

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 07, 2024

Karen Olson

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: PDC - Kodak 34-41,44,45 Tank Battery

Work Order #2409364

Enclosed are the results of analyses for samples received by Summit Scientific on 09/23/24 17:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

Jacob Wood For Paul Shrewsbury

President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

ANALYTICAL REPORT FOR SAMPLES


Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP01-FL@3'	2409364-01	Soil	09/23/24 10:02	09/23/24 17:40
SEP02-FL@3'	2409364-02	Soil	09/23/24 10:06	09/23/24 17:40
SEP01-DL@3'	2409364-03	Soil	09/23/24 13:20	09/23/24 17:40
SEP02-DL@3'	2409364-04	Soil	09/23/24 13:32	09/23/24 17:40
SEP03-DL@3'	2409364-05	Soil	09/23/24 13:33	09/23/24 17:40
DL01-01@3'	2409364-06	Soil	09/23/24 13:34	09/23/24 17:40
DL02-01@3'	2409364-07	Soil	09/23/24 13:35	09/23/24 17:40
DL03-01@3'	2409364-08	Soil	09/23/24 13:36	09/23/24 17:40

Case Narrative

Hunter Merlo requested SEP01-DL@3' be taken off hold for the full Table 915 on 10/1/2024.
This report includes those results.

This is a revision of the report originally sent on 10/1/2024 at 08:08 MT.

Summit Scientific



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4653 Table Mountain Drive
 Golden, CO 80403
 303-277-9310

Lab ID	Page 1 of 1
2469364	

Client: PDC / Tasman		Send Data To: Project Manager: Karen Olson		Send Invoice To: Company: PDC Energy	
Address: 6855 W 119th Ave		E-Mail: karen.olson@chevron.com		Project Name/Location: KODAK 34-41, 44, 45	
City/State/Zip: Broomfield / CO / 80220				AFE#: PX-900799	
Phone: 303-487-1228		Project Name: KODAK 34-41, 44, 45 TANK		PO/Billing Codes:	
Sampler Name: Shannon Walrus		Project Number: better1		Contact: Karen Olson Debra Pace	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil		Other	NOG-015	TPH-015	PAH-015	PH, EC, SAR	BOXON-015	
1	SEP01 - FL @ 3'	9/23/24	10:02	3			X			X		X	X	X	X	X		
2	SEP02 - FL @ 3'		10:06															
3	SEP01 - DL @ 3'	sw	13:20	sw														sw
4	SEP02 - DL @ 3'		13:32															
5	SEP03 - DL @ 3'		13:33															
6	DL01 - 01 @ 3'		13:34															
7	DL02 - 01 @ 3'		13:35															
8	DL03 - 01 @ 3'	↓	13:36	↓								↓	↓	↓	↓	↓	↓	
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Relinquished by: Shannon Walrus	Date/Time: 9/23/24 16:00	Received by: Tasman 10th box	Date/Time: 9/23/24 16:00	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: Tasman Olson	Date/Time: 9/23/24 17:40	Received by: [Signature]	Date/Time: 9/23/24 17:40	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 84	Corrected Temperature: 8	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2409364

Client: Doc Tauman Client Project ID: Kodak 34-41, 44, 45 Tank Battery

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

-

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>and CE</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

9/23/24
Date/Time



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP01-FL@3'
2409364-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0237	59.2 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	99.9 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.4 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	8.21	65.7 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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SEP01-FL@3'
2409364-01 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0187	56.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0222	66.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
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Reported:
10/07/24 12:47

SEP01-FL@3'
2409364-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.13	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B
Barium	53.5	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	4.04	0.400	"	"	"	"	"	"
Lead	3.98	0.200	"	"	"	"	"	"
Nickel	4.02	0.400	"	"	"	"	"	"
Silver	0.423	0.0200	"	"	"	"	"	"
Zinc	16.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	74.8	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	17.6	0.0500	"	"	"	"	"	"	
Sodium	2.33	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0630	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Project: PDC - Kodak 34-41,44,45 Tank Battery

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Reported:
10/07/24 12:47

SEP01-FL@3'
2409364-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.0		%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.262	0.0100	mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 10:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.39		pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

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Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-FL@3'
2409364-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0222	55.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0393	98.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.11	64.8 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: PDC - Kodak 34-41,44,45 Tank Battery

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10/07/24 12:47

SEP02-FL@3'
2409364-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0203	61.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0235	70.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
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Reported:
10/07/24 12:47

SEP02-FL@3'
2409364-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.33	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	46.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.49	0.400	"	"	"	"	"	"	
Lead	4.12	0.200	"	"	"	"	"	"	
Nickel	4.39	0.400	"	"	"	"	"	"	
Silver	0.0469	0.0200	"	"	"	"	"	"	
Zinc	15.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	115	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	19.2	0.0500	"	"	"	"	"	"	
Sodium	2.05	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0466	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-FL@3'
2409364-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.6		%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.255	0.0100	mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 10:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.23		pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP01-DL@3'
2409364-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHJ0111	10/02/24	10/03/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.021	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.89	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0400	100 %		50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0400	100 %		50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0443	111 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	150	50		mg/kg	1	BHJ0112	10/02/24	10/05/24	EPA 8015M	
C28-C36 (ORO)	62	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: o-Terphenyl</i>	9.88	79.0 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP01-DL@3'
2409364-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHJ0060	10/02/24	10/03/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	0.00611	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0770	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.00550	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0200	60.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0225	67.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHJ0083	10/02/24	10/05/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP01-DL@3'
2409364-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.64	0.200	mg/kg dry	1	BHJ0142	10/03/24	10/05/24	EPA 6020B	
Barium	28.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.75	0.400	"	"	"	"	"	"	
Lead	2.96	0.200	"	"	"	"	"	"	
Nickel	2.83	0.400	"	"	"	"	"	"	
Silver	0.0207	0.0200	"	"	"	"	"	"	
Zinc	10.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHJ0153	10/03/24	10/03/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	60.6	0.0500	mg/L dry	1	BHJ0105	10/02/24	10/04/24	EPA 6020B	
Magnesium	9.40	0.0500	"	"	"	"	"	"	
Sodium	17.4	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.549	0.00100	units	1	BHJ0245	10/06/24	10/06/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP01-DL@3'
2409364-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	92.0			%	1	BHJ0065	10/02/24	10/02/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.177	0.0100		mmhos/cm	1	BHJ0106	10/02/24	10/03/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.56			pH Units	1	BHJ0107	10/02/24	10/03/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-DL@3'
2409364-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0218	54.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0407	102 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.2 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.82	62.5 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-DL@3'
2409364-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0516	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.0123	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0223	67.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0263	78.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-DL@3'
2409364-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.00	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	61.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	5.67	0.400	"	"	"	"	"	"	
Lead	5.64	0.200	"	"	"	"	"	"	
Nickel	7.68	0.400	"	"	"	"	"	"	
Silver	0.128	0.0200	"	"	"	"	"	"	
Zinc	19.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	80.6	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	12.6	0.0500	"	"	"	"	"	"	
Sodium	4.76	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.130	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP02-DL@3'
2409364-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.1		%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.162	0.0100	mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.52		pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP03-DL@3'
2409364-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.017	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.037	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.5	0.50	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0191	47.8 %	50-150		"	"	"	"	S-04
Surrogate: Toluene-d8	0.0417	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	630	50	mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	130	50	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.77	70.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP03-DL@3'
2409364-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	0.0109	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0656	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.00842	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0227	68.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0241	72.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP03-DL@3'
2409364-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.14	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	44.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.14	0.400	"	"	"	"	"	"	
Lead	4.36	0.200	"	"	"	"	"	"	
Nickel	4.09	0.400	"	"	"	"	"	"	
Silver	0.134	0.0200	"	"	"	"	"	"	
Zinc	16.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1530	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	181	0.0500	"	"	"	"	"	"	
Sodium	34.3	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.221	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

SEP03-DL@3'
2409364-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	85.3			%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.333	0.0100		mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:33**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.54			pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL01-01@3'
2409364-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0211	52.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0404	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0385	96.3 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	8.02	64.1 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL01-01@3'
2409364-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0184	55.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0223	66.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL01-01@3'
2409364-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.53	0.181	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	44.6	0.362	"	"	"	"	"	"	
Cadmium	ND	0.181	"	"	"	"	"	"	
Copper	5.03	0.362	"	"	"	"	"	"	
Lead	4.93	0.181	"	"	"	"	"	"	
Nickel	4.32	0.362	"	"	"	"	"	"	
Silver	0.181	0.0181	"	"	"	"	"	"	
Zinc	16.2	0.362	"	"	"	"	"	"	
Selenium	ND	0.236	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1710	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	176	0.0500	"	"	"	"	"	"	
Sodium	5.09	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0313	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL01-01@3'
2409364-06 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.5		%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.234	0.0100	mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

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Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL02-01@3'
2409364-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0207	51.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	102 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.2 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.93	63.4 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL02-01@3'
2409364-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0137	41.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0154	46.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL02-01@3'
2409364-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.21	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	65.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.82	0.400	"	"	"	"	"	"	
Lead	6.32	0.200	"	"	"	"	"	"	
Nickel	5.22	0.400	"	"	"	"	"	"	
Silver	0.480	0.0200	"	"	"	"	"	"	
Zinc	20.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	144	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	18.3	0.0500	"	"	"	"	"	"	
Sodium	5.81	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.121	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL02-01@3'
2409364-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	88.3			%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.216	0.0100		mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.37			pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL03-01@3'
2409364-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHI0892	09/25/24	09/28/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0207	51.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0408	102 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0397	99.2 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHI0894	09/25/24	09/28/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	6.89	55.1 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL03-01@3'
2409364-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHI0854	09/25/24	09/25/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0210	62.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0256	76.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHI0805	09/24/24	09/25/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL03-01@3'
2409364-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.63	0.200	mg/kg dry	1	BHI0869	09/25/24	09/26/24	EPA 6020B	
Barium	35.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.73	0.400	"	"	"	"	"	"	
Lead	3.68	0.200	"	"	"	"	"	"	
Nickel	3.82	0.400	"	"	"	"	"	"	
Silver	0.181	0.0200	"	"	"	"	"	"	
Zinc	15.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHI0957	09/26/24	09/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	165	0.0500	mg/L dry	1	BHI0904	09/25/24	09/26/24	EPA 6020B	
Magnesium	19.7	0.0500	"	"	"	"	"	"	
Sodium	11.2	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.219	0.00100	units	1	BHI1036	09/27/24	09/27/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

DL03-01@3'
2409364-08 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.7		%	1	BHI0863	09/25/24	09/25/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.237	0.0100	mmhos/cm	1	BHI0906	09/25/24	09/26/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **09/23/24 13:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.38		pH Units	1	BHI0905	09/25/24	09/26/24	EPA 9045D	

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Tasman Geosciences
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Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BHI0892 - EPA 5030 Soil MS

Blank (BHI0892-BLK1)

Prepared: 09/25/24 Analyzed: 09/28/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0391		"	0.0400		97.6	50-150			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.7	50-150			

LCS (BHI0892-BS1)

Prepared: 09/25/24 Analyzed: 09/28/24

Benzene	0.145	0.0020	mg/kg	0.150		96.9	70-130			
Toluene	0.156	0.0050	"	0.150		104	70-130			
Ethylbenzene	0.142	0.0050	"	0.150		95.0	70-130			
m,p-Xylene	0.283	0.010	"	0.300		94.3	70-130			
o-Xylene	0.150	0.0050	"	0.150		100	70-130			
1,2,4-Trimethylbenzene	0.131	0.0050	"	0.150		87.6	70-130			
1,3,5-Trimethylbenzene	0.135	0.0050	"	0.150		90.1	70-130			
Naphthalene	0.134	0.0038	"	0.150		89.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0348		"	0.0400		87.0	50-150			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400		97.4	50-150			

Matrix Spike (BHI0892-MS1)

Source: 2409347-01

Prepared: 09/25/24 Analyzed: 09/28/24

Benzene	0.134	0.0020	mg/kg	0.150	ND	89.1	70-130			
Toluene	0.144	0.0050	"	0.150	ND	95.8	70-130			
Ethylbenzene	0.142	0.0050	"	0.150	0.0167	83.8	70-130			
m,p-Xylene	0.311	0.010	"	0.300	0.0615	83.3	70-130			
o-Xylene	0.151	0.0050	"	0.150	0.0205	87.3	70-130			
1,2,4-Trimethylbenzene	0.107	0.0050	"	0.150	ND	71.3	70-130			
1,3,5-Trimethylbenzene	0.111	0.0050	"	0.150	ND	73.7	70-130			
Naphthalene	0.100	0.0038	"	0.150	ND	66.7	70-130			QM-05
Surrogate: 1,2-Dichloroethane-d4	0.0242		"	0.0400		60.4	50-150			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	50-150			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	50-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHI0892 - EPA 5030 Soil MS

Matrix Spike Dup (BHI0892-MSD1)

Source: 2409347-01

Prepared: 09/25/24 Analyzed: 09/28/24

Benzene	0.138	0.0020	mg/kg	0.150	ND	91.7	70-130	2.90	30	
Toluene	0.147	0.0050	"	0.150	ND	98.2	70-130	2.56	30	
Ethylbenzene	0.149	0.0050	"	0.150	0.0167	88.0	70-130	4.39	30	
m,p-Xylene	0.328	0.010	"	0.300	0.0615	88.8	70-130	5.21	30	
o-Xylene	0.156	0.0050	"	0.150	0.0205	90.4	70-130	3.02	30	
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.150	ND	76.0	70-130	6.30	30	
1,3,5-Trimethylbenzene	0.117	0.0050	"	0.150	ND	78.3	70-130	6.03	30	
Naphthalene	0.110	0.0038	"	0.150	ND	73.6	70-130	9.84	30	
Surrogate: 1,2-Dichloroethane-d4	0.0258		"	0.0400		64.6	50-150			
Surrogate: Toluene-d8	0.0400		"	0.0400		99.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400		97.8	50-150			

Batch BHJ0111 - EPA 5030 Soil MS

Blank (BHJ0111-BLK1)

Prepared: 10/02/24 Analyzed: 10/03/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0386		"	0.0400		96.6	50-150			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.3	50-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHJ0111 - EPA 5030 Soil MS

LCS (BHJ0111-BS1)

Prepared: 10/02/24 Analyzed: 10/03/24

Benzene	0.0963	0.0020	mg/kg	0.100		96.3	70-130			
Toluene	0.0971	0.0050	"	0.100		97.1	70-130			
Ethylbenzene	0.0966	0.0050	"	0.100		96.6	70-130			
m,p-Xylene	0.195	0.010	"	0.200		97.7	70-130			
o-Xylene	0.0976	0.0050	"	0.100		97.6	70-130			
1,2,4-Trimethylbenzene	0.0931	0.0050	"	0.100		93.1	70-130			
1,3,5-Trimethylbenzene	0.0948	0.0050	"	0.100		94.8	70-130			
Naphthalene	0.0865	0.0038	"	0.100		86.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	50-150			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	50-150			
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0400		97.5	50-150			

Matrix Spike (BHJ0111-MS1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/03/24

Benzene	0.0904	0.0020	mg/kg	0.100	ND	90.4	70-130			
Toluene	0.0867	0.0050	"	0.100	ND	86.7	70-130			
Ethylbenzene	0.0823	0.0050	"	0.100	ND	82.3	70-130			
m,p-Xylene	0.160	0.010	"	0.200	ND	80.0	70-130			
o-Xylene	0.0861	0.0050	"	0.100	ND	86.1	70-130			
1,2,4-Trimethylbenzene	0.0658	0.0050	"	0.100	ND	65.8	70-130			QM-05
1,3,5-Trimethylbenzene	0.105	0.0050	"	0.100	0.0209	84.0	70-130			
Naphthalene	0.0768	0.0038	"	0.100	ND	76.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0381		"	0.0400		95.2	50-150			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	50-150			
Surrogate: 4-Bromofluorobenzene	0.0473		"	0.0400		118	50-150			

Matrix Spike Dup (BHJ0111-MSD1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/03/24

Benzene	0.0921	0.0020	mg/kg	0.100	ND	92.1	70-130	1.84	30	
Toluene	0.0873	0.0050	"	0.100	ND	87.3	70-130	0.655	30	
Ethylbenzene	0.0780	0.0050	"	0.100	ND	78.0	70-130	5.32	30	
m,p-Xylene	0.151	0.010	"	0.200	ND	75.5	70-130	5.83	30	
o-Xylene	0.0830	0.0050	"	0.100	ND	83.0	70-130	3.62	30	
1,2,4-Trimethylbenzene	0.0606	0.0050	"	0.100	ND	60.6	70-130	8.25	30	QM-05
1,3,5-Trimethylbenzene	0.103	0.0050	"	0.100	0.0209	81.6	70-130	2.37	30	
Naphthalene	0.0615	0.0038	"	0.100	ND	61.5	70-130	22.1	30	QM-05
Surrogate: 1,2-Dichloroethane-d4	0.0399		"	0.0400		99.8	50-150			
Surrogate: Toluene-d8	0.0406		"	0.0400		102	50-150			
Surrogate: 4-Bromofluorobenzene	0.0468		"	0.0400		117	50-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHI0894 - EPA 3550A

Blank (BHI0894-BLK1)

Prepared: 09/25/24 Analyzed: 09/28/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	12.8		"	12.5		103	30-150			

LCS (BHI0894-BS1)

Prepared: 09/25/24 Analyzed: 09/28/24

C10-C28 (DRO)	437	50	mg/kg	500		87.4	70-130			
Surrogate: <i>o</i> -Terphenyl	11.9		"	12.5		95.4	30-150			

Matrix Spike (BHI0894-MS1)

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/28/24

C10-C28 (DRO)	495	50	mg/kg	500	ND	98.9	70-130			
Surrogate: <i>o</i> -Terphenyl	9.13		"	12.5		73.0	30-150			

Matrix Spike Dup (BHI0894-MSD1)

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/28/24

C10-C28 (DRO)	464	50	mg/kg	500	ND	92.8	70-130	6.42	20	
Surrogate: <i>o</i> -Terphenyl	9.20		"	12.5		73.6	30-150			

Batch BHJ0112 - EPA 3550A

Blank (BHJ0112-BLK1)

Prepared: 10/02/24 Analyzed: 10/05/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	13.5		"	12.5		108	30-150			

LCS (BHJ0112-BS1)

Prepared: 10/02/24 Analyzed: 10/05/24

C10-C28 (DRO)	590	50	mg/kg	500		118	70-130			
Surrogate: <i>o</i> -Terphenyl	13.9		"	12.5		111	30-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47


Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHJ0112 - EPA 3550A

Matrix Spike (BHJ0112-MS1)		Source: 2409364-03			Prepared: 10/02/24		Analyzed: 10/05/24				
C10-C28 (DRO)	923	50	mg/kg	500	153	154	70-130				QM-01
Surrogate: <i>o</i> -Terphenyl	11.3		"	12.5		90.7	30-150				
Matrix Spike Dup (BHJ0112-MSD1)		Source: 2409364-03			Prepared: 10/02/24		Analyzed: 10/05/24				
C10-C28 (DRO)	866	50	mg/kg	500	153	143	70-130	6.35	20		QM-01
Surrogate: <i>o</i> -Terphenyl	12.0		"	12.5		95.8	30-150				

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHI0854 - EPA 5030 Soil MS

Blank (BHI0854-BLK1)

Prepared & Analyzed: 09/25/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	0.0202		"	0.0333	60.5	40-150				
<i>Surrogate: Fluoranthene-d10</i>	0.0256		"	0.0333	76.9	40-150				

LCS (BHI0854-BS1)

Prepared & Analyzed: 09/25/24

Acenaphthene	0.0237	0.00500	mg/kg	0.0333	71.1	31-137				
Anthracene	0.0245	0.00500	"	0.0333	73.5	30-120				
Benzo (a) anthracene	0.0252	0.00500	"	0.0333	75.5	30-120				
Benzo (a) pyrene	0.0240	0.00500	"	0.0333	72.0	30-120				
Benzo (b) fluoranthene	0.0240	0.00500	"	0.0333	72.0	30-120				
Benzo (k) fluoranthene	0.0245	0.00500	"	0.0333	73.6	30-120				
Chrysene	0.0253	0.00500	"	0.0333	75.8	30-120				
Dibenz (a,h) anthracene	0.0307	0.00500	"	0.0333	92.1	30-120				
Fluoranthene	0.0246	0.00500	"	0.0333	73.9	30-120				
Fluorene	0.0251	0.00500	"	0.0333	75.2	30-120				
Indeno (1,2,3-cd) pyrene	0.0333	0.00500	"	0.0333	100	30-120				
Pyrene	0.0316	0.00500	"	0.0333	94.7	35-142				
1-Methylnaphthalene	0.0245	0.00500	"	0.0333	73.5	35-142				
2-Methylnaphthalene	0.0175	0.00500	"	0.0333	52.5	35-142				
<i>Surrogate: 2-Methylnaphthalene-d10</i>	0.0240		"	0.0333	72.0	40-150				
<i>Surrogate: Fluoranthene-d10</i>	0.0255		"	0.0333	76.6	40-150				

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHI0854 - EPA 5030 Soil MS

Matrix Spike (BHI0854-MS1)		Source: 2409363-01			Prepared & Analyzed: 09/25/24						
Acenaphthene	0.0194	0.00500	mg/kg	0.0333	ND	58.1	31-137				
Anthracene	0.0194	0.00500	"	0.0333	ND	58.3	30-120				
Benzo (a) anthracene	0.0207	0.00500	"	0.0333	ND	62.0	30-120				
Benzo (a) pyrene	0.0187	0.00500	"	0.0333	ND	56.2	30-120				
Benzo (b) fluoranthene	0.0193	0.00500	"	0.0333	ND	57.9	30-120				
Benzo (k) fluoranthene	0.0184	0.00500	"	0.0333	ND	55.3	30-120				
Chrysene	0.0191	0.00500	"	0.0333	ND	57.4	30-120				
Dibenz (a,h) anthracene	0.0181	0.00500	"	0.0333	ND	54.2	30-120				
Fluoranthene	0.0190	0.00500	"	0.0333	ND	56.9	30-120				
Fluorene	0.0192	0.00500	"	0.0333	ND	57.6	30-120				
Indeno (1,2,3-cd) pyrene	0.0288	0.00500	"	0.0333	ND	86.5	30-120				
Pyrene	0.0265	0.00500	"	0.0333	ND	79.6	35-142				
1-Methylnaphthalene	0.0186	0.00500	"	0.0333	ND	55.9	15-130				
2-Methylnaphthalene	0.0147	0.00500	"	0.0333	ND	44.2	15-130				
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0183</i>		<i>"</i>	<i>0.0333</i>		<i>54.9</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0190</i>		<i>"</i>	<i>0.0333</i>		<i>57.0</i>	<i>40-150</i>				

Matrix Spike Dup (BHI0854-MSD1)		Source: 2409363-01			Prepared & Analyzed: 09/25/24						
Acenaphthene	0.0235	0.00500	mg/kg	0.0333	ND	70.5	31-137	19.3	30		
Anthracene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	18.4	30		
Benzo (a) anthracene	0.0250	0.00500	"	0.0333	ND	75.0	30-120	18.9	30		
Benzo (a) pyrene	0.0227	0.00500	"	0.0333	ND	68.0	30-120	19.1	30		
Benzo (b) fluoranthene	0.0228	0.00500	"	0.0333	ND	68.5	30-120	16.8	30		
Benzo (k) fluoranthene	0.0212	0.00500	"	0.0333	ND	63.5	30-120	13.9	30		
Chrysene	0.0231	0.00500	"	0.0333	ND	69.2	30-120	18.7	30		
Dibenz (a,h) anthracene	0.0280	0.00500	"	0.0333	ND	83.9	30-120	43.1	30		QR-02
Fluoranthene	0.0226	0.00500	"	0.0333	ND	67.8	30-120	17.5	30		
Fluorene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	34.4	30		QR-02
Indeno (1,2,3-cd) pyrene	0.0268	0.00500	"	0.0333	ND	80.5	30-120	7.17	30		
Pyrene	0.0297	0.00500	"	0.0333	ND	89.1	35-142	11.2	30		
1-Methylnaphthalene	0.0247	0.00500	"	0.0333	ND	74.2	15-130	28.2	50		
2-Methylnaphthalene	0.0193	0.00500	"	0.0333	ND	58.0	15-130	26.9	50		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0252</i>		<i>"</i>	<i>0.0333</i>		<i>75.6</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0230</i>		<i>"</i>	<i>0.0333</i>		<i>68.9</i>	<i>40-150</i>				

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHJ0060 - EPA 5030 Soil MS

Blank (BHJ0060-BLK1)

Prepared: 10/02/24 Analyzed: 10/03/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0185</i>		"	<i>0.0333</i>		<i>55.6</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0260</i>		"	<i>0.0333</i>		<i>78.1</i>	<i>40-150</i>			

LCS (BHJ0060-BS1)

Prepared: 10/02/24 Analyzed: 10/03/24

Acenaphthene	0.0258	0.00500	mg/kg	0.0333		77.3	31-137			
Anthracene	0.0241	0.00500	"	0.0333		72.2	30-120			
Benzo (a) anthracene	0.0262	0.00500	"	0.0333		78.5	30-120			
Benzo (a) pyrene	0.0223	0.00500	"	0.0333		66.9	30-120			
Benzo (b) fluoranthene	0.0199	0.00500	"	0.0333		59.8	30-120			
Benzo (k) fluoranthene	0.0187	0.00500	"	0.0333		56.0	30-120			
Chrysene	0.0249	0.00500	"	0.0333		74.7	30-120			
Dibenz (a,h) anthracene	0.0326	0.00500	"	0.0333		97.8	30-120			
Fluoranthene	0.0244	0.00500	"	0.0333		73.3	30-120			
Fluorene	0.0267	0.00500	"	0.0333		80.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0330	0.00500	"	0.0333		99.1	30-120			
Pyrene	0.0276	0.00500	"	0.0333		82.7	35-142			
1-Methylnaphthalene	0.0237	0.00500	"	0.0333		71.2	35-142			
2-Methylnaphthalene	0.0286	0.00500	"	0.0333		85.7	35-142			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0245</i>		"	<i>0.0333</i>		<i>73.5</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0247</i>		"	<i>0.0333</i>		<i>74.2</i>	<i>40-150</i>			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHJ0060 - EPA 5030 Soil MS

Matrix Spike (BHJ0060-MS1)

Source: 2409479-01

Prepared: 10/02/24 Analyzed: 10/03/24

Acenaphthene	0.0215	0.00500	mg/kg	0.0333	ND	64.4	31-137			
Anthracene	0.0210	0.00500	"	0.0333	ND	63.0	30-120			
Benzo (a) anthracene	0.0227	0.00500	"	0.0333	ND	68.2	30-120			
Benzo (a) pyrene	0.0192	0.00500	"	0.0333	ND	57.6	30-120			
Benzo (b) fluoranthene	0.0167	0.00500	"	0.0333	ND	50.0	30-120			
Benzo (k) fluoranthene	0.0158	0.00500	"	0.0333	ND	47.4	30-120			
Chrysene	0.0210	0.00500	"	0.0333	ND	63.1	30-120			
Dibenz (a,h) anthracene	0.0292	0.00500	"	0.0333	ND	87.5	30-120			
Fluoranthene	0.0208	0.00500	"	0.0333	ND	62.5	30-120			
Fluorene	0.0236	0.00500	"	0.0333	ND	70.7	30-120			
Indeno (1,2,3-cd) pyrene	0.0275	0.00500	"	0.0333	ND	82.4	30-120			
Pyrene	0.0227	0.00500	"	0.0333	ND	68.1	35-142			
1-Methylnaphthalene	0.0212	0.00500	"	0.0333	ND	63.7	15-130			
2-Methylnaphthalene	0.0233	0.00500	"	0.0333	ND	69.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0192		"	0.0333		57.6	40-150			
Surrogate: Fluoranthene-d10	0.0211		"	0.0333		63.3	40-150			

Matrix Spike Dup (BHJ0060-MSD1)

Source: 2409479-01

Prepared: 10/02/24 Analyzed: 10/03/24

Acenaphthene	0.0242	0.00500	mg/kg	0.0333	ND	72.5	31-137	11.9	30
Anthracene	0.0236	0.00500	"	0.0333	ND	70.7	30-120	11.6	30
Benzo (a) anthracene	0.0253	0.00500	"	0.0333	ND	75.8	30-120	10.5	30
Benzo (a) pyrene	0.0216	0.00500	"	0.0333	ND	64.7	30-120	11.7	30
Benzo (b) fluoranthene	0.0189	0.00500	"	0.0333	ND	56.7	30-120	12.6	30
Benzo (k) fluoranthene	0.0173	0.00500	"	0.0333	ND	51.8	30-120	8.90	30
Chrysene	0.0231	0.00500	"	0.0333	ND	69.2	30-120	9.31	30
Dibenz (a,h) anthracene	0.0329	0.00500	"	0.0333	ND	98.7	30-120	12.0	30
Fluoranthene	0.0236	0.00500	"	0.0333	ND	70.8	30-120	12.5	30
Fluorene	0.0263	0.00500	"	0.0333	ND	78.9	30-120	11.0	30
Indeno (1,2,3-cd) pyrene	0.0308	0.00500	"	0.0333	ND	92.5	30-120	11.5	30
Pyrene	0.0243	0.00500	"	0.0333	ND	73.0	35-142	6.93	30
1-Methylnaphthalene	0.0211	0.00500	"	0.0333	ND	63.4	15-130	0.549	50
2-Methylnaphthalene	0.0238	0.00500	"	0.0333	ND	71.3	15-130	2.11	50
Surrogate: 2-Methylnaphthalene-d10	0.0198		"	0.0333		59.5	40-150		
Surrogate: Fluoranthene-d10	0.0245		"	0.0333		73.4	40-150		

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHI0805 - EPA 3050B

Blank (BHI0805-BLK1)

Prepared: 09/24/24 Analyzed: 09/25/24

Boron ND 2.00 mg/L

LCS (BHI0805-BS1)

Prepared: 09/24/24 Analyzed: 09/25/24

Boron 4.97 2.00 mg/L 5.00 99.5 80-120

Duplicate (BHI0805-DUP1)

Source: 2409337-01

Prepared: 09/24/24 Analyzed: 09/25/24

Boron 0.0380 2.00 mg/L 0.0503 28.0 20 QR-01

Matrix Spike (BHI0805-MS1)

Source: 2409337-01

Prepared: 09/24/24 Analyzed: 09/25/24

Boron 5.01 2.00 mg/L 4.96 0.0503 100 75-125

Matrix Spike Dup (BHI0805-MSD1)

Source: 2409337-01

Prepared: 09/24/24 Analyzed: 09/25/24

Boron 4.93 2.00 mg/L 4.96 0.0503 98.4 75-125 1.51 25

Batch BHJ0083 - EPA 3050B

Blank (BHJ0083-BLK1)

Prepared: 10/02/24 Analyzed: 10/05/24

Boron ND 2.00 mg/L

LCS (BHJ0083-BS1)

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 4.96 2.00 mg/L 5.00 99.3 80-120

Duplicate (BHJ0083-DUP1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 0.159 2.00 mg/L 0.177 11.0 20

Matrix Spike (BHJ0083-MS1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/05/24

Boron 4.85 2.00 mg/L 5.05 0.177 92.5 75-125

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

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

Batch BHJ0083 - EPA 3050B


Matrix Spike Dup (BHJ0083-MSD1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/05/24

Boron	5.20	2.00	mg/L	5.05	0.177	99.4	75-125	6.92	25	
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHI0869 - EPA 3050B

Blank (BHI0869-BLK1)

Prepared: 09/25/24 Analyzed: 09/26/24

Arsenic	ND	0.200	mg/kg wet								
Barium	ND	0.400	"								
Cadmium	ND	0.200	"								
Copper	ND	0.400	"								
Lead	ND	0.200	"								
Nickel	ND	0.400	"								
Silver	ND	0.0200	"								
Zinc	ND	0.400	"								
Selenium	ND	0.260	"								

LCS (BHI0869-BS1)

Prepared: 09/25/24 Analyzed: 09/26/24

Arsenic	39.3	0.200	mg/kg wet	36.8	107	80-120					
Barium	39.7	0.400	"	36.8	108	80-120					
Cadmium	2.03	0.200	"	1.84	110	80-120					
Copper	43.4	0.400	"	36.8	118	80-120					
Lead	19.6	0.200	"	18.4	107	80-120					
Nickel	42.9	0.400	"	36.8	117	80-120					
Silver	2.02	0.0200	"	1.84	110	80-120					
Zinc	42.5	0.400	"	36.8	116	80-120					
Selenium	0.492	0.260	"	3.68	13.4	80-120					QM-05

Duplicate (BHI0869-DUP1)

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/26/24

Arsenic	1.96	0.200	mg/kg dry	2.13	8.31	20					
Barium	43.8	0.400	"	53.5	19.8	20					
Cadmium	0.118	0.200	"	0.122	3.49	20					
Copper	3.44	0.400	"	4.04	15.8	20					
Lead	3.95	0.200	"	3.98	0.607	20					
Nickel	3.95	0.400	"	4.02	1.79	20					
Silver	0.124	0.0200	"	0.423	109	20					QR-01
Zinc	14.8	0.400	"	16.5	11.0	20					
Selenium	ND	0.260	"	ND		20					

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHI0869 - EPA 3050B

Matrix Spike (BHI0869-MS1)

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/26/24

Arsenic	44.9	0.200	mg/kg dry	43.1	2.13	99.3	75-125			
Barium	78.1	0.400	"	43.1	53.5	57.2	75-125			QM-05
Cadmium	2.32	0.200	"	2.15	0.122	102	75-125			
Copper	34.1	0.400	"	43.1	4.04	69.8	75-125			QM-05
Lead	25.0	0.200	"	21.5	3.98	97.6	75-125			
Nickel	34.9	0.400	"	43.1	4.02	71.6	75-125			QM-05
Silver	2.18	0.0200	"	2.15	0.423	81.5	75-125			
Zinc	45.1	0.400	"	43.1	16.5	66.5	75-125			QM-05
Selenium	5.06	0.260	"	4.31	ND	117	75-125			

Matrix Spike Dup (BHI0869-MSD1)

Source: 2409364-01

Prepared: 09/25/24 Analyzed: 09/26/24

Arsenic	47.9	0.200	mg/kg dry	42.7	2.13	107	75-125	6.55	25	
Barium	96.0	0.400	"	42.7	53.5	99.4	75-125	20.5	25	
Cadmium	2.70	0.200	"	2.14	0.122	121	75-125	15.1	25	
Copper	33.8	0.400	"	42.7	4.04	69.6	75-125	0.979	25	QM-05
Lead	28.7	0.200	"	21.4	3.98	116	75-125	13.8	25	
Nickel	34.4	0.400	"	42.7	4.02	71.1	75-125	1.42	25	QM-05
Silver	2.50	0.0200	"	2.14	0.423	97.2	75-125	13.8	25	
Zinc	46.5	0.400	"	42.7	16.5	70.2	75-125	3.01	25	QM-05
Selenium	5.42	0.260	"	4.27	ND	127	75-125	6.89	25	QM-05

Batch BHJ0142 - EPA 3050B

Blank (BHJ0142-BLK1)

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHJ0142 - EPA 3050B

LCS (BHJ0142-BS1)

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	37.0	0.200	mg/kg wet	38.8		95.5	80-120			
Barium	37.8	0.400	"	38.8		97.6	80-120			
Cadmium	1.95	0.200	"	1.94		101	80-120			
Copper	40.6	0.400	"	38.8		105	80-120			
Lead	18.8	0.200	"	19.4		96.9	80-120			
Nickel	40.0	0.400	"	38.8		103	80-120			
Silver	1.95	0.0200	"	1.94		101	80-120			
Zinc	40.6	0.400	"	38.8		105	80-120			
Selenium	3.64	0.260	"	3.88		94.0	80-120			

Duplicate (BHJ0142-DUP1)

Source: 2409364-03

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	2.02	0.200	mg/kg dry		2.64			26.6	20	QR-02
Barium	22.4	0.400	"		28.9			25.5	20	QR-02
Cadmium	0.0573	0.200	"		0.0781			30.8	20	QR-01
Copper	2.24	0.400	"		2.75			20.5	20	QR-01
Lead	2.38	0.200	"		2.96			21.7	20	QR-02
Nickel	2.18	0.400	"		2.83			26.1	20	QR-01
Silver	0.0108	0.0200	"		0.0207			63.0	20	QR-01
Zinc	8.82	0.400	"		10.8			20.4	20	QR-02
Selenium	ND	0.260	"		ND				20	

Matrix Spike (BHJ0142-MS1)

Source: 2409364-03

Prepared: 10/03/24 Analyzed: 10/05/24

Arsenic	40.3	0.200	mg/kg dry	40.9	2.64	92.1	75-125			
Barium	65.4	0.400	"	40.9	28.9	89.3	75-125			
Cadmium	2.13	0.200	"	2.04	0.0781	101	75-125			
Copper	33.0	0.400	"	40.9	2.75	73.9	75-125			QM-05
Lead	22.6	0.200	"	20.4	2.96	96.3	75-125			
Nickel	32.9	0.400	"	40.9	2.83	73.7	75-125			QM-05
Silver	2.01	0.0200	"	2.04	0.0207	97.3	75-125			
Zinc	41.6	0.400	"	40.9	10.8	75.3	75-125			
Selenium	3.49	0.260	"	4.09	ND	85.4	75-125			

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Total Metals by EPA 6020B - Quality Control


Summit Scientific

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

Batch BHJ0142 - EPA 3050B

Matrix Spike Dup (BHJ0142-MSD1)	Source: 2409364-03			Prepared: 10/03/24 Analyzed: 10/05/24							
Arsenic	38.3	0.180	mg/kg dry	39.1	2.64	91.1	75-125	5.12	25		
Barium	56.4	0.360	"	39.1	28.9	70.3	75-125	14.8	25		QM-05
Cadmium	1.96	0.180	"	1.96	0.0781	96.2	75-125	8.53	25		
Copper	32.9	0.360	"	39.1	2.75	77.0	75-125	0.267	25		
Lead	20.7	0.180	"	19.6	2.96	90.5	75-125	9.19	25		
Nickel	32.7	0.360	"	39.1	2.83	76.4	75-125	0.691	25		
Silver	1.86	0.0180	"	1.96	0.0207	93.8	75-125	7.95	25		
Zinc	39.8	0.360	"	39.1	10.8	74.2	75-125	4.33	25		QM-05
Selenium	3.55	0.234	"	3.91	ND	90.7	75-125	1.55	25		

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHI0957 - 3060A Mod

Blank (BHI0957-BLK1)											
Prepared: 09/26/24 Analyzed: 09/30/24											
Chromium, Hexavalent	ND	0.30	mg/kg wet								
LCS (BHI0957-BS1)											
Prepared: 09/26/24 Analyzed: 09/30/24											
Chromium, Hexavalent	26.8	0.30	mg/kg wet	25.0		107	80-120				
Duplicate (BHI0957-DUP1)											
Source: 2409364-01 Prepared: 09/26/24 Analyzed: 09/30/24											
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
Matrix Spike (BHI0957-MS1)											
Source: 2409364-01 Prepared: 09/26/24 Analyzed: 09/30/24											
Chromium, Hexavalent	31.2	0.30	mg/kg dry	27.8	ND	112	75-125				
Matrix Spike Dup (BHI0957-MSD1)											
Source: 2409364-01 Prepared: 09/26/24 Analyzed: 09/30/24											
Chromium, Hexavalent	29.0	0.30	mg/kg dry	27.8	ND	104	75-125	7.20		20	

Batch BHJ0153 - 3060A Mod

Blank (BHJ0153-BLK1)											
Prepared & Analyzed: 10/03/24											
Chromium, Hexavalent	ND	0.30	mg/kg wet								
LCS (BHJ0153-BS1)											
Prepared & Analyzed: 10/03/24											
Chromium, Hexavalent	26.4	0.30	mg/kg wet	25.0		106	80-120				
Duplicate (BHJ0153-DUP1)											
Source: 2409325-01 Prepared & Analyzed: 10/03/24											
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
Matrix Spike (BHJ0153-MS1)											
Source: 2409325-01 Prepared & Analyzed: 10/03/24											
Chromium, Hexavalent	33.7	0.30	mg/kg dry	32.1	ND	105	75-125				

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
 Project Manager: Karen Olson

Reported:
 10/07/24 12:47

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BHJ0153 - 3060A Mod

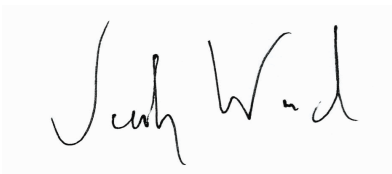
Matrix Spike Dup (BHJ0153-MSD1)

Source: 2409325-01

Prepared & Analyzed: 10/03/24

Chromium, Hexavalent	33.8	0.30	mg/kg dry	32.1	ND	105	75-125	0.380	20	
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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHI0904 - General Preparation

Blank (BHI0904-BLK1)

Prepared: 09/25/24 Analyzed: 09/26/24

Calcium	ND	0.0500	mg/L wet						
Magnesium	ND	0.0500	"						
Sodium	ND	0.0500	"						

LCS (BHI0904-BS1)

Prepared: 09/25/24 Analyzed: 09/26/24

Calcium	5.12	0.0500	mg/L wet	5.00	102	70-130
Magnesium	5.39	0.0500	"	5.00	108	70-130
Sodium	5.34	0.0500	"	5.00	107	70-130

Batch BHJ0105 - General Preparation

Blank (BHJ0105-BLK1)

Prepared: 10/02/24 Analyzed: 10/04/24

Calcium	ND	0.0500	mg/L wet			
Magnesium	ND	0.0500	"			
Sodium	ND	0.0500	"			

LCS (BHJ0105-BS1)

Prepared: 10/02/24 Analyzed: 10/04/24

Calcium	5.28	0.0500	mg/L wet	5.00	106	70-130
Magnesium	5.07	0.0500	"	5.00	101	70-130
Sodium	5.02	0.0500	"	5.00	100	70-130

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BHI0863 - General Preparation

Duplicate (BHI0863-DUP1)		Source: 2409364-01			Prepared & Analyzed: 09/25/24			
% Solids	91.6		%		90.0		1.75	20

Batch BHJ0065 - General Preparation

Duplicate (BHJ0065-DUP1)		Source: 2409364-03			Prepared & Analyzed: 10/02/24			
% Solids	89.7		%		92.0		2.53	20

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHI0906 - General Preparation

Blank (BHI0906-BLK1)

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHI0906-BS1)

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 95-105

Duplicate (BHI0906-DUP1)

Source: 2409357-01

Prepared: 09/25/24 Analyzed: 09/26/24

Specific Conductance (EC) 1.43 0.0100 mmhos/cm 1.43 0.140 20

Batch BHJ0106 - General Preparation

Blank (BHJ0106-BLK1)

Prepared: 10/02/24 Analyzed: 10/03/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHJ0106-BS1)

Prepared: 10/02/24 Analyzed: 10/03/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHJ0106-DUP1)

Source: 2409364-03

Prepared: 10/02/24 Analyzed: 10/03/24

Specific Conductance (EC) 0.175 0.0100 mmhos/cm 0.177 1.19 20

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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


Batch BHI0905 - General Preparation

LCS (BHI0905-BS1)										
					Prepared: 09/25/24 Analyzed: 09/26/24					
pH	9.19		pH Units	9.18	100	95-105				
Duplicate (BHI0905-DUP1)										
					Source: 2409357-01 Prepared: 09/25/24 Analyzed: 09/26/24					
pH	7.56		pH Units	7.59	0.396	20				

Batch BHJ0107 - General Preparation

LCS (BHJ0107-BS1)										
					Prepared: 10/02/24 Analyzed: 10/03/24					
pH	9.17		pH Units	9.18	99.9	95-105				
Duplicate (BHJ0107-DUP1)										
					Source: 2409364-03 Prepared: 10/02/24 Analyzed: 10/03/24					
pH	8.55		pH Units	8.56	0.117	20				

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Project: PDC - Kodak 34-41,44,45 Tank Battery

Project Number: [none]
Project Manager: Karen Olson

Reported:
10/07/24 12:47

Notes and Definitions

- S-04 A sample matrix effect prevented complete surrogate recovery.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference