		21.6	"	"	"	"	"	U
Selenium	ND		0.204	"	"	"	"	"	U
Silver	ND		0.665	"	"	"	"	"	U
Zinc	ND		307	"	"	"	"	"	U

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ALLEN BG1
11/14/2025 3:03:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-05 (Soil)									
Enthalpy Analytical									
Percent Solids									
Percent Solids	80.4	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
Total Metals by SW7199									
Chromium, Hexavalent	ND	0.10	0.25	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	ND		1.24	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		31.1	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		124	"	"	"	"	"	U
Surrogate: o-Terphenyl	93.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0007	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

ALLEN BG1
11/14/2025 3:03:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-05 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.136	0.048	0.250	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	87.8 %			70-130		"	"	"	
Surrogate: Toluene-d8	100 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.55		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.003	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.003	"	"	"	"	"	U
Acenaphthene	ND		0.025	"	"	"	"	"	U
Anthracene	ND		0.025	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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11/14/2025 3:03:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-05 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.025	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.025	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.025	"	"	"	"	"	U
Chrysene	ND		0.025	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.025	"	"	"	"	"	U
Fluoranthene	ND		0.025	"	"	"	"	"	U
Fluorene	ND		0.025	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.025	"	"	"	"	"	U
Naphthalene	ND		0.003	"	"	"	"	"	U
Pyrene	ND		0.025	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.8 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.1 %			60-130		"	"	"	
Surrogate: Pyrene-d10	96.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	80.4			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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Hayden Wambach
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 Project: Gunnison Soil

ALLEN BG1
11/14/2025 3:03:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-05 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	6.58			pH Units	1	5K17053	11/17/2025	11/19/2025	
SAR by 20B Saturated Paste									
SAR	0.0759		0.0100	SAR	1	5K17046	"	11/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.240		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.82		0.249	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	278		70.3	"	"	"	"	"	
Cadmium	0.336		0.326	"	"	"	"	"	
Copper	ND		39.5	"	"	"	"	"	U
Lead	15.8		12.0	"	"	"	"	"	
Nickel	23.2		22.3	"	"	"	"	"	
Selenium	0.495		0.211	"	"	"	"	"	
Silver	ND		0.686	"	"	"	"	"	U
Zinc	ND		317	"	"	"	"	"	U

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Hayden Wambach
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 Project: Gunnison Soil

ALLEN BG2
11/14/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-06 (Soil)									
Enthalpy Analytical									
Percent Solids									
Percent Solids	74.6	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
Total Metals by SW7199									
Chromium, Hexavalent	0.22	0.11	0.27	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	Ja
Origins Laboratory									
Boron (DTPA Sorbitol)									
(DTPA Sorbitol) Boron	0.200		0.133	mg/L dry	1	5K17039	11/17/2025	11/19/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		33.8	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		135	"	"	"	"	"	U
Surrogate: o-Terphenyl	94.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND	0.0007	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.003	"	"	"	"	"	U
Benzene	ND	0.0007	0.003	"	"	"	"	"	U

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ALLEN BG2
11/14/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-06 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0007	0.003	mg/kg dry	1	5K19026	11/19/2025	11/19/2025	U
Toluene	ND	0.0008	0.003	"	"	"	"	"	U
Xylenes, total	ND	0.0004	0.003	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.096	0.053	0.274	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	89.0 %			70-130		"	"	"	
Surrogate: Toluene-d8	101 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.719		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.003	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.003	"	"	"	"	"	U
Acenaphthene	ND		0.027	"	"	"	"	"	U
Anthracene	ND		0.027	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.007	"	"	"	"	"	U

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Hayden Wambach
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 Project: Gunnison Soil

ALLEN BG2
11/14/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-06 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.027	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.027	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.027	"	"	"	"	"	U
Chrysene	ND		0.027	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.027	"	"	"	"	"	U
Fluoranthene	ND		0.027	"	"	"	"	"	U
Fluorene	ND		0.027	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.027	"	"	"	"	"	U
Naphthalene	ND		0.003	"	"	"	"	"	U
Pyrene	ND		0.027	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.4 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.7 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	74.6			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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Hayden Wambach
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 Project: Gunnison Soil

ALLEN BG2
11/14/2025 2:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-06 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	7.06			pH Units	1	5K17053	11/17/2025	11/19/2025	
SAR by 20B Saturated Paste									
SAR	0.0521		0.0100	SAR	1	5K17046	"	11/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.108		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	5.50		0.266	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	307		75.1	"	"	"	"	"	
Cadmium	0.363		0.348	"	"	"	"	"	
Copper	ND		42.2	"	"	"	"	"	U
Lead	17.8		12.8	"	"	"	"	"	
Nickel	ND		23.8	"	"	"	"	"	U
Selenium	0.468		0.225	"	"	"	"	"	
Silver	ND		0.733	"	"	"	"	"	U
Zinc	ND		339	"	"	"	"	"	U

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Kayla Kenyon For Jen Pellegrini, Project Manager



TAQ Energy
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 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine WH
11/14/2025 4:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-07 (Soil)
Enthalpy Analytical

Percent Solids

Percent Solids	81.1	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
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Total Metals by SW7199

Chromium, Hexavalent	0.22	0.10	0.24	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	Ja
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Origins Laboratory

Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	ND		1.23	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		30.8	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		123	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.3 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine WH
11/14/2025 4:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-07 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.101	0.048	0.246	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	86.6 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.625		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.025	"	"	"	"	"	U
Anthracene	ND		0.025	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine WH
11/14/2025 4:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-07 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.025	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.025	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.025	"	"	"	"	"	U
Chrysene	ND		0.025	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.025	"	"	"	"	"	U
Fluoranthene	ND		0.025	"	"	"	"	"	U
Fluorene	ND		0.025	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.025	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.025	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.9 %			60-130		"	"	"	
Surrogate: Anthracene-d10	96.6 %			60-130		"	"	"	
Surrogate: Pyrene-d10	97.5 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	81.1			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine WH
11/14/2025 4:20:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-07 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	5.39			pH Units	1	5K17053	11/17/2025	11/19/2025	
SAR by 20B Saturated Paste									
SAR	1.03		0.0100	SAR	1	5K17046	"	11/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.119		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	4.03		0.244	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	180		68.9	"	"	"	"	"	
Cadmium	ND		0.319	"	"	"	"	"	U
Copper	ND		38.7	"	"	"	"	"	U
Lead	19.3		11.8	"	"	"	"	"	
Nickel	ND		21.9	"	"	"	"	"	U
Selenium	ND		0.207	"	"	"	"	"	U
Silver	ND		0.673	"	"	"	"	"	U
Zinc	ND		311	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine BG1
11/14/2025 3:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-08 (Soil)
Enthalpy Analytical

Percent Solids

Percent Solids	84.5	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
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Total Metals by SW7199

Chromium, Hexavalent	0.27	0.09	0.24	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	ND		1.19	mg/L dry	10	5K17039	11/19/2025	11/20/2025	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		29.5	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		118	"	"	"	"	"	U

Surrogate: o-Terphenyl	102 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
1,3,5-Trimethylbenzene	ND	0.0006	0.002	"	"	"	"	"	U
Benzene	ND	0.0006	0.002	"	"	"	"	"	U

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TAQ Energy
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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine BG1
11/14/2025 3:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-08 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.002	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
Toluene	ND	0.0007	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.002	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.092	0.047	0.241	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	90.7 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.8 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/17/2025	11/19/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.024	"	"	"	"	"	U
Anthracene	ND		0.024	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine BG1
11/14/2025 3:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-08 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.024	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.024	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.024	"	"	"	"	"	U
Chrysene	ND		0.024	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.024	"	"	"	"	"	U
Fluoranthene	ND		0.024	"	"	"	"	"	U
Fluorene	ND		0.024	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.024	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.024	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.6 %			60-130		"	"	"	
Surrogate: Anthracene-d10	95.0 %			60-130		"	"	"	
Surrogate: Pyrene-d10	96.9 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	122 %			60-130		"	"	"	

Percent Solids

Total Solids, Percent	84.5			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine BG1
11/14/2025 3:45:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5K0380-08 (Soil)									
Origins Laboratory									
pH in Soil by 9045D									
pH	6.81			pH Units	1	5K17053	11/17/2025	11/19/2025	
SAR by 20B Saturated Paste									
SAR	0.545		0.0100	SAR	1	5K17046	"	11/19/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.0964		0.00500	mmhos/cm	1	5K17053	"	11/19/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.94		0.237	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	280		66.8	"	"	"	"	"	
Cadmium	0.346		0.310	"	"	"	"	"	
Copper	ND		37.5	"	"	"	"	"	U
Lead	14.0		11.4	"	"	"	"	"	
Nickel	ND		21.2	"	"	"	"	"	U
Selenium	0.480		0.201	"	"	"	"	"	
Silver	ND		0.652	"	"	"	"	"	U
Zinc	ND		302	"	"	"	"	"	U

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Hayden Wambach
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 Project: Gunnison Soil

Cone Pine BG2
11/14/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-09 (Soil)
Enthalpy Analytical

Percent Solids

Percent Solids	80.0	0.10	0.10	%	1	BIK1037	11/17/2025	11/17/2025	
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Total Metals by SW7199

Chromium, Hexavalent	0.33	0.10	0.25	mg/kg dry	1	BIK1105	11/20/2025	11/22/2025	
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Origins Laboratory

Boron (DTPA Sorbitol)

(DTPA Sorbitol) Boron	ND		1.25	mg/L dry	10	5K18033	11/18/2025	11/21/2025	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		30.9	mg/kg dry	1	5K18018	11/18/2025	11/18/2025	U
Residual Range Organics (C28-C36)	ND		124	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.7 %			50-150		"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0007	0.003	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
1,3,5-Trimethylbenzene	ND	0.0007	0.003	"	"	"	"	"	U
Benzene	ND	0.0006	0.003	"	"	"	"	"	U

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Cone Pine BG2
11/14/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-09 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

Ethylbenzene	ND	0.0006	0.003	mg/kg dry	1	5K19026	11/19/2025	11/20/2025	U
Toluene	ND	0.0007	0.003	"	"	"	"	"	U
Xylenes, total	ND	0.0003	0.003	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.124	0.049	0.254	"	"	"	"	"	J

Surrogate: 1,2-Dichloroethane-d4	87.7 %			70-130		"	"	"	
Surrogate: Toluene-d8	99.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/18/2025	11/20/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.025	"	"	"	"	"	U
Anthracene	ND		0.025	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.006	"	"	"	"	"	U

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Hayden Wambach
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 Project: Gunnison Soil

Cone Pine BG2
11/14/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-09 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

Benzo (a) pyrene	ND		0.025	mg/kg dry	1	5K19059	11/19/2025	11/19/2025	U
Benzo (b) fluoranthene	ND		0.025	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.025	"	"	"	"	"	U
Chrysene	ND		0.025	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.025	"	"	"	"	"	U
Fluoranthene	ND		0.025	"	"	"	"	"	U
Fluorene	ND		0.025	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.025	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.025	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.2 %			60-130		"	"	"	
Surrogate: Anthracene-d10	95.8 %			60-130		"	"	"	
Surrogate: Pyrene-d10	95.8 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	131 %			60-130		"	"	"	S-04

Percent Solids

Total Solids, Percent	80.0			mass percent	1	5K17116	11/17/2025	11/17/2025	
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pH in Soil by 9045D

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Hayden Wambach
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 Project: Gunnison Soil

Cone Pine BG2
11/14/2025 4:01:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5K0380-09 (Soil)
Origins Laboratory

pH in Soil by 9045D

pH	6.16			pH Units	1	5K18039	11/18/2025	11/20/2025	
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SAR by 20B Saturated Paste

SAR	0.542		0.0100	SAR	1	5K18036	11/18/2025	11/20/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0431		0.00500	mmhos/cm	1	5K18039	11/18/2025	11/20/2025	
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Table 915 metals by EPA 6020B

Arsenic	4.58		0.234	mg/kg dry	10	5K17106	11/17/2025	11/19/2025	
Barium	407		66.1	"	"	"	"	"	
Cadmium	0.893		0.306	"	"	"	"	"	
Copper	ND		37.1	"	"	"	"	"	U
Lead	18.6		11.3	"	"	"	"	"	
Nickel	ND		21.0	"	"	"	"	"	U
Selenium	0.753		0.198	"	"	"	"	"	
Silver	ND		0.645	"	"	"	"	"	U
Zinc	ND		298	"	"	"	"	"	U

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Kayla Kenyon For Jen Pellegrini, Project Manager



TAQ Energy
 1101 S Huron St
 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

***** 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 5K17116 - % Solids

Duplicate (5K17116-DUP1)

Source: E5K0378-01

Prepared: 11/17/2025 Analyzed: 11/17/2025

Total Solids, Percent	85.3		mass percent		86.0		0.831		20	
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Duplicate (5K17116-DUP2)

Source: E5K0378-02

Prepared: 11/17/2025 Analyzed: 11/17/2025

Total Solids, Percent	87.2		mass percent		86.8		0.412		20	
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 Project: Gunnison Soil

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 5K17039 - DTPA Sorbitol Preparation

Blank (5K17039-BLK1)

Prepared: 11/17/2025 Analyzed: 11/19/2025

(DTPA Sorbitol) Boron ND 0.100 mg/L wet U

Duplicate (5K17039-DUP1)

Source: E5K0374-02

Prepared: 11/17/2025 Analyzed: 11/19/2025

(DTPA Sorbitol) Boron 0.397 0.133 mg/L dry 0.459 14.6 50

Batch 5K17046 - Saturated Paste Metals

Blank (5K17046-BLK1)

Prepared: 11/17/2025 Analyzed: 11/19/2025

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 (5K17046-DUP1)

Source: E5K0374-02

Prepared: 11/17/2025 Analyzed: 11/19/2025

Calcium PPM 113 10.0 mg/L 111 2.00 50

SAR ND 0.0100 SAR 6.00 200 U

Magnesium PPM 32.0 10.0 mg/L 30.6 4.70 50

Sodium PPM 309 10.0 " 276 11.1 50

Batch 5K18033 - DTPA Sorbitol Preparation

Blank (5K18033-BLK1)

Prepared: 11/19/2025 Analyzed: 11/20/2025

(DTPA Sorbitol) Boron ND 0.100 mg/L wet U

Duplicate (5K18033-DUP1)

Source: E5K0380-09

Prepared: 11/18/2025 Analyzed: 11/21/2025

(DTPA Sorbitol) Boron ND 1.25 mg/L dry ND 50 U

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 Project: Gunnison Soil

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 5K18036 - Saturated Paste Metals

Blank (5K18036-BLK1)

Prepared: 11/18/2025 Analyzed: 11/20/2025

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

Duplicate (5K18036-DUP1)

Source: E5K0380-09

Prepared: 11/18/2025 Analyzed: 11/20/2025

SAR	ND	0.0100	SAR	0.542				200		U
Calcium PPM	9.51	10.0	mg/L	1.75				138	50	QR-DUP , U
Magnesium PPM	13.9	10.0	"	ND					50	
Sodium PPM	3.91	10.0	"	2.98				27.0	50	U

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Hayden Wambach
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 Project: Gunnison Soil

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 5K19059 - EPA 3580

Blank (5K19059-BLK1)

Prepared: 11/19/2025 Analyzed: 11/19/2025

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		100	60-130			
Surrogate: Anthracene-d10	190		"	200		97.2	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		112	60-130			

LCS (5K19059-BS1)

Prepared: 11/19/2025 Analyzed: 11/19/2025

1-Methylnaphthalene	0.200	0.002	mg/kg wet	0.199		100	70-130			
2-Methylnaphthalene	0.199	0.002	"	0.199		99.9	70-130			
Acenaphthene	0.197	0.020	"	0.199		99.2	70-130			
Anthracene	0.181	0.020	"	0.199		91.1	70-130			
Benzo (a) anthracene	0.190	0.005	"	0.199		95.7	70-130			
Benzo (a) pyrene	0.211	0.020	"	0.199		106	70-130			

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

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 5K19059 - EPA 3580

LCS (5K19059-BS1)

Prepared: 11/19/2025 Analyzed: 11/19/2025

Benzo (b) fluoranthene	0.204	0.020	mg/kg wet	0.199		103	70-130			
Benzo (k) fluoranthene	0.220	0.020	"	0.199		111	70-130			
Chrysene	0.186	0.020	"	0.199		93.6	70-130			
Dibenz (a,h) anthracene	0.202	0.020	"	0.199		102	70-130			
Fluoranthene	0.192	0.020	"	0.199		96.4	70-130			
Fluorene	0.198	0.020	"	0.199		99.7	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.199		101	70-130			
Naphthalene	0.199	0.002	"	0.199		100	70-130			
Pyrene	0.181	0.020	"	0.199		91.3	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		98.5	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		113	60-130			

Matrix Spike (5K19059-MS1)

Source: E5K0380-01

Prepared: 11/19/2025 Analyzed: 11/19/2025

1-Methylnaphthalene	0.237	0.003	mg/kg dry	0.256	ND	92.8	70-130			
2-Methylnaphthalene	0.237	0.003	"	0.256	ND	92.6	70-130			
Acenaphthene	0.232	0.026	"	0.256	ND	90.8	70-130			
Anthracene	0.231	0.026	"	0.256	ND	90.4	70-130			
Benzo (a) anthracene	0.236	0.006	"	0.256	ND	92.4	70-130			
Benzo (a) pyrene	0.241	0.026	"	0.256	0.002	93.8	70-130			
Benzo (b) fluoranthene	0.243	0.026	"	0.256	0.001	94.5	70-130			
Benzo (k) fluoranthene	0.246	0.026	"	0.256	ND	96.3	70-130			
Chrysene	0.214	0.026	"	0.256	0.0009	83.4	70-130			
Dibenz (a,h) anthracene	0.245	0.026	"	0.256	0.002	95.2	70-130			
Fluoranthene	0.233	0.026	"	0.256	ND	91.1	70-130			
Fluorene	0.237	0.026	"	0.256	0.001	92.2	70-130			

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Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

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 5K19059 - EPA 3580

Matrix Spike (5K19059-MS1)		Source: E5K0380-01			Prepared: 11/19/2025 Analyzed: 11/19/2025					
Indeno (1,2,3-cd) pyrene	0.256	0.026	mg/kg dry	0.256	0.002	99.6	70-130			
Naphthalene	0.238	0.003	"	0.256	ND	93.1	70-130			
Pyrene	0.217	0.026	"	0.256	ND	85.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.1	60-130			
Surrogate: Anthracene-d10	190		"	200		97.4	60-130			
Surrogate: Pyrene-d10	200		"	200		99.4	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		111	60-130			

Matrix Spike Dup (5K19059-MSD1)		Source: E5K0380-01			Prepared: 11/19/2025 Analyzed: 11/19/2025					
1-Methylnaphthalene	0.252	0.003	mg/kg dry	0.256	ND	98.5	70-130	6.08	20	
2-Methylnaphthalene	0.253	0.003	"	0.256	ND	98.8	70-130	6.67	20	
Acenaphthene	0.251	0.026	"	0.256	ND	98.3	70-130	7.94	20	
Anthracene	0.240	0.026	"	0.256	ND	93.7	70-130	3.64	20	
Benzo (a) anthracene	0.251	0.006	"	0.256	ND	97.9	70-130	5.90	20	
Benzo (a) pyrene	0.259	0.026	"	0.256	0.002	101	70-130	6.98	20	
Benzo (b) fluoranthene	0.249	0.026	"	0.256	0.001	96.6	70-130	2.31	20	
Benzo (k) fluoranthene	0.272	0.026	"	0.256	ND	106	70-130	9.84	20	
Chrysene	0.242	0.026	"	0.256	0.0009	94.3	70-130	12.3	20	
Dibenz (a,h) anthracene	0.256	0.026	"	0.256	0.002	99.5	70-130	4.50	20	
Fluoranthene	0.246	0.026	"	0.256	ND	96.0	70-130	5.35	20	
Fluorene	0.256	0.026	"	0.256	0.001	99.6	70-130	7.85	20	
Indeno (1,2,3-cd) pyrene	0.282	0.026	"	0.256	0.002	110	70-130	9.60	20	
Naphthalene	0.255	0.003	"	0.256	ND	99.6	70-130	6.83	20	
Pyrene	0.239	0.026	"	0.256	ND	93.4	70-130	9.54	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.4	60-130			
Surrogate: Pyrene-d10	200		"	200		99.8	60-130			

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 Project: Gunnison Soil

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 5K19059 - EPA 3580

Matrix Spike Dup (5K19059-MSD1)

Source: E5K0380-01

Prepared: 11/19/2025 Analyzed: 11/19/2025

Surrogate: Benzo (a) pyrene-d12	220		ug/kg	200	109		60-130			
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Kayla Kenyon For Jen Pellegrini, Project Manager



TAQ Energy
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Hayden Wambach
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 Project: Gunnison Soil

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 5K18018 - EPA 3550B

Blank (5K18018-BLK1)

Prepared: 11/18/2025 Analyzed: 11/18/2025

Diesel (C10-C28)	ND	25.1	mg/kg wet							U
Residual Range Organics (C28-C36)	ND	100	"							U

Surrogate: o-Terphenyl

25	"	24.9	101	50-150
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LCS (5K18018-BS1)

Prepared: 11/18/2025 Analyzed: 11/18/2025

Diesel (C10-C28)	906	50.1	mg/kg wet	1000	90.4	70-130
Residual Range Organics (C28-C36)	1000	200	"	1000	100	70-130

Surrogate: o-Terphenyl

44	"	49.8	88.1	50-150
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Matrix Spike (5K18018-MS1)

Source: E5K0362-01

Prepared: 11/18/2025 Analyzed: 11/18/2025

Diesel (C10-C28)	811	49.5	mg/kg wet	990	ND	81.9	70-130
Residual Range Organics (C28-C36)	810	198	"	990	ND	81.8	70-130

Surrogate: o-Terphenyl

40	"	49.3	82.1	50-150
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Matrix Spike Dup (5K18018-MSD1)

Source: E5K0362-01

Prepared: 11/18/2025 Analyzed: 11/18/2025

Diesel (C10-C28)	854	50.2	mg/kg wet	1000	ND	85.0	70-130	5.10	35
Residual Range Organics (C28-C36)	936	201	"	1000	ND	93.3	70-130	14.5	35

Surrogate: o-Terphenyl

39	"	49.9	77.3	50-150
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 Project: Gunnison Soil

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 5K17106 - EPA 3050B

Blank (5K17106-BLK1)

Prepared: 11/17/2025 Analyzed: 11/19/2025

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 (5K17106-BS1)

Prepared: 11/17/2025 Analyzed: 11/19/2025

Arsenic	5.34	0.218	mg/kg wet	5.00		107	80-120			
Barium	478	61.5	"	500		95.7	80-120			
Cadmium	4.99	0.285	"	5.00		99.9	80-120			
Copper	49.9	34.5	"	50.0		99.8	80-120			
Lead	5.12	10.5	"	5.00		102	80-120			U
Nickel	5.05	19.5	"	5.00		101	80-120			U
Selenium	5.33	0.184	"	5.00		107	80-120			
Silver	4.82	0.600	"	5.00		96.4	80-120			
Zinc	50.8	278	"	50.0		102	80-120			U

Matrix Spike (5K17106-MS1)

Source: E5K0380-01

Prepared: 11/17/2025 Analyzed: 11/19/2025

Arsenic	9.12	0.240	mg/kg dry	5.51	3.52	102	75-125			
Barium	833	67.7	"	551	378	82.7	75-125			
Cadmium	6.17	0.314	"	5.51	0.0594	111	75-125			
Copper	81.9	38.0	"	55.1	22.0	109	75-125			
Lead	22.1	11.6	"	5.51	16.8	95.7	75-125			

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 Project: Gunnison Soil

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 5K17106 - EPA 3050B

Matrix Spike (5K17106-MS1)

Source: E5K0380-01

Prepared: 11/17/2025 Analyzed: 11/19/2025

Nickel	15.8	21.5	mg/kg dry	5.51	9.40	116	75-125			U
Selenium	6.95	0.203	"	5.51	1.29	103	75-125			
Silver	6.01	0.661	"	5.51	0.0454	108	75-125			
Zinc	151	306	"	55.1	97.4	96.9	75-125			U

Matrix Spike Dup (5K17106-MSD1)

Source: E5K0380-01

Prepared: 11/17/2025 Analyzed: 11/19/2025

Arsenic	9.97	0.241	mg/kg dry	5.52	3.52	117	75-125	8.88	20	
Barium	1510	67.9	"	552	378	205	75-125	57.8	20	QM-07, QR-DUP
Cadmium	6.73	0.315	"	5.52	0.0594	121	75-125	8.59	20	
Copper	89.9	38.1	"	55.2	22.0	123	75-125	9.32	20	
Lead	26.3	11.6	"	5.52	16.8	171	75-125	17.3	20	QM-4X
Nickel	16.2	21.5	"	5.52	9.40	124	75-125	2.58	20	U
Selenium	7.84	0.204	"	5.52	1.29	119	75-125	12.0	20	
Silver	6.56	0.663	"	5.52	0.0454	118	75-125	8.75	20	
Zinc	164	306	"	55.2	97.4	120	75-125	8.22	20	U

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Hayden Wambach
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 Project: Gunnison Soil

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 5K17053 - Saturated Paste pH/EC

Blank (5K17053-BLK1)

Prepared: 11/17/2025 Analyzed: 11/19/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (5K17053-DUP1)

Source: E5K0374-02

Prepared: 11/17/2025 Analyzed: 11/19/2025

pH	7.98		pH Units		8.02			0.500	25	
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Specific Conductance (EC)	2.07	0.00500	mmhos/cm		1.96			5.63	25	
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Batch 5K18039 - Saturated Paste pH/EC

Blank (5K18039-BLK1)

Prepared: 11/18/2025 Analyzed: 11/20/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (5K18039-DUP1)

Source: E5K0380-09

Prepared: 11/18/2025 Analyzed: 11/20/2025

Specific Conductance (EC)	0.0582	0.00500	mmhos/cm		0.0431			29.8	25	QR-DUP
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pH	6.16		pH Units		6.16			0.00	25	
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Kayla Kenyon For Jen Pellegrini, Project Manager



TAQ Energy
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 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

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 5K19026 - EPA 5030 (soil)

Blank (5K19026-BLK1)

Prepared: 11/19/2025 Analyzed: 11/19/2025

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	0.10		"	0.125		81.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

LCS (5K19026-BS1)

Prepared: 11/19/2025 Analyzed: 11/19/2025

1,2,4-Trimethylbenzene	0.109	0.002	mg/kg wet	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.109	0.002	"	0.100		109	70-130			
Benzene	0.097	0.002	"	0.100		97.2	70-130			
Ethylbenzene	0.104	0.002	"	0.100		104	70-130			
Toluene	0.099	0.002	"	0.100		98.9	70-130			
o-Xylene	0.102	0.002	"	0.100		102	70-130			
m,p-Xylene	0.206	0.004	"	0.200		103	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Matrix Spike (5K19026-MS1)

Source: E5K0380-01

Prepared: 11/19/2025 Analyzed: 11/19/2025

1,2,4-Trimethylbenzene	0.117	0.003	mg/kg dry	0.126	ND	92.9	70-130			
1,3,5-Trimethylbenzene	0.117	0.003	"	0.126	ND	92.6	70-130			
Benzene	0.109	0.003	"	0.126	ND	86.5	70-130			

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 Denver CO 80223

Hayden Wambach
 Project Number: 1
 Project: Gunnison Soil

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5K19026 - EPA 5030 (soil)

Matrix Spike (5K19026-MS1)		Source: E5K0380-01			Prepared: 11/19/2025 Analyzed: 11/19/2025					
Ethylbenzene	0.111	0.003	mg/kg dry	0.126	ND	88.4	70-130			
Toluene	0.108	0.003	"	0.126	ND	86.1	70-130			
o-Xylene	0.113	0.003	"	0.126	ND	89.9	70-130			
m,p-Xylene	0.221	0.005	"	0.252	ND	87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.158		90.9	70-130			
Surrogate: Toluene-d8	0.15		"	0.158		94.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.158		98.2	70-130			

Matrix Spike Dup (5K19026-MSD1)		Source: E5K0380-01			Prepared: 11/19/2025 Analyzed: 11/19/2025					
1,2,4-Trimethylbenzene	0.116	0.003	mg/kg dry	0.130	ND	89.2	70-130	1.06	20	
1,3,5-Trimethylbenzene	0.116	0.003	"	0.130	ND	89.2	70-130	0.688	20	
Benzene	0.107	0.003	"	0.130	ND	82.0	70-130	2.24	20	
Ethylbenzene	0.109	0.003	"	0.130	ND	84.0	70-130	2.12	20	
Toluene	0.108	0.003	"	0.130	ND	83.3	70-130	0.250	20	
o-Xylene	0.110	0.003	"	0.130	ND	84.8	70-130	2.92	20	
m,p-Xylene	0.217	0.005	"	0.260	ND	83.4	70-130	2.22	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.162		88.9	70-130			
Surrogate: Toluene-d8	0.15		"	0.162		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.16		"	0.162		98.2	70-130			

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 Project: Gunnison Soil

**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 BIK1105 - No Prep IC-WET										
Blank (BIK1105-BLK1)										
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Chromium, Hexavalent	ND	0.005	mg/kg wet dry							
LCS (BIK1105-BS1)										
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg wet dry	0.0500		108	80-120			
LCS (BIK1105-BS2)										
					Prepared: 11/20/2025 Analyzed: 11/21/2025					
Chromium, Hexavalent	7.23	1.00	mg/kg wet dry	8.52		84.9	80-120			
Matrix Spike (BIK1105-MS1)										
			Source: 25K1600-01		Prepared: 11/20/2025 Analyzed: 11/22/2025					
Chromium, Hexavalent	2.70	0.23	mg/kg dry	2.35	0.10	111	75-125			
Matrix Spike Dup (BIK1105-MSD1)										
			Source: 25K1600-01		Prepared: 11/20/2025 Analyzed: 11/22/2025					
Chromium, Hexavalent	2.70	0.23	mg/kg dry	2.29	0.10	114	75-125	0.0329	20	

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Kayla Kenyon For Jen Pellegrini, Project Manager



TAQ Energy
1101 S Huron St
Denver CO 80223

Hayden Wambach
Project Number: 1
Project: Gunnison Soil

Notes and Definitions

- U Sample is Non-Detect.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- Ja The reported result is an estimated value.
- J Sample result was found between MDL and RL
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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Kayla Kenyon For Jen Pellegrini, Project Manager