South Dakota Spill Report Form

PRCF #: 8798 **Case #:** 2025.171

Reported (MM/DD/YY): 11/20/2025	Time: 10:53 AM (MDT)	Recorded By: Zachary Burggraff

A. REPORTER

Reported By: Jeremy Huot		
Organization Name: American Engineering Testing, Inc.	○ Discharger ◉ Public ○ State ○ Local ○ Federal	
Phone: (605) 3878-0029	Email: jhuot@teamAET.com	
Address: 1745 Samco Road		
City: Rapid City	State: SD	Zip: 57702

B. DISCHARGER (Responsible Party) ☐ As Above in A

Name: Stelmach Oil, Inc. (Matt Stelmach, President)		
Address: P.O. Box 636		
City: Hill City	State: SD	Zip: 57745
Phone: (605) 269-8970	Email: matt@stelmachoil.com	

C. INCIDENT DATE & LOCATION ☐ As Above In B

Spill Date: (MM/DD/YY) Unkown	Spill Time: Unknown		
Street or Approx. Location: 12300 West Highway 44 (Johnson Siding General Store)			
Survey Description: SW¼ SE¼ S31, T2S R6E (44.083733°, -103.438947°)			
City: Rapid City	County: Pennington	State: SD	Zip: 57702

D. MATERIAL

Material type (Code/Name): ☐ Hazardous Substance ☐ Oil ☐ Material Unknown ☐ Other	Quantity Spilled	Spilled in Water	Units (Check one)	
Petroleum Hydrocarbon Products			○ lb. ○ bbl.	○ gal. ○ oth.
			○ lb. ○ bbl.	○ gal. ○ oth.
			○ lb. ○ bbl.	○ gal. ○ oth.

E. SOURCE

Source of Spill: ☐ AST ☑ UST ☐ Railway ☐ Transport ☐ Fixed Facility ☐ Pipeline ☐ Highway ☐ Other

Description: Underground Storage Tank (UST) System(s)

Regulated Tank Facility: ☑ Tank Facility ID #: 02-00226

F. MEDIUM

Medium Affected: ☐ Air ☑ Land ☐ Water ☐ Groundwater ☐ Within Facilities Only

Waterway Affected: None directly; The flowpath of Rapid Creek almost encircles the site and ranges in distance from 420 feet to the west, 450 feet to the north, and 900 feet to the east

G. CAUSE

Reported Cause: ○ Transportation Accident ○ Operational Error ○ Dumping ○ Equipment Failure ○ Natural Phenomenon ○ Unknown ◉ Other

Description: Likely associated with the operation of multiple UST systems from at least 1978 until 2025

H. DAMAGES

# of Injuries: N/A	# of Fatalities: N/A

I. ACTIONS

Response Action Taken:

Three USTs (1 x 2k gal, 2 x 1k gal), product piping, and dispensers were removed; Approximately 7 tons of impacted soils were excavated from underneath the dispensers and transported to the Rapid City Landfill for proper disposal (October 13, 2025)

K. NOTIFIED

Responding Agency: ○ DANR ○ Local ○ Discharger ○ Federal ○ EPA ◉ Other

Agencies Notified: DANR

K. COMMENTS

Comments:

During removal activities, 13 soil samples were collected, screened with a PID, and subsequently submitted for laboratory analyses. Laboratory analytical results indicated measurable petroleum hydrocarbon concentrations in three soil samples collected from underneath the dispensers. Of these, two soil samples exceeded DANR Tier 1 Trigger Levels for Soils (2970 ppm TPH-D, 836 ppm TPH-G).
Petroleum impacts appear localized beneath the dispensers. Groundwater was not encountered. Rapid Creek surrounds the site in all directions except south, ranging from 420 feet to the west, 450 feet to the north, and 900 feet to the west. [See AET Report No. P-0047712]

Department of Agriculture and Natural Resources
Inspection, Compliance, and Remediation Program
523 East Capitol Avenue
Pierre, South Dakota 57501

Business Hours M – F 8:00-5:00 PM
Normal Business Hours- (605)773-3296
After Business Hours- (605) 773-3231

DEPARTMENT of AGRICULTURE and NATURAL RESOURCES
PO BOX 6221
221 MALL DRIVE, SUITE 201
RAPID CITY SD 57709-6221
danr.sd.gov

November 26, 2025

Matt Stelmach
Stelmach Oil, Inc.
P.O. Box 636
Hill City, SD 57745

Re: Department of Agriculture and Natural Resources File Number – 2025.171
Petroleum contamination at Johnson Siding (Facility ID #02-00226),
12300 West Highway 44, Rapid City, South Dakota.

Dear Mr. Stelmach:

The Department of Agriculture and Natural Resources (DANR) is contacting you regarding a report of petroleum contamination at 12300 West Highway 44, Rapid City, SD. Information from the report provided has been recorded on an initial spill report form, a copy of which is enclosed for your review. To mitigate the potential of adverse impacts to the state's groundwater resources, DANR has developed procedures for the assessment of petroleum contamination at a site such as this. As a result, DANR is requiring the following:

- By December 26, 2025, complete and return the enclosed Written Contamination Incident Follow-Up Report form (This is a standard form to be completed as applicable);
- Direct your consultant to develop a Tier 2 receptor survey and site assessment work plan (SAWP) to determine the magnitude and extent of petroleum contamination and evaluate the potential risk to sensitive human health and environmental receptors; and
- Provide a copy of the Tier 2 Receptor Survey and SAWP to DANR for review once received.

Zach Burggraff has been assigned as the project manager for this case. Once he has reviewed all available information, he will contact you to discuss any further actions that may be needed. If you have any questions or concerns, please contact him at (605) 394-2229. Thank you for your cooperation in this matter.

Sincerely,

Trish Kindt
Inspection, Compliance, and Remediation Program

Enclosure

cc/e: Jeremy Huot, American Engineering and Testing, Inc.
Dustin Willet, Pennington County Emergency Management
John McVey, Petroleum Release Compensation Fund

INCIDENT FOLLOW-UP REPORT

(Page 1 of 2)

DANR CASE FILE #: 2025.171

RETURN COMPLETED FORM TO:

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES (DANR)
INSPECTION, COMPLIANCE, AND REMEDIATION PROGRAM
JOE FOSS BUILDING
523 EAST CAPITOL AVENUE
PIERRE SD 57501-3182

NAME/TYPE OF PRODUCT SPILLED: Petroleum Hydrocarbon Products

TOTAL AMOUNT OF PRODUCT SPILLED: unknown

POUNDS OF ACTIVE INGREDIENT SPILLED (fertilizer/pesticide spills):

AMOUNT OF PRODUCT RECOVERED: 7 tons of impacted soil

WAS SURFACE WATER OR GROUND WATER IMPACTED BY THE SPILL?: No

SPILL DATE: 10/14/2025 * DATE CLEANUP OCCURRED: 11/13/2025

*discoved during tank removal

SPILL LOCATION (physical address, directions, distance to nearest intersection or landmark, etc.): 12300 West Hwy 44 Rapid City, SD SW1/4 SE1/4 S31, T2S R6E

LATITUDE/LONGITUDE: 44.083733°, -103.438947°

LAND USE (Residential, Commercial, Agricultural, Industrial, Other – describe): Commercial

RESPONSIBLE PARTY: Matthew Stelmach

MAILING ADDRESS: PO Box 636

CITY/STATE: Hill City, SD TELEPHONE NUMBER: 605-269-8970

PROPERTY OWNER: Hill City Convenience LLC

MAILING ADDRESS: PO Box 636

CITY/STATE: Hill City, SD TELEPHONE NUMBER: 605-269-8970

CONSULTANT / CLEANUP CONTRACTOR (if applicable): Lewton Trucking / AET

MAILING ADDRESS PO Box 672 / PO Box 1691 Minneapolis, MN

CITY/STATE: Sturgis, SD TELEPHONE NUMBER:

INSURANCE PROVIDER (if applicable): Federated Insurance

NAME OF INSURED: Hill City Convenience LLC/Stelmach Oil Inc

POLICY NUMBER: 1894301 CLAIM NUMBER:

MAILING ADDRESS: PO Box 95231

CITY/STATE: Chicago, IL TELEPHONE NUMBER: 888-333-4949

Original – DANR
Copy – Keep for your records.

INCIDENT FOLLOW-UP REPORT (Page 2 of 2)

DANR CASE FILE #: 2025.171

WAS SOIL EXCAVATED?: Yes DIMENSIONS OF EXCAVATION: ≈ 20ft x 40ft

CUBIC YARDS EXCAVATED: ≈ 4.7 cubic yards

DISPOSAL SITE (Name of Facility): City of Belle Fourche Landfill

DISPOSAL DATE: 11/13/25 ***If soil was disposed, attach copies of disposal receipts***

FERTILIZER/PESTICIDE SPILLS ONLY

WAS CONTAMINATED SOIL/MATERIAL LAND APPLIED?: _____

APPLICATION DATE _____ ***Requires DANR Pre-Approval***

WAS SPILL CONTAINED TO IMMEDIATE AREA?: Petroleum impacts appear localized beneath dispensers.

DISTANCE TO AND NAME OF NEAREST SURFACE WATER (include currently dry perennial streams): Rapid Creek surrounds the site in all directions except S. 420ft W, 450ft N, 900ft W.

DISTANCE TO NEAREST WATER WELL (if applicable): ≈ 200 feet

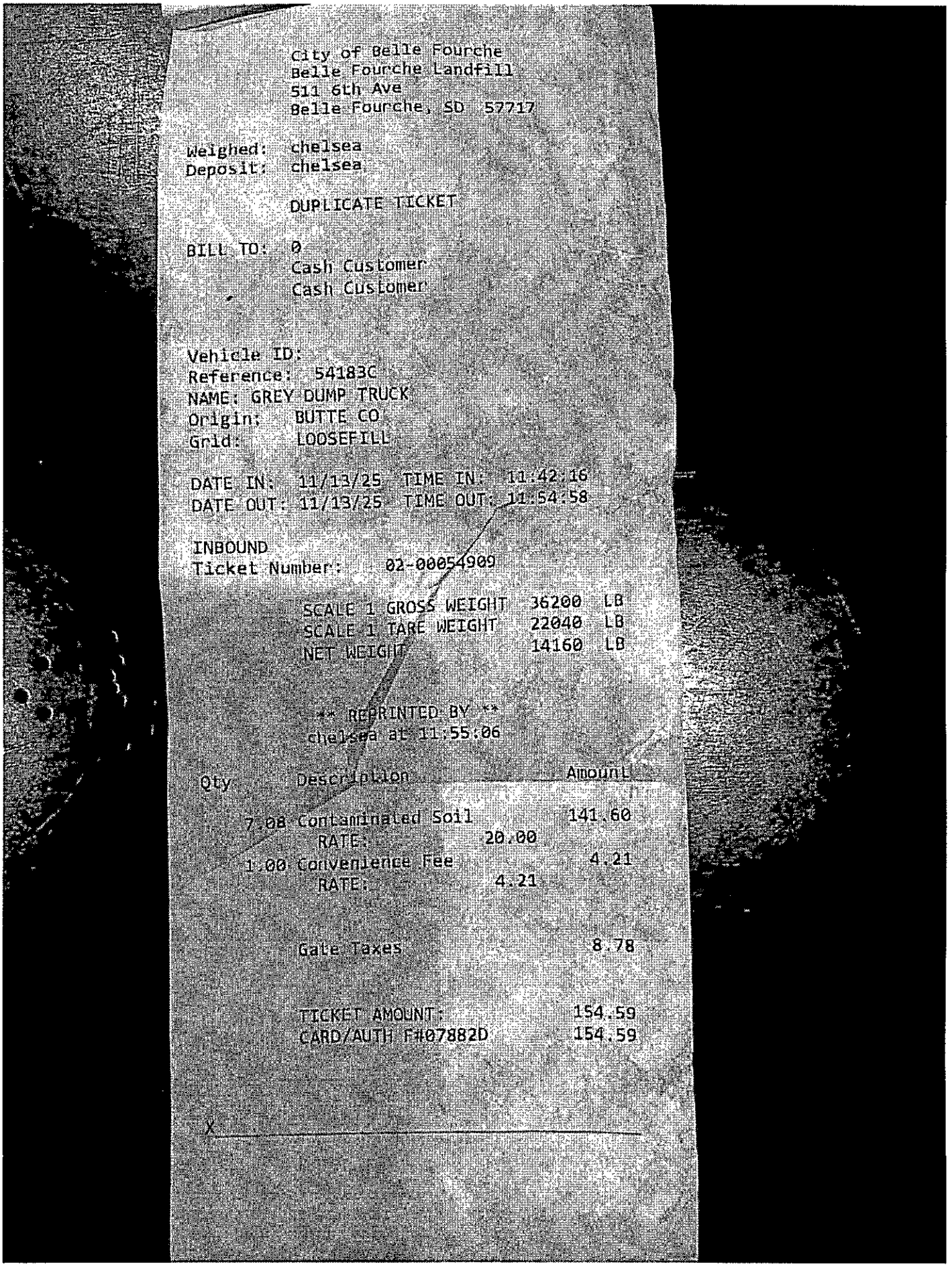
OWNER OF NEAREST WATER WELL (if applicable): Rimrock Holdings LLC

DESCRIBE RESPONSE ACTION AND ADDITIONAL WORK PLANNED: Directed by DANR to complete Risk Based corrective action receptor survey/site assessment work plan and Tier 2 assessments at the Johnson Siding General Store.

FORM COMPLETED BY: Matt Stelmach DATE: 12/10/25

E-MAIL ADDRESS: Matt@Stelmachoil.com

Original – DANR
Copy – Keep for your records.



City of Belle Fourche
Belle Fourche Landfill
511 6th Ave
Belle Fourche, SD 57717

Weighed: chelsea
Deposit: chelsea

DUPLICATE TICKET

BILL TO: 0
Cash Customer
Cash Customer

Vehicle ID:
Reference: 54183C
NAME: GREY DUMP TRUCK
Origin: BUTTE CO
Grid: LOOSEFILL

DATE IN: 11/13/25 TIME IN: 11:42:16
DATE OUT: 11/13/25 TIME OUT: 11:54:58

INBOUND
Ticket Number: 02-00054909

SCALE 1 GROSS WEIGHT 36200 LB
SCALE 1 TARE WEIGHT 22040 LB
NET WEIGHT 14160 LB

** REPRINTED BY **
chelsea at 11:55:06

Qty	Description	Amount
7.08	Contaminated Soil	141.60
	RATE: 20.00	
1.00	Convenience Fee	4.21
	RATE: 4.21	
	Gate Taxes	8.78
	TICKET AMOUNT:	154.59
	CARD/AUTH F#07882D	154.59

X _____

RECEIVED
By Jaclyn McGuire at 10:03 am, Nov 26, 2025

REPORT OF UNDERGROUND STORAGE TANK SYSTEM REMOVAL

Johnson Siding General Store
12300 W. Highway 44
Rapid City, South Dakota

AET Project No. P-0047712
DANR Tank Facility ID 02-00226

Date:
November 20, 2025

Prepared for:
Stelmach Oil Inc.
P.O. Box 636
Hill City, South Dakota 57745

Geotechnical • Materials
Forensic • Environmental
Building Technology
Petrography/Chemistry

American Engineering Testing
1745 Samco Road
Rapid City, SD 57702
TeamAET.com • 800.792.6364

November 20, 2025

Stelmach Oil Inc.
P.O. Box 636
Hill City, SD 57745

Attn: Matthew Stelmach, Owner
Email: matt@stelmachoil.com

Re: Report of Underground Storage Tank System Removal
Johnson Siding General Store
12300 W. Highway 44
Rapid City, South Dakota
AET Project No. P-0047712
DANR Tank Facility ID 02-00226

Dear Mr. Stelmach,

American Engineering Testing (AET) has completed the enclosed report of Underground Storage Tank System Removal at the Johnson Siding General Store. These services were performed according to our proposal dated October 6, 2025, and signed authorization to proceed on October 6, 2025. The attached report of our findings is being submitted as an E-document. If you require hard copies of the report, please let us know and they will be made available.

After review and approval of this report, please sign and date the attached "Approval for Release" form and return it to the undersigned. Upon receiving signed approval, on behalf of Stelmach Oil Inc., AET will submit the report to South Dakota Department of Agriculture and Natural Resources.

We appreciate the opportunity to have been of service to you on this project. If you have any questions regarding the information presented in this report or if we can be of additional assistance, please contact me.

Sincerely,
American Engineering Testing



Bradley P. Bishop, CPRR
Senior Environmental Project Manager
bbishop@teamaet.com
Office: (605) 388-0029

This document shall not be reproduced, except in full, without written approval from American Engineering Testing, Inc.

APPROVAL FOR RELEASE

Project: Underground Storage Tank System Removal
Johnson Siding General Store
12300 W. Highway 44
Rapid City, South Dakota 57702

Report: AET Report No. P-0047712.1

Date: November 20, 2025

As the addressee of the above-referenced report and the Client of record for the project, I hereby
give my permission for the release of the report to the agencies referenced in the subject report.

Client: Stelmach Oil Inc

Authorized Signature: Matthew J Stelmach

Typed Name: Matt Stelmach

Title: President

Date: 11/20/25

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UNDERGROUND STORAGE TANK SYSTEM REMOVAL
JOHNSON SIDING GENERAL STORE
12300 W. HIGHWAY 44, RAPID CITY, SOUTH DAKOTA
AET REPORT No. P-0047712

1. INTRODUCTION

1.1 Site Description

The physical location of the project site (site) is 12300 West Highway 44, Rapid City, South Dakota (SD) (Figures 1 and 2, Appendix A). The Public Land Survey System (PLSS) location of the site is described as the SW ¼ of the SE ¼ of Section 31, Township 2 South, Range 6 East, Black Hills Principal Meridian, Pennington County, SD. The latitude/longitude of the site is 44.083733°, -103.438947° as determined using Google Earth Pro software.

1.2 Background Information

According to information provided by Stelmach Oil Inc. (client), the site maintained an underground storage tank (UST) system including one 1,000-gallon diesel UST, one 1,000-gallon 87 octane gasoline UST, one 1,900-gallon premium gasoline UST, and three dispenser pumps (one for each UST). Records maintained through the SD Department of Agriculture and Natural Resources (DANR) online database indicate that the system was installed in 1995. The DANR Facility Number for this tank site is 02-00226.

1.3 Site Geology and Hydrogeology

According to the SD Geologic Survey document titled “Geologic Map of South Dakota” by Martin, J.E., Sawyer, J.F., Fahrenbach, M.D., Tomhave, D.W., and Schulz, L.D., 2004, the site lies within Alluvium deposited by Rapid Creek with thicknesses greater than 20 feet (ft). The alluvium is underlain by Metaquartzite which is described as light-tan quartzite, siliceous schist and minor chert, with a thickness of approximately 800 - 5,000 feet (ft).

Groundwater was not encountered during the UST basin excavation but is estimated to be at a depth greater than 15 ft below grade (bg). The nearest surface water is Rapid Creek which is located approximately 420-450-900 ft west-north-east of the site,

respectively, and generally flows to the north-east-south as it meanders around the west-north-east sides of the site, respectively.

1.4 Scope of Work

The scope of work we performed on this project consisted of the following items:

1. coordinating the removal of the UST system with an excavation contractor hired by the site client;

2. mobilizing one environmental professional that is a licensed Petroleum Release Remediator from our Rapid City, SD, office to observe and document the removal of the UST system;

3. monitoring the ambient air present within the USTs for percent oxygen content using a combustible gas indicator (CGI) prior to removal of the USTs from the UST basin;

4. observing and documenting the condition of the overburden and bedding material adjacent to the USTs as they were uncovered during excavation activities;

5. screening the overburden and bedding material adjacent to the USTs for the presence of organic vapors as an indication of petroleum hydrocarbon impacts;

6. observing and documenting the physical condition of the USTs upon their removal;

7. observing and documenting the condition of the native soils beneath the USTs and distribution pumps;

8. screening the soils beneath the USTs and distribution pumps for the presence of organic vapors as an indication of petroleum hydrocarbon impacts;

9. collecting a composite soil sample below the distribution pumps which exhibited petroleum impacts and analyzing the sample for the presence and concentration of total petroleum hydrocarbons as diesel (TPH-D), total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, xylenes (BTEX), naphthalene, and toxicity characteristic leaching procedure (TCLP) eight resource conservation and recovery act (RCRA) metals, as required for landfill disposal;

10. coordinating with the Belle Fourche Landfill to obtain approval for the excavation contractor to dispose of the petroleum impacted soil;

11. collecting representative closure soil samples from the floor of the final UST basin excavation, and beneath distribution pumps, in accordance with DANR Handbook guidelines, and analyzing the samples for the presence and concentration of TPH-D, TPH-G, BTEX, and naphthalene, as appropriate to the UST system component source; and

12. providing a report containing data obtained during our field work, along with our conclusions and recommendations based on that data.

2. PROJECT RESULTS

2.1 UST Excavation Activities

AET personnel mobilized to the site on October 13, 2025, to meet with the excavation contractor (Lewton Trucking), to inspect the site, and initiate the field activities associated with the UST system removal. Upon arrival, AET personnel mapped the location of the UST system relative to site features (Figure 3, Appendix A), while Lewton Trucking began removing concrete surface cover over the USTs, the three dispenser pumps, and the concrete pump island between the canopy poles. After removing the surface cover, Lewton Trucking personnel began the process of inerting each of the two gasoline USTs with dry ice via carbon dioxide displacement. The gasoline USTs were both inerted and confirmed to have oxygen concentrations below 10%. After UST inerting was completed, Lewton Trucking began soil excavation and removal of the underground UST system components.

The soil profile encountered during the UST system excavation activities at the site consisted mostly of granular bedding material (crushed limestone) surrounding the USTs and below the dispenser pump island. The native soil in the sidewalls of the UST basin consisted of silty lean clay grading to clayey silt with depth. Groundwater was not encountered at the terminal depth of the UST basin excavation at 8 ft bg. No visual and olfactory indications of petroleum hydrocarbon impacts were observed within the UST basin excavation extents; however, the bedding material below the dispenser island, most

apparent below the diesel dispenser, was near saturated and exhibited olfactory indications of petroleum hydrocarbon impacts. Due to the presence of petroleum-impacted bedding material beneath the dispenser island, approximately 2.5 feet of limestone bedding and an additional 2.5 feet of native soil were excavated from beneath the pump island, between the canopy foundations, and managed for proper disposal in accordance with applicable DANR Handbook requirements. The excavation below the pump island was discontinued at 5 ft bg due to physical constraints and integrity concerns of the canopy poles and foundations.

2.2 Soil Sample Screening Results

For field observation and screening purposes, AET collected a total of 13 soil samples in the area of the UST basin and dispensers. Samples were collected and screened for the presence and concentration of organic vapors as an indication of petroleum hydrocarbon impacts using methods presented in Appendix B.

Elevated organic vapor headspace concentrations (10 - 383 parts per million [ppm]) were measured in the soil below the dispenser island from near surface down to 5 ft bg. The highest screening concentration, 383 ppm, was detected in a composite soil sample collected from material excavated beneath the dispenser island for petroleum-impacted soil disposal. No significantly elevated organic vapors, greater than 10 ppm, were measured within the extents of the UST basin. Refer to Figure 3 for an illustration of the USTs, dispensers, soil sample screening locations, and organic vapor screening results.

2.3 Soil Sample Analytical Results

AET directed the segregation of the petroleum impacted soil excavated from below the dispenser island which was to be hauled to the Belle Fourche Landfill at a later date. One composite soil sample was collected from the petroleum impacted soil to provide the laboratory analytical documentation required for disposal at the Belle Fourche Landfill. The soil was analyzed for the presence and concentration of TPH-D, TPH-G, BTEX, naphthalene, and TCLP eight RCRA metals, using methods described in Appendix B.

The analytical results of the petroleum impacted soil sample are presented below in Table 1 (Sample ID: “DI Composite”), and the laboratory report is included in Appendix C.

Per the DANR Handbook requirements, AET selected UST system closure samples which included one soil sample from beneath each of the dispensers and one soil sample from beneath each of the USTs (6 samples total) to document potential petroleum impacts remaining in the soil surrounding the former UST system. The samples were analyzed for the presence and concentration of TPH-D, TPH-G, BTEX, and naphthalene, as appropriate to the UST system component source, using methods described in Appendix B. The laboratory analytical results for the closure soil samples are presented in Table 1 below and the laboratory report is included in Appendix C. For comparison, the DANR Tier 1 Trigger/Action Levels for soils at petroleum release sites are also presented in Table 1.

Table 1
Laboratory Analytical Data[1]

Sample ID	Depth[2]	TPH-D	TPH-G	Benzene	Toluene	Ethyl Benzene	Xylenes	Naphthalene
West Diesel UST (S5)	8	<10.0[3]	--	--	--	--	--	<0.500
Center Gas UST (S6)	8	--	<10.0	<0.050	<0.100	<0.100	<0.200	<0.200
East Gas UST (S8)	8	--	<10.0	<0.050	<0.100	<0.100	<0.200	<0.200
West Diesel Disp. (S10)	5	***2970***[4]	--	--	--	--	--	3.24
Center Gas Disp. (S11)	5	--	14.2	<0.050	<0.100	<0.100	<0.200	<0.200
East Gas Disp. (S12)	5	--	<10.0	<0.050	<0.100	<0.100	<0.200	<0.200
DI Composite (S13)	0-5	***1340***	***836***	<0.050	<0.100	2.14	26.0	6.40
DANR Tier 1 Trigger/Action Levels		500	500	0.2	15	10	300	25

[1] All values are in mg/kg, which is equivalent to parts per million, unless otherwise noted.
[2] Depth measured in feet below grade.
[3] "<" denotes analyte not detected at or above the practical quantitation limit following the "less than" symbol.
[4] Values listed in ***bold italics*** indicate concentration exceeded Tier 1 TPH Trigger Level.

2.4 UST System Component Observations

Field documentation regarding the site USTs consisted of the following observations.

- West Diesel UST
  - 5.25 ft wide x 6 ft long = 971 gallons.
  - Sti-P3 steel construction in very good condition; no rust, corrosion or holes.
- Center Gasoline UST
  - 5.25 ft wide x 6 ft long = 971 gallons.
  - Sti-P3 steel construction in very good condition; no rust, corrosion or holes.
- East Gasoline UST
  - 5.25 ft wide x 12 ft long = 1,942 gallons.
  - Sti-P3 steel construction in very good condition; no rust, corrosion or holes.

The distribution piping between the USTs and the distribution pumps were of steel construction with a light green anti-corrosion coating. The piping was in very good condition with no evidence of deterioration or leaking.

The distribution pumps were older mechanical style dial pumps. Upon removal of the pumps, visual and olfactory evidence of petroleum was observed in the limestone bedding immediately below the pump island and was most evident below the west diesel pump. These observations would infer that failed component(s) associated with the pump(s) caused a release(s) of petroleum product below the pump(s).

USTs and system components were delivered by Lewton Trucking to R&N Recycling in Sturgis, SD, for disposal.

2.5 Petroleum Impacted Soil Disposal

Upon observation of petroleum impacted bedding and native soil directly beneath the concrete pump island, AET directed the segregation of the impacted soil to be properly disposed. On November 13, 2025, Lewton Trucking transported and disposed of the segregated petroleum impacted soil at the Belle Fourche Landfill. According to the landfill

scale ticket, approximately 7.08 tons of soil were removed from the site and disposed of. A copy of the landfill scale ticket can be found in Appendix D.

3. CONCLUSIONS & RECOMMENDATIONS

During the removal of the UST system, petroleum impacts were identified in the vicinity of the dispenser island at the site, with the highest concentrations detected beneath the former diesel dispenser. Laboratory analytical results indicate that TPH-D in soil from this area exceeded the DANR Tier 1 Trigger Level, while the naphthalene concentration remained below the corresponding DANR Tier 1 Action Level. Petroleum constituents in the closure soil samples collected from beneath the USTs and other dispenser locations were either below laboratory sample practical quantitation limits or below applicable DANR Tier 1 Trigger/Action Levels.

Considering the close proximity of the UST basin to the source dispenser island release, the absence of petroleum impacts in soil within the UST basin suggests that the observed petroleum impacts beneath the diesel dispenser are likely localized and have not migrated significantly beyond the immediate area of the dispenser island.

Given that petroleum impacts are likely confined to the immediate vicinity surrounding the dispenser island and petroleum analyte concentrations are below DANR Action Levels, it is AET's opinion that the potential risk to human health and the environment is considered low. However, due to the site's proximity to Rapid Creek, DANR may require additional investigation to verify that no contaminant migration within the saturated zone has occurred that could adversely affect shallow groundwater or surface water quality.

It is recommended that a copy of this report be submitted to the DANR Office of Inspection, Compliance, and Remediation in Pierre and Rapid City, SD, for review and determination of any additional actions that they may consider warranted.

4. STANDARD OF CARE

The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

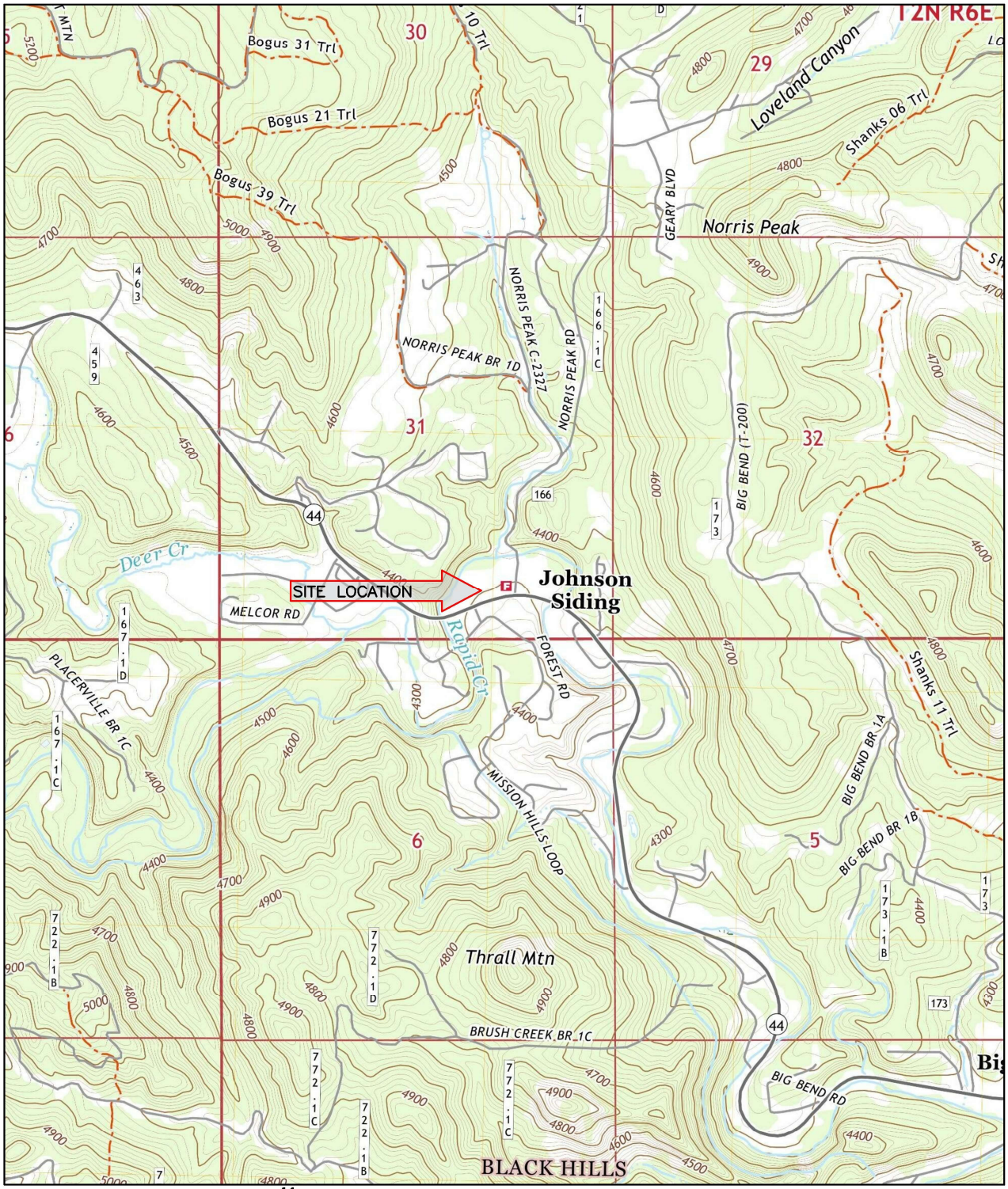
This report was prepared by:

Jeremy J. Huot, CPRR
Environmental Geologist

This report was reviewed by:

Bradley P. Bishop, CPRR
Senior Project Manager

APPENDIX A
Figures



SCALE (FEET)

0 2,000

N

USGS TOPOGRAPHIC MAP
PROVIDED BY USGS DATABASE
DATED: 2021 SCALE: 1:24,000

AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 W HWY 44, RAPID CITY, SOUTH DAKOTA		PROJECT NO.: P-0047712
	SUBJECT: SITE LOCATION TOPO MAP	DRAWN BY: JJH	DATE: NOVEMBER 6, 2025
	SCALE: 1 INCH = 2,000 FEET	REVIEWED BY: BPB	FIGURE: 1



SCALE
(FEET)
0 800

N

AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 WEST HIGHWAY 44, RAPID CITY, SOUTH DAKOTA		PROJECT NO. P–0047712
	SUBJECT: SITE LOCATION AERIAL MAP	DRAWN BY: JJH	DATE: NOVEMBER 6, 2025
	SCALE: 1 INCH = 800 FEET	REVIEWED BY: BPB	FIGURE: 2

Screening Sample Location	Depth (feet)	Organic Vapors (ppm)
1	4	TR
2	3	3
3	4	2
4	2.5	1
5	8	1
6	8	TR
7	4	2
8	8	8
9	2.5	325
10	5	127
11	5	84
12	5	10
DI Composite	N/A	383

TR - Oganic Vapor Concentration >0 and <1 ppm.

NA - Depth varied for composite sample.

LEGEND

- Diesel UST
- Gasoline UST
- Excavation Extents
- Gasoline Dispenser
- Diesel Dispenser
- (1) Screening Sample Location
- (1) Analytical Sample Location

SCALE (FEET)

0 10



Note: Depicted locations and dimensions are approximate.

AET	PROJECT: JOHNSON SIDING GENERAL STORE 12300 WEST HIGHWAY 44, RAPID CITY, SOUTH DAKOTA	PROJECT NO. P–0047712
	SUBJECT: SITE SKETCH WITH EXCAVATION EXTENTS, UST SYSTEM COMPONENTS, & SOIL SAMPLE LOCATIONS DRAWN BY: JJH	DATE: NOVEMBER 6, 2025
	SCALE: 1 INCH = 10 FEET REVIEWED BY: BPB	FIGURE: 3

APPENDIX B
Methodologies

METHODOLOGIES

Soil Sample Screening

Soil screening and sampling activities included the collection of soil samples from the UST basin excavation and the dispenser pumps. The soils are visually examined during the excavation for discoloration and other indications of petroleum impacts. Organic vapor headspace analysis is conducted according to Standard Operating Procedures detailed in Appendix C, Section 1 of the DANR "Handbook for Investigation and Corrective Action Requirements for Discharges from Storage Tanks, Piping Systems, and Other Releases".

The soil samples are screened for the presence of organic vapors as indications of hydrocarbon contamination using an Ion Science PhoCheck TIGER photoionization detector (PID). This instrument provides readings in parts per million (ppm) equivalents of the calibration gas. The lower detectable limit is approximately 1 ppm. Erratic responses are discounted as a result of high organic vapor concentrations or conditions of elevated headspace moisture. Occasionally, vapor interference may also be encountered from the plastic sample bags utilized for headspace analysis. The PID is calibrated prior to arrival on-site using the concentration (as recommended by the manufacturer) of Isobutylene gas with a 10.6 eV lamp source. Headspace vapor readings are obtained by partially filling a sealable plastic sample bag. The sample bag is agitated, and the soil is allowed to warm within the sealed container. The probe of the PID is inserted through the top of the sample container to obtain a headspace reading. Concentrations are recorded as the maximum level reached after insertion of the probe.

Chemical Analysis

The confirmation soil samples are collected in laboratory prepared soil jars with zero headspace and are transported to the laboratory in a cooler on ice. The soil samples are analyzed in a certified laboratory for the presence and concentration of total petroleum hydrocarbons as diesel (TPH-D), total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene, xylenes (BTEX), naphthalene, and TCLP 8 RCRA metals. The samples are analyzed according to the appropriate SDDANR approved methods.

Chain of Custody

Upon collection of a sample to be analyzed in the laboratory, a chain of custody log is initiated. The chain of custody log includes the following information: project name, project number, shipped by, shipped to, project manager, sampling point, location, field identification number, date taken, sample type, number of containers, analysis required and sampler's signature. The chain of custody log is shipped with the samples to the laboratory. On arrival at the laboratory, the samples are checked in and signed over to the appropriate laboratory personnel. A copy of the chain of custody log is maintained by the project manager.

Reporting

Reports are prepared that 1) present and summarize the results of the work conducted, 2) include site location and study area maps, 3) give our opinion regarding the presence of petroleum hydrocarbons and the necessity for additional work, and 4) if the results of the study warrant additional work, recommend the scope of additional work.

APPENDIX C
Analytical Laboratory Report

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

REVIEWED
By Bradley Bishop at 4:22 pm, Nov 05, 2025

Sample Site: S5/D-UST
Project Name: Johnson Siding General Store
Project Number: P-0047712
Sampled: 10/13/25 at 12:00 PM
by Brad Bishop
Sample Matrix: Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#: 20251014541
Received: 10/14/25 at 09:37 AM
by Dean Aurand
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Semi-Volatile							
Naphthalene-soc	< 0.500	mg/kg	1	0.070	0.500	SW846 8100-S	SAC 10/24/25
TPH Diesel	< 10.0	mg/kg	1	1.30	10.0	SW846 8015B-S	SAC 10/24/25
Extraction							
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC 10/23/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-SV					
Ortho-Terphenyl	82.5 %	(52.38) - (117.8)	1	SW846 8015-S QC	SAC 10/24/25

Report Approved By:

Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site: S6/G87-UST
Project Name: Johnson Siding General Store
Project Number: P-0047712
Sampled: 10/13/25 at 12:40 PM
by Brad Bishop
Sample Matrix: Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#: 20251014542
Received: 10/14/25 at 09:37 AM
by Dean Aurand
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 0.050	mg/kg	1	0.018	0.050	SW846 8021B-S	SAC	10/22/25
Ethylbenzene	< 0.100	mg/kg	1	0.016	0.100	SW846 8021B-S	SAC	10/22/25
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.023	0.100	SW846 8021B-S	SAC	10/22/25
Naphthalene	< 0.200	mg/kg	1	0.025	0.200	SW846 8021B-S	SAC	10/22/25
Toluene	< 0.100	mg/kg	1	0.015	0.100	SW846 8021B-S	SAC	10/22/25
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.060	0.200	SW846 8021B-S	SAC	10/22/25
Total Volatile Hydrocarbons								
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC	10/22/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	89.8 %	(64.50) - (102.6)	1	SW846 8021B QC	SAC	10/22/25

Report Approved By:

Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site:	S8/GP-UST
Project Name:	Johnson Siding General Store
Project Number:	P-0047712
Sampled:	10/13/25 at 01:00 PM by Brad Bishop
Sample Matrix:	Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

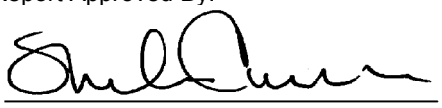
Lab ID#:	20251014543
Received:	10/14/25 at 09:37 AM by Dean Aurand
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Volatile							
Benzene	< 0.050	mg/kg	1	0.018	0.050	SW846 8021B-S	SAC 10/23/25
Ethylbenzene	< 0.100	mg/kg	1	0.016	0.100	SW846 8021B-S	SAC 10/23/25
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.023	0.100	SW846 8021B-S	SAC 10/23/25
Naphthalene	< 0.200	mg/kg	1	0.025	0.200	SW846 8021B-S	SAC 10/23/25
Toluene	< 0.100	mg/kg	1	0.015	0.100	SW846 8021B-S	SAC 10/23/25
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.060	0.200	SW846 8021B-S	SAC 10/23/25
Total Volatile Hydrocarbons							
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC 10/23/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-Volatile					
4-Bromofluorobenzene	86.4 %	(64.64) - (103.4)	1	SW846 8021B QC	SAC 10/23/25

Report Approved By:



Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site:	S10/D-DI
Project Name:	Johnson Siding General Store
Project Number:	P-0047712
Sampled:	10/13/25 at 01:45 PM by Brad Bishop
Sample Matrix:	Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#:	20251014544
Received:	10/14/25 at 09:37 AM by Dean Aurand
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Semi-Volatile							
Naphthalene-soc	3.24	mg/kg	4	0.279	2.00	SW846 8100-S	SAC 10/24/25
TPH Diesel	2970	mg/kg	4	5.20	40.0	SW846 8015B-S	SAC 10/24/25
Extraction							
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC 10/23/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-SV					
Ortho-Terphenyl	D-Surrogate not calculated due to dilution.				

Report Approved By:

Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site:	S11/G87-DI
Project Name:	Johnson Siding General Store
Project Number:	P-0047712
Sampled:	10/13/25 at 02:00 PM by Brad Bishop
Sample Matrix:	Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#:	20251014545
Received:	10/14/25 at 09:37 AM by Dean Aurand
Account:	W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst/Date
Volatile							
Benzene	< 0.050	mg/kg	1	0.018	0.050	SW846 8021B-S	SAC 10/23/25
Ethylbenzene	< 0.100	mg/kg	1	0.016	0.100	SW846 8021B-S	SAC 10/23/25
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.023	0.100	SW846 8021B-S	SAC 10/23/25
Naphthalene	< 0.200	mg/kg	1	0.025	0.200	SW846 8021B-S	SAC 10/23/25
Toluene	< 0.100	mg/kg	1	0.015	0.100	SW846 8021B-S	SAC 10/23/25
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.060	0.200	SW846 8021B-S	SAC 10/23/25
Total Volatile Hydrocarbons							
TPH as Gasoline	14.2	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC 10/23/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-Volatile					
4-Bromofluorobenzene	79.7 %	(64.64) - (103.4)	1	SW846 8021B QC	SAC 10/23/25

Report Approved By:

Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site: S12/GP-DI
Project Name: Johnson Siding General Store
Project Number: P-0047712
Sampled: 10/13/25 at 02:15 PM
by Brad Bishop
Sample Matrix: Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

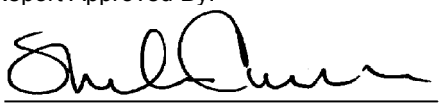
Lab ID#: 20251014546
Received: 10/14/25 at 09:37 AM
by Dean Aurand
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Volatile								
Benzene	< 0.050	mg/kg	1	0.018	0.050	SW846 8021B-S	SAC	10/23/25
Ethylbenzene	< 0.100	mg/kg	1	0.016	0.100	SW846 8021B-S	SAC	10/23/25
Methyl tertiary-Butyl Ether	< 0.100	mg/kg	1	0.023	0.100	SW846 8021B-S	SAC	10/23/25
Naphthalene	< 0.200	mg/kg	1	0.025	0.200	SW846 8021B-S	SAC	10/23/25
Toluene	< 0.100	mg/kg	1	0.015	0.100	SW846 8021B-S	SAC	10/23/25
Xylenes(o,m,p)	< 0.200	mg/kg	1	0.060	0.200	SW846 8021B-S	SAC	10/23/25
Total Volatile Hydrocarbons								
TPH as Gasoline	< 10.0	mg/kg	1	1.12	10.0	SW846 8015B-S	SAC	10/23/25

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst	Date
Surrogate Recovery-Volatile						
4-Bromofluorobenzene	88.3 %	(64.64) - (103.4)	1	SW846 8021B QC	SAC	10/23/25

Report Approved By:



Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Sample Site: S13/DI Composite
Project Name: Johnson Siding General Store
Project Number: P-0047712
Sampled: 10/13/25 at 02:30 PM
by Brad Bishop
Sample Matrix: Soil

AET
1745 SAMCO ROAD
RAPID CITY, SD 57702

Lab ID#: 20251014547
Received: 10/14/25 at 09:37 AM
by Dean Aurand
Account: W1202 - AET - Rapid City

Parameter	Result	Units	DF	MDL	PQL	Method	Analyst	Date
Metals - TCLP								
Arsenic (As)	< 0.005	mg/L	10	0.0004	0.005	EPA SW846 6020	TNA	10/24/25
Barium (Ba)	1.90	mg/L	10	0.00073	0.005	EPA SW846 6020	TNA	10/24/25
Cadmium (Cd)	0.003	mg/L	10	0.00041	0.001	EPA SW846 6020	TNA	10/24/25
Chromium (Cr)	< 0.001	mg/L	10	0.000109	0.001	EPA SW846 6020 DRC	TNA	10/24/25
Lead (Pb)	0.001	mg/L	10	0.00015	0.001	EPA SW846 6020	TNA	10/24/25
Mercury (Hg)	< 0.0002	mg/L	1	0.000045	0.0002	EPA SW846 7471B	GRT	10/29/25
Selenium (Se)	< 0.005	mg/L	10	0.00048	0.005	EPA SW846 6020	TNA	10/24/25
Silver (Ag)	< 0.001	mg/L	10	0.000074	0.001	EPA SW846 6020	TNA	10/24/25
Volatile								
Benzene	< 0.050	mg/kg	1	0.018	0.050	SW846 8021B-S	SAC	10/23/25
Ethylbenzene	2.14	mg/kg	10	0.161	1.00	SW846 8021B-S	SAC	10/23/25
Methyl tertiary-Butyl Ether	< 1.00	mg/kg	10	0.231	1.00	SW846 8021B-S	SAC	10/23/25
Naphthalene	6.40	mg/kg	10	0.249	2.00	SW846 8021B-S	SAC	10/23/25
Toluene	< 1.00	mg/kg	10	0.149	1.00	SW846 8021B-S	SAC	10/23/25
Xylenes(o,m,p)	26.0	mg/kg	10	0.600	2.00	SW846 8021B-S	SAC	10/23/25
Total Volatile Hydrocarbons								
TPH as Gasoline	836	mg/kg	10	11.2	100	SW846 8015B-S	SAC	10/23/25
Semi-Volatile								
TPH Diesel	1340	mg/kg	10	13.0	100	SW846 8015B-S	SAC	10/24/25
Extraction								
Extraction TPH/SOC	1.00	none	1			SW846 3550	SAC	10/23/25

Report of Analysis for: **AET - Rapid City** Sample Site: **S13/DI Composite**

Quality Control Data

Parameter	Result	Limits	DF	Method	Analyst/Date
Surrogate Recovery-Volatile					
4-Bromofluorobenzene	116.8 %	(64.64) - (103.4)	10	SW846 8021B QC	SAC 10/23/25
	- Result is within QC guidelines of 70 - 130%				
Surrogate Recovery-SV					
Ortho-Terphenyl	D-Surrogate not calculated due to dilution.				

Report Approved By:



Report Approved On: 11/5/2025 11:34:27 AM

MIDCONTINENT
TESTING LABORATORIES, INC.

2381 South Plaza Drive P.O. Box 3388 Rapid City, SD 57709
(605) 348-0111 -- www.thechemistrylab.com

Lab Numbers: 20251014541 - 20251014547

QC Sample Report

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method	
Spike									
Arsenic - D	1024205	0.243	< 0.005	0.025	10	97.2 %	(82.64) - (114.5)	EPA 200.8	
Arsenic - D	1022102	0.099	< 0.002	0.025	4	99.3 %	(82.64) - (114.5)	EPA 200.8	
Arsenic - D	1023105	0.103	0.004	0.025	4	98.6 %	(82.64) - (114.5)	EPA 200.8	
Arsenic - D	1024108	0.096	0.004	0.025	4	92.6 %	(85.63) - (112.2)	EPA 200.8	
Barium - D	1023105	0.150	0.057	0.025	4	93.1 %	(84.59) - (105.6)	EPA 200.8	
Barium - D	1024205	0.250	0.017	0.025	10	93.2 %	(84.59) - (105.6)	EPA 200.8	
Barium - D	1022102	0.180	0.088	0.025	4	91.4 %	(84.59) - (105.6)	EPA 200.8	
Barium - D	1024108	0.831	0.754	0.025	4	77.0 %	(86.28) - (104.1)	EPA 200.8	X
- Result is within QC guidelines of 70 - 130%									
Cadmium - D	1022102	0.097	< 0.000	0.025	4	96.7 %	(91.24) - (106.6)	EPA 200.8	
Cadmium - D	1024205	0.241	< 0.000	0.025	10	96.3 %	(91.24) - (106.6)	EPA 200.8	
Cadmium - D	1023105	0.098	< 0.000	0.025	4	97.5 %	(91.24) - (106.6)	EPA 200.8	
Cadmium - D	1024108	0.092	< 0.000	0.025	4	91.9 %	(91.12) - (105.6)	EPA 200.8	
Chromium - D	1023105	0.098	< 0.000	0.025	4	98.1 %	(81.69) - (113.4)	EPA 200.8 DRC	
Chromium - D	1022102	0.095	< 0.000	0.025	4	94.7 %	(81.69) - (113.4)	EPA 200.8 DRC	
Chromium - D	1024205	0.251	< 0.001	0.025	10	100.2 %	(81.69) - (113.4)	EPA 200.8 DRC	
Chromium - D	1024108	0.098	< 0.000	0.025	4	97.7 %	(82.95) - (112.4)	EPA 200.8 DRC	
Lead - D	1024205	0.2463	< 0.0010	0.025	10	98.5 %	(89.38) - (108.1)	EPA 200.8	
Lead - D	1022102	0.0952	< 0.0004	0.025	4	95.2 %	(89.38) - (108.1)	EPA 200.8	
Lead - D	1023105	0.0958	< 0.0004	0.025	4	95.8 %	(89.38) - (108.1)	EPA 200.8	
Lead - D	1024108	0.0937	< 0.0004	0.025	4	93.7 %	(88.81) - (107.5)	EPA 200.8	
Mercury - D	1024201	0.0021	< 0.0002	0.002	1	103.0 %	(87.87) - (113.7)	EPA 245.1	
Selenium - D	1023105	0.484	< 0.002	0.125	4	96.9 %	(87.92) - (110.2)	EPA 200.8	
Selenium - D	1022102	0.476	< 0.002	0.125	4	95.3 %	(87.92) - (110.2)	EPA 200.8	
Selenium - D	1024205	1.18	< 0.002	0.125	10	94.0 %	(87.92) - (110.2)	EPA 200.8	
Selenium - D	1024108	0.459	< 0.002	0.125	4	91.8 %	(86.97) - (110.0)	EPA 200.8	
Silver - D	1023105	0.0946	< 0.0004	0.025	4	94.6 %	(80.80) - (109.0)	EPA 200.8	
Silver - D	1022102	0.0938	< 0.0004	0.025	4	93.8 %	(80.80) - (109.0)	EPA 200.8	
Silver - D	1024205	0.2333	< 0.0010	0.025	10	93.3 %	(80.80) - (109.0)	EPA 200.8	
Silver - D	1024108	0.0889	< 0.0004	0.025	4	88.9 %	(82.15) - (105.5)	EPA 200.8	
Arsenic - T	1008701	0.247	< 0.005	0.025	10	98.9 %	(82.10) - (112.5)	EPA 200.8	
Arsenic - T	1003704	0.250	< 0.005	0.025	10	99.86%	(82.10) - (112.5)	EPA 200.8	
Barium - T	1008701	0.558	0.309	0.025	10	99.4 %	(82.86) - (108.4)	EPA 200.8	
Barium - T	1003704	0.389	0.176	0.025	10	85.1 %	(82.86) - (108.4)	EPA 200.8	
Cadmium - T	1003704	0.238	0.001	0.025	10	94.6 %	(83.62) - (107.3)	EPA 200.8	
Cadmium - T	1008701	0.255	0.025	0.025	10	92.0 %	(83.62) - (107.3)	EPA 200.8	
Chromium - T	1008701	0.272	0.004	0.025	10	107.0 %	(80.80) - (113.5)	EPA 200.8 DRC	
Chromium - T	1003704	0.252	1 0.001	0.025	10	100.2 %	(80.80) - (113.5)	EPA 200.8 DRC	

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Spike								
Lead - T	1003704	0.2504	0.0012	0.025	10	99.68%	(85.83) - (110.4)	EPA 200.8
Lead - T	1008701	0.2510	0.0011	0.025	10	99.95%	(85.83) - (110.4)	EPA 200.8
Mercury - T	1024110	0.0020	< 0.0002	0.002	1	98.0 %	(80.79) - (118.7)	EPA 245.1
Mercury - T	1024107	0.0020	< 0.0002	0.002	1	100.0 %	(80.79) - (118.7)	EPA 245.1
Selenium - T	1008701	1.15	< 0.005	0.125	10	91.9 %	(81.69) - (107.2)	EPA 200.8
Selenium - T	1003704	1.17	0.009	0.125	10	92.9 %	(81.69) - (107.2)	EPA 200.8
Silver - T	1008701	0.2173	< 0.0010	0.025	10	86.9 %	(76.26) - (111.6)	EPA 200.8
Silver - T	1003704	0.2211	< 0.0010	0.025	10	88.4 %	(76.26) - (111.6)	EPA 200.8
Arsenic - TR	1022212	0.237	< 0.005	0.025	10	94.7 %	(86.76) - (106.7)	EPA 200.8
Barium - TR	1022212	0.285	0.052	0.025	10	93.4 %	(88.13) - (103.4)	EPA 200.8
Cadmium - TR	1022212	0.2431	< 0.0010	0.025	10	97.2 %	(89.55) - (104.8)	EPA 200.8
Chromium - TR	1022212	0.2533	< 0.0010	0.025	10	101.3 %	(81.71) - (113.1)	EPA 200.8 DRC
Lead - TR	1022212	0.2428	< 0.0010	0.025	10	97.1 %	(90.24) - (106.5)	EPA 200.8
Selenium - TR	1022212	1.17	0.007	0.125	10	93.0 %	(85.93) - (106.8)	EPA 200.8
Silver - TR	1022212	0.2346	< 0.0010	0.025	10	93.8 %	(85.04) - (104.3)	EPA 200.8
Benzene	0912541	0.915	< 0.050	1.00	1	91.5 %	(67.05) - (115.9)	SW846 8021B-S
Ethylbenzene	0912541	0.938	< 0.100	1.00	1	93.8 %	(79.17) - (112.4)	SW846 8021B-S
MTBE	0912541	0.908	< 0.200	1.00	1	90.8 %	(65.05) - (111.4)	SW846 8021B-S
Naphthalene	0912541	0.860	< 0.200	1.00	1	86.0 %	(61.06) - (139.8)	SW846 8021B-S
Toluene	0912541	0.939	< 0.100	1.00	1	93.9 %	(73.10) - (114.8)	SW846 8021B-S
Xylenes(o,m,p)	0912541	2.83	< 0.200	3.00	1	94.4 %	(73.06) - (118.3)	SW846 8021B-S
TPH Gas	0912542	95.2	< 10.0	100	1	95.2 %	(58.24) - (124.7)	SW846 8015B-S
TPH-Diesel	1009548	216	10.6	200	1	102.7 %	(54.88) - (105.6)	SW846 8015B-S
Matrix Spike Duplicate								
Arsenic - D	1022102	0.100	0.099		4	0.402%	(-5.562) - (6.307)	EPA 200.8
Arsenic - D	1024205	0.239	0.243		10	-1.80%	(-5.562) - (6.307)	EPA 200.8
Arsenic - D	1023105	0.101	0.103		4	-1.58%	(-5.562) - (6.307)	EPA 200.8
Arsenic - D	1024108	0.096	0.096		4	0.166%	(-4.256) - (4.080)	EPA 200.8
Barium - D	1024205	0.248	0.250		10	-0.490%	(-3.664) - (2.779)	EPA 200.8
Barium - D	1022102	0.180	0.180		4	0.394%	(-3.664) - (2.779)	EPA 200.8
Barium - D	1023105	0.150	0.150		4	-0.254%	(-3.664) - (2.779)	EPA 200.8
Barium - D	1024108	0.828	0.831		4	-0.403%	(-3.418) - (2.668)	EPA 200.8
Cadmium - D	1023105	0.098	0.098		4	0.276%	(-3.483) - (3.759)	EPA 200.8
Cadmium - D	1022102	0.098	0.097		4	0.947%	(-3.483) - (3.759)	EPA 200.8
Cadmium - D	1024205	0.241	0.241		10	0.253%	(-3.483) - (3.759)	EPA 200.8
Cadmium - D	1024108	0.092	0.092		4	0.207%	(-2.326) - (3.203)	EPA 200.8
Chromium - D	1024205	0.252	0.251		10	0.414%	(-8.143) - (7.587)	EPA 200.8 DRC
Chromium - D	1023105	0.097	0.098		4	-0.891%	(-8.143) - (7.587)	EPA 200.8 DRC
Chromium - D	1022102	0.095	0.095		4	0.548%	(-8.143) - (7.587)	EPA 200.8 DRC
Chromium - D	1024108	0.101	0.098		4	3.12%	(-8.184) - (7.455)	EPA 200.8 DRC
Lead - D	1022102	0.0955	0.0952		4	0.378%	(-3.082) - (2.983)	EPA 200.8
Lead - D	1024205	0.2501	0.2463		10	1.52%	(-3.082) - (2.983)	EPA 200.8
Lead - D	1023105	0.0975	0.0958		4	1.69%	(-3.082) - (2.983)	EPA 200.8
Lead - D	1024108	0.0945	0.0937		4	0.829%	(-2.699) - (3.216)	EPA 200.8
Mercury - D	1024201	0.0020	0.0021		1	-2.96%	(-12.96) - (12.00)	EPA 245.1

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method	
Matrix Spike Duplicate									
Selenium - D	1024205	1.16	1.18		10	-1.47%	(-2.658) - (2.887)	EPA 200.8	
Selenium - D	1022102	0.479	0.476		4	0.638%	(-2.658) - (2.887)	EPA 200.8	
Selenium - D	1023105	0.476	0.484		4	-1.74%	(-2.658) - (2.887)	EPA 200.8	
Selenium - D	1024108	0.463	0.459		4	0.861%	(-2.727) - (2.919)	EPA 200.8	
Silver - D	1023105	0.0943	0.0946		4	-0.307%	(-3.496) - (3.963)	EPA 200.8	
Silver - D	1022102	0.0942	0.0938		4	0.362%	(-3.496) - (3.963)	EPA 200.8	
Silver - D	1024205	0.2330	0.2333		10	-0.103%	(-3.496) - (3.963)	EPA 200.8	
Silver - D	1024108	0.0894	0.0889		4	0.538%	(-2.816) - (3.534)	EPA 200.8	
Arsenic - T	1008701	0.262	0.247		10	5.66%	(-10.78) - (9.130)	EPA 200.8	
Arsenic - T	1003704	0.251	0.250		10	0.659%	(-10.78) - (9.130)	EPA 200.8	
Barium - T	1003704	0.386	0.389		10	-0.699%	(-8.450) - (7.165)	EPA 200.8	
Barium - T	1008701	0.597	0.558		10	6.83%	(-8.450) - (7.165)	EPA 200.8	
Cadmium - T	1003704	0.236	0.238		10	-0.616%	(-8.141) - (7.826)	EPA 200.8	
Cadmium - T	1008701	0.272	0.255		10	6.41%	(-8.141) - (7.826)	EPA 200.8	
Chromium - T	1003704	0.250	0.252		10	-0.718%	(-9.836) - (10.01)	EPA 200.8 DRC	
Chromium - T	1008701	0.257	0.272		10	-5.44%	(-9.836) - (10.01)	EPA 200.8 DRC	
Lead - T	1008701	0.2614	0.2510		10	4.05%	(-7.926) - (6.912)	EPA 200.8	
Lead - T	1003704	0.2511	0.2504		10	0.267%	(-7.926) - (6.912)	EPA 200.8	
Mercury - T	1024110	0.0019	0.0020		1	-2.57%	(-11.41) - (8.638)	EPA 245.1	
Mercury - T	1024107	0.0020	0.0020		1	-2.53%	(-11.41) - (8.638)	EPA 245.1	
Selenium - T	1008701	1.23	1.15		10	6.88%	(-9.673) - (9.239)	EPA 200.8	
Selenium - T	1003704	1.17	1.17		10	-0.216%	(-9.673) - (9.239)	EPA 200.8	
Silver - T	1003704	0.2224	0.2211		10	0.591%	(-7.756) - (9.154)	EPA 200.8	
Silver - T	1008701	0.2298	0.2173		10	5.61%	(-7.756) - (9.154)	EPA 200.8	
Arsenic - TR	1022212	0.236	0.237		10	-0.292%	(-4.717) - (4.889)	EPA 200.8	
Barium - TR	1022212	0.280	0.285		10	-1.75%	(-4.177) - (3.993)	EPA 200.8	
Cadmium - TR	1022212	0.2380	0.2431		10	-2.11%	(-3.088) - (2.937)	EPA 200.8	
Chromium - TR	1022212	0.2422	0.2533		10	-4.51%	(-4.798) - (4.536)	EPA 200.8 DRC	
Lead - TR	1022212	0.2423	0.2428		10	-0.210%	(-2.991) - (2.988)	EPA 200.8	
Selenium - TR	1022212	1.16	1.17		10	-0.750%	(-3.413) - (4.097)	EPA 200.8	
Silver - TR	1022212	0.2295	0.2346		10	-2.20%	(-3.331) - (3.323)	EPA 200.8	
Benzene	0912541	1.19	0.915		1	26.2 %	(-14.93) - (10.99)	SW846 8021B-S	X
- Recovery within expected range.									
Ethylbenzene	0912541	0.992	0.938		1	5.60%	(-18.32) - (13.57)	SW846 8021B-S	
MTBE	0912541	0.905	0.908		1	-0.331%	(-12.04) - (9.725)	SW846 8021B-S	
Naphthalene	0912541	0.887	0.860		1	3.09%	(-29.52) - (28.08)	SW846 8021B-S	
Toluene	0912541	0.960	0.939		1	2.21%	(-15.80) - (11.94)	SW846 8021B-S	
Xylenes(o,m,p)	0912541	3.02	2.83		1	6.52%	(-15.61) - (12.30)	SW846 8021B-S	
TPH Gas	0912542	97.2	95.2		1	2.13%	(-17.29) - (12.10)	SW846 8015B-S	
TPH-Diesel	1009548	212	216		1	-1.87%	(-27.03) - (27.66)	SW846 8015B-S	
Initial Calibration Verification									
Arsenic - D		0.051	0.050		1	1.58%	(-6.205) - (5.397)	EPA 200.8	
Barium - D		0.049	0.050		1	-2.24%	(-7.711) - (7.649)	EPA 200.8	
Cadmium - D		0.049	0.050		1	-1.14%	(-6.766) - (6.838)	EPA 200.8	
Chromium - D		0.050	0.050		1	-0.980%	(-11.90) - (11.91)	EPA 200.8 DRC	

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method	
Initial Calibration Verification									
Lead - D		0.0499	0.0500		1	-0.180%	(-8.332) - (8.686)	EPA 200.8	
Selenium - D		0.247	0.250		1	-1.23%	(-7.190) - (5.329)	EPA 200.8	
Silver - D		0.0494	0.0500		1	-1.22%	(-6.951) - (9.977)	EPA 200.8	
Mercury - T		0.0028	0.0030		1	-5.67%	(-14.82) - (9.923)	EPA 245.1	
TPH-Diesel		926	1000		1	-7.40%	(-28.98) - (36.11)	SW846 8015B-S	
Continuing Calibration Verification									
Arsenic - D		0.049	0.050		1	-1.78%	(-8.834) - (6.650)	EPA 200.8	
Arsenic - D		0.049	0.050		1	-2.72%	(-8.834) - (6.650)	EPA 200.8	
Arsenic - D		0.049	0.050		1	-2.56%	(-8.834) - (6.650)	EPA 200.8	
Arsenic - D		0.049	0.050		1	-3.08%	(-8.834) - (6.650)	EPA 200.8	
Arsenic - D		0.048	0.050		1	-4.20%	(-8.834) - (6.650)	EPA 200.8	
Arsenic - D		0.048	0.050		1	-3.88%	(-7.049) - (2.769)	EPA 200.8	
Arsenic - D		0.052	0.050		1	3.66%	(-7.049) - (2.769)	EPA 200.8	X
- Within 10% of expected result									
Arsenic - D		0.048	0.050		1	-4.24%	(-7.049) - (2.769)	EPA 200.8	
Arsenic - D		0.047	0.050		1	-6.04%	(-7.049) - (2.769)	EPA 200.8	
Arsenic - D		0.047	0.050		1	-5.46%	(-7.049) - (2.769)	EPA 200.8	
Barium - D		0.048	0.050		1	-3.70%	(-5.461) - (2.495)	EPA 200.8	
Barium - D		0.049	0.050		1	-2.46%	(-5.461) - (2.495)	EPA 200.8	
Barium - D		0.049	0.050		1	-1.84%	(-5.461) - (2.495)	EPA 200.8	
Barium - D		0.049	0.050		1	-2.84%	(-5.461) - (2.495)	EPA 200.8	
Barium - D		0.049	0.050		1	-2.74%	(-5.461) - (2.495)	EPA 200.8	
Barium - D		0.049	0.050		1	-1.58%	(-6.032) - (2.454)	EPA 200.8	
Barium - D		0.050	0.050		1	-0.560%	(-6.032) - (2.454)	EPA 200.8	
Barium - D		0.049	0.050		1	-1.26%	(-6.032) - (2.454)	EPA 200.8	
Barium - D		0.051	0.050		1	1.46%	(-6.032) - (2.454)	EPA 200.8	
Barium - D		0.049	0.050		1	-2.44%	(-6.032) - (2.454)	EPA 200.8	
Cadmium - D		0.048	0.050		1	-3.66%	(-7.633) - (4.813)	EPA 200.8	
Cadmium - D		0.050	0.050		1	-0.540%	(-7.633) - (4.813)	EPA 200.8	
Cadmium - D		0.048	0.050		1	-3.14%	(-7.633) - (4.813)	EPA 200.8	
Cadmium - D		0.049	0.050		1	-2.80%	(-7.633) - (4.813)	EPA 200.8	
Cadmium - D		0.048	0.050		1	-3.48%	(-7.633) - (4.813)	EPA 200.8	
Cadmium - D		0.048	0.050		1	-4.26%	(-6.968) - (4.506)	EPA 200.8	
Cadmium - D		0.049	0.050		1	-1.70%	(-6.968) - (4.506)	EPA 200.8	
Cadmium - D		0.049	0.050		1	-1.56%	(-6.968) - (4.506)	EPA 200.8	
Cadmium - D		0.048	0.050		1	-4.06%	(-6.968) - (4.506)	EPA 200.8	
Cadmium - D		0.049	0.050		1	-1.38%	(-6.968) - (4.506)	EPA 200.8	
Chromium - D		0.051	0.050		1	2.30%	(-8.148) - (11.58)	EPA 200.8 DRC	
Chromium - D		0.045	0.050		1	-9.32%	(-8.148) - (11.58)	EPA 200.8 DRC	X
- Recovery was within 10% of expected value									
Chromium - D		0.051	0.050		1	2.26%	(-8.148) - (11.58)	EPA 200.8 DRC	
Chromium - D		0.050	0.050		1	-0.740%	(-8.148) - (11.58)	EPA 200.8 DRC	
Chromium - D		0.052	0.050		1	3.24%	(-8.148) - (11.58)	EPA 200.8 DRC	
Chromium - D		0.055	0.050		1	9.62%	(-12.84) - (15.14)	EPA 200.8 DRC	
Chromium - D		0.052	0.050		1	4.16%	(-12.84) - (15.14)	EPA 200.8 DRC	

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Continuing Calibration Verification								
Chromium - D		0.052	0.050		1	4.28%	(-12.84) - (15.14)	EPA 200.8 DRC
Chromium - D		0.052	0.050		1	4.88%	(-12.84) - (15.14)	EPA 200.8 DRC
Chromium - D		0.054	0.050		1	8.68%	(-12.84) - (15.14)	EPA 200.8 DRC
Lead - D		0.0497	0.0500		1	-0.640%	(-5.406) - (5.858)	EPA 200.8
Lead - D		0.0496	0.0500		1	-0.780%	(-5.406) - (5.858)	EPA 200.8
Lead - D		0.0493	0.0500		1	-1.50%	(-5.406) - (5.858)	EPA 200.8
Lead - D		0.0501	0.0500		1	0.120%	(-5.406) - (5.858)	EPA 200.8
Lead - D		0.0483	0.0500		1	-3.46%	(-5.406) - (5.858)	EPA 200.8
Lead - D		0.0496	0.0500		1	-0.740%	(-5.266) - (5.750)	EPA 200.8
Lead - D		0.0493	0.0500		1	-1.36%	(-5.266) - (5.750)	EPA 200.8
Lead - D		0.0507	0.0500		1	1.38%	(-5.266) - (5.750)	EPA 200.8
Lead - D		0.0503	0.0500		1	0.680%	(-5.266) - (5.750)	EPA 200.8
Lead - D		0.0494	0.0500		1	-1.26%	(-5.266) - (5.750)	EPA 200.8
Selenium - D		0.241	0.250		1	-3.61%	(-8.758) - (2.520)	EPA 200.8
Selenium - D		0.241	0.250		1	-3.66%	(-8.758) - (2.520)	EPA 200.8
Selenium - D		0.243	0.250		1	-2.72%	(-8.758) - (2.520)	EPA 200.8
Selenium - D		0.243	0.250		1	-2.86%	(-8.758) - (2.520)	EPA 200.8
Selenium - D		0.242	0.250		1	-3.29%	(-8.758) - (2.520)	EPA 200.8
Selenium - D		0.236	0.250		1	-5.56%	(-6.752) - (1.044)	EPA 200.8
Selenium - D		0.238	0.250		1	-4.79%	(-6.752) - (1.044)	EPA 200.8
Selenium - D		0.234	0.250		1	-6.22%	(-6.752) - (1.044)	EPA 200.8
Selenium - D		0.241	0.250		1	-3.71%	(-6.752) - (1.044)	EPA 200.8
Selenium - D		0.236	0.250		1	-5.48%	(-6.752) - (1.044)	EPA 200.8
Silver - D		0.0501	0.0500		1	0.280%	(-7.142) - (6.168)	EPA 200.8
Silver - D		0.0495	0.0500		1	-1.08%	(-7.142) - (6.168)	EPA 200.8
Silver - D		0.0486	0.0500		1	-2.80%	(-7.142) - (6.168)	EPA 200.8
Silver - D		0.0484	0.0500		1	-3.18%	(-7.142) - (6.168)	EPA 200.8
Silver - D		0.0483	0.0500		1	-3.50%	(-7.142) - (6.168)	EPA 200.8
Silver - D		0.0493	0.0500		1	-1.44%	(-7.537) - (6.339)	EPA 200.8
Silver - D		0.0484	0.0500		1	-3.28%	(-7.537) - (6.339)	EPA 200.8
Silver - D		0.0486	0.0500		1	-2.78%	(-7.537) - (6.339)	EPA 200.8
Silver - D		0.0504	0.0500		1	0.800%	(-7.537) - (6.339)	EPA 200.8
Mercury - T		0.0020	0.0020		1	1.00%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	1.50%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	0.00%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0021	0.0020		1	4.50%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0021	0.0020		1	6.50%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	1.50%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0051	0.0050		1	1.20%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	1.50%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0010	0.0010		1	-2.00%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0019	0.0020		1	-5.00%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	0.00%	(-8.173) - (8.233)	EPA 245.1
Mercury - T		0.0020	0.0020		1	1.50%	(-8.173) - (8.233)	EPA 245.1
Benzene		22.2	25.0		1	-11.2 %	(-20.27) - (-2.953)	SW846 8021B
Benzene		21.9	25.0		1	-12.3 %	(-19.70) - (-3.119)	SW846 8021B

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method	
Continuing Calibration Verification									
Benzene		22.9	25.0		1	-8.22%	(-19.70) - (-3.119)	SW846 8021B	
Ethylbenzene		24.4	25.0		1	-2.41%	(-19.68) - (0.9244)	SW846 8021B	
Ethylbenzene		25.4	25.0		1	1.45%	(-20.32) - (2.292)	SW846 8021B	
- Recovery was within 10% of expected value									
Ethylbenzene		23.8	25.0		1	-4.84%	(-20.32) - (2.292)	SW846 8021B	
MTBE		24.1	25.0		1	-3.57%	(-19.15) - (-2.766)	SW846 8021B	
MTBE		24.4	25.0		1	-2.28%	(-20.20) - (-1.163)	SW846 8021B	
- Recovery was within 10% of expected value									
MTBE		23.6	25.0		1	-5.72%	(-20.20) - (-1.163)	SW846 8021B	
Naphthalene		27.1	25.0		1	8.40%	(-42.44) - (11.23)	SW846 8021B	
Naphthalene		24.1	25.0		1	-3.41%	(-43.76) - (16.13)	SW846 8021B	
Naphthalene		31.2	25.0		1	24.9 %	(-43.76) - (16.13)	SW846 8021B	X
- Recovery was within 30% of expected value									
Toluene		24.0	25.0		1	-3.95%	(-19.57) - (-0.4291)	SW846 8021B	
Toluene		23.5	25.0		1	-5.98%	(-20.09) - (0.6999)	SW846 8021B	
Toluene		24.7	25.0		1	-1.15%	(-20.09) - (0.6999)	SW846 8021B	
Xylenes(o,m,p)		71.5	75.0		1	-4.69%	(-20.14) - (-1.747)	SW846 8021B	
Xylenes(o,m,p)		76.2	75.0		1	1.61%	(-20.78) - (-0.5730)	SW846 8021B	X
- Recovery was within 10% of expected value									
Xylenes(o,m,p)		69.7	75.0		1	-7.11%	(-20.78) - (-0.5730)	SW846 8021B	
TPH Gas		2000	2000		1	0.221%	(-10.62) - (9.044)	SW846 8015B	
TPH Gas		2060	2000		1	3.25%	(-10.41) - (9.117)	SW846 8015B	
TPH Gas		1740	2000		1	-12.9 %	(-10.41) - (9.117)	SW846 8015B	X
- Recovery was within 20% of expected value									
TPH-Diesel		1000	1000		1	0.200%	(-41.32) - (41.96)	SW846 8015B-S	
TPH-Diesel		910	1000		1	-9.00%	(-39.73) - (38.75)	SW846 8015B-S	
Lab Control Spike									
Benzene		0.904	0.00	1.00	1	90.4 %	(67.74) - (134.6)	SW846 8021B-S	
Ethylbenzene		1.01	0.00	1.00	1	100.9 %	(66.44) - (138.2)	SW846 8021B-S	
MTBE		0.979	0.00	1.00	1	97.9 %	(59.82) - (143.5)	SW846 8021B-S	
Naphthalene		0.874	0.00	1.00	1	87.4 %	(44.37) - (125.0)	SW846 8021B-S	
Toluene		0.969	0.00	1.00	1	96.9 %	(66.98) - (141.9)	SW846 8021B-S	
Xylenes(o,m,p)		2.96	0.00	3.00	1	98.7 %	(64.87) - (142.1)	SW846 8021B-S	
TPH Gas		83.0	0.00	100	1	83.0 %	(77.68) - (110.9)	SW846 8015B-S	
TPH-Diesel		162	0.00	200	1	81.2 %	(66.98) - (101.9)	SW846 8015B-S	
Initial Calibration Blank									
Mercury - T		0.0000	0.000		1	0.00001	(-0.0001) - (0.0001)	EPA 245.1	
Continuing Calibration Blank									
Arsenic - D		0.000	0.00		1	0.00005	(0.0000) - (0.0001)	EPA 200.8	
Barium - D		0.00	0.00		1	0	(0.0000) - (0.0000)	EPA 200.8	
Cadmium - D		0.00	0.00		1	0	(0.0000) - (0.0000)	EPA 200.8	
Chromium - D		0.00	0.00		1	0	(0.0000) - (0.0000)	EPA 200.8 DRC	
Lead - D		0.000	0.000		1	0	(0.0000) - (0.0001)	EPA 200.8	

Lab Numbers: **20251014541 - 20251014547**

Parameter	Lab#	QC Value	Smp Value	Spike	DF	Result	Limits	Method
Continuing Calibration Blank								
Selenium - D		0.000	0.00		1	0.00008	(-0.0001) - (0.0002)	EPA 200.8
Silver - D		0.0000	0.000		1	-0.00001	(-0.0001) - (0.0001)	EPA 200.8
Mercury - T		0.0000	0.000		1	-0.00004	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00004	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		-0.0001	0.000		1	-0.00005	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00003	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00003	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00003	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00004	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00002	(-0.0001) - (0.0001)	EPA 245.1
Mercury - T		0.0000	0.000		1	-0.00004	(-0.0001) - (0.0001)	EPA 245.1
Lab Reagent Blank								
Benzene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B-S
Ethylbenzene		0.00	0.00		1	0	(0.000) - (0.000)	SW846 8021B-S
MTBE		0.026	0.00		1	0.02558	(-0.0376) - (0.0986)	SW846 8021B-S
Naphthalene		0.00	0.00		1	0	(-0.0180) - (0.0209)	SW846 8021B-S
Toluene		0.00	0.00		1	0	(-0.0172) - (0.0214)	SW846 8021B-S
Xylenes(o,m,p)		0.00	0.00		1	0	(-0.0702) - (0.1375)	SW846 8021B-S
TPH Gas		0.169	0.00		1	0.16882	(-1.406) - (3.472)	SW846 8015B-S
TPH-Diesel		4.82	0.00		1	4.82	(-3.838) - (5.564)	SW846 8015B-S

Approved By: 

Approved On: 11/05/2025 11:34 AM

AMERICAN ENGINEERING TESTING, INC.

☐ St. Paul Office
550 Cleveland Ave. N.
St. Paul, MN 55114
651-659-9001
651-659-1379 (fax)

☒ OTHER Rapid City, SD

ADDRESS: 1745 Samco Rd
RC, SD 57702

PHONE: (605) 388-0029

16174

PAGE 1 OF 1

AET PROJECT NUMBER P-0047712

PROJECT NAME/LOCATION Johnson Siding General Store / RC, SD

AET PROJECT MANAGER Bradley Bishop

SEND REPORT TO Brad Bishop

SAMPLED BY (PRINT) Bradley P. Bishop

SAMPLER SIGNATURE Bradley P. Bishop

REQUESTED TURNAROUND TIME: ☒ NORMAL ☐ RUSH

DATE NEEDED BY: _____

ITEM#	SAMPLE DESCRIPTION	DATE	TIME	SAMPLE TYPE	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	MeOH	HCL	H_2SO_4	HNO_3	FIELD FILTERED Y/N	ANALYSIS: TPH-D	NAPHTHALENE	TPH-G	BTEX	TCLP-8 RCRA METALS	REMARKS
1	S5 / D-UST	10/13	1200	Soil	1	X					N	X	X				20251014 541
2	S6 / GB7-UST	10/13	1240	Soil	1	X					N		X	X	X		542
3	S8 / GP-UST	10/13	1300	Soil	1	X					N		X	X	X		543
4	S10 / D-DI	10/13	1345	Soil	1	X					N	X	X				544
5	S11 / GB7-DI	10/13	1400	Soil	1	X					N		X	X	X		545
6	S12 / GP-DI	10/13	1415	Soil	1	X					N		X	X	X		546
7	S13 / DI Composite	10/13	1430	Soil	2	X					N	X	X	X	X	X	547

NOTE: 3.3 °C on ice

ITEM NUMBER	RELINQUISHED BY/AFFILIATION	ACCEPTED BY/AFFILIATION	DATE	TIME
1-7	Bradley P. Bishop / AET		10/14/25	9:37

MIDCONTINENT TESTING LABORATORIES

SAMPLE RECEIPT CHECKLIST

Company Name: AET

Date/Time Received: 10/14/2025 (Date) / 0937 (Time)

Project: Johnson Siding /# P-0047712 (General store)

Received by: DA

Lab Number(s): 20251014541-547

Carrier Name: Hand Delivered

UNPACKING

Yes	No		Initials
☑	☐	1. Shipping container in good condition?	
☑	☐	2. Custody seals present on shipping container? Condition: Intact ☐ Broken ☐	
☑	☐	3. (Ice) / Blue Ice (circle one) present in shipping container? Container(s) Temp. 1. 3.3°C 2. _____ 3. _____ 4. _____	
☐	☑	4. Bottles broken and/or leaking? (Photograph broken bottles.)	
☐	☑	5. Custody seals on sample bottles? Condition: Intact ☐ Broken ☐	

LABELING

Yes	No		Initials
☑	☐	6. Chain of custody Present?	
☑	☐	7. Chain of custody includes signatures, dates, and times when relinquished and received?	
☑	☐	8. Chain of custody agrees with bottle count?	
☑	☐	9. Chain of custody agrees with labels?	
☑	☐	10. Samples received within holding times?	
☑	☐	11. Samples in proper container?	
☑	☐	12. Sufficient sample volume for indicated tests?	

PRESERVATIVE

Yes	No		Initials	Yes	No		Initials
☐	☐	13. Metals bottle(s) pH < 2?		☐	☐	17. TOC bottle(s) pH < 2?	
☐	☐	14. Nutrient bottle(s) pH < 2?		☐	☐	18. Oil & Grease bottle(s) pH < 2?	
☐	☐	15. Cyanide bottle(s) pH > 12?		☐	☐	19. Volatiles pH < 2?	
☐	☐	16. Sulfide bottle(s) pH > 9?					

COMMENTS:

APPENDIX D
Landfill Soil Disposal Ticket

City of Belle Fourche
Belle Fourche Landfill
511 6th Ave
Belle Fourche, SD 57717

Weighed: chelsea
Deposit: chelsea

DUPLICATE TICKET

BILL TO: 0
Cash Customer
Cash Customer

Vehicle ID:
Reference: 54183C
NAME: GREY DUMP TRUCK
Origin: BUTTE CO
Grid: LOOSEFILL

DATE IN: 11/13/25 TIME IN: 11:42:16
DATE OUT: 11/13/25 TIME OUT: 11:54:58

INBOUND
Ticket Number: 02-00054909

SCALE 1 GROSS WEIGHT	36200	LB
SCALE 1 TARE WEIGHT	22040	LB
NET WEIGHT	14160	LB

** REPRINTED BY **
chelsea at 11:55:06

Qty	Description		Amount
7.08	Contaminated Soil		141.60
	RATE:	20.00	
1.00	Convenience Fee		4.21
	RATE:	4.21	
	Gate Taxes		8.78
	TICKET AMOUNT:		154.59
	CARD/AUTH F#07882D		154.59

X_____