City of Smithville, Missouri
Board of Aldermen – Regular Session Agenda
7:00 p.m. Tuesday, January 7, 2025
City Hall Council Chambers and Via Videoconference

Anyone who wishes to view the meeting may do so in real time as it will be streamed live on the City's YouTube page.

Public Comment can be made in person or via Zoom, if by Zoom please email your request to the City Clerk at ldrummond@smithvillemo.org prior to the meeting to be sent the meeting Zoom link.

Join Zoom Meeting
https://us02web.zoom.us/j/82243146622

Meeting ID: 822 4314 6622
Passcode: 165331

1. **Call to Order**
2. **Pledge of Allegiance**
3. **Consent Agenda**
   - **Minutes**
     - December 17, 2024, Board of Aldermen Work Session Minutes
     - December 17, 2024, Board of Aldermen Regular Session Minutes
   - **Resolution 1433, MOU with Senior Board for Senior Services at the Smithville Senior Center**
     A Resolution authorizing and directing the Mayor to enter into an agreement with the Smithville Senior Board for Senior Services at the Smithville Senior Center.
   - **Resolution 1434, Acknowledgement of Emergency Purchase**
     A Resolution acknowledging the emergency purchase of wastewater pumps from FTC Equipment, LLC and pumping services from ACE Pipe Cleaning for the lift station at Harbor Lakes.
   - **Resolution 1435, Purchase of Parks and Recreation Zero-Turn Mower**
     A Resolution authorizing the expenditure of funds for the purchase of a John Deere Mower from Heritage Tractor for the Parks and Recreation Department through the Cooperative Purchasing Agreement with Sourcewell in the amount of $18,028.01.

REPORTS FROM OFFICERS AND STANDING COMMITTEES

4. **City Administrator's Report**

ORDINANCES & RESOLUTIONS

5. **Bill No. 3048-25, Rezoning 16000 North 169 Highway – 2nd Reading**
   An Ordinance changing the zoning classifications or districts of certain lands located in the City of Smithville, Missouri located at 16000 North 169 Highway. 2nd reading by title only.
6. **Bill No. 3049-25, Amending Conceptual Plan - Lakeside Farms – 2nd Reading**
   An Ordinance approving an amendment to a conceptual zoning plan for Lakeside Farms on certain lands located in the City of Smithville, Missouri. 2nd reading by title only.

7. **Bill No. 3050-25, Rezoning 800 NW 92 Highway – 2nd Reading**
   An Ordinance changing the zoning classifications or districts of certain lands located in the City of Smithville, Missouri located at 800 Northwest 92 Highway. 2nd reading by title only.

8. **Bill No. 3051-25, FY2025 Budget Amendment No. 3 – Emergency Ordinance Sponsored by Mayor Boley – 1st and 2nd Reading**
   An Ordinance amending the FY2025 Operating Budget to add $264,465.95 to the Combined Water and Wastewater Systems Fund. 1st and 2nd reading by title only.

9. **Bill No. 3052-25, Ballot Language for 1/2% Public Safety Sales Tax – 1st Reading**
   An Ordinance imposing a sales tax for public safety purposes at the rate of one-half of one percent, Pursuant to Section 94.903 R.S.Mo. and providing for submission of the proposal to the qualified voters of the City for their approval at the April 8, 2025 election. 1st reading by title only.

10. **Resolution 1436, Preliminary Plat – Lakeside Farms**
    A Resolution approving a preliminary plat for Lakeside Farms subdivision and authorizing the Mayor to execute a development agreement.

11. **Resolution 1437, Credit Card Processing**
    A Resolution approving the change of the City of Smithville's credit card processing system from Elavon to Tyler Technologies.

12. **Resolution 1438, Change Order No. 1, Water Treatment Plant Residuals Cleanout**
    A Resolution approving Change Order No. 1 to RFP 23-11 Water Treatment Plant Residuals Cleanout with Richards Construction Company.

OTHER MATTERS BEFORE THE BOARD

13. **Public Comment**
    Pursuant to the public comment policy, a request must be submitted to the City Clerk prior to the meeting. When recognized, please state your name, address and topic before speaking. Each speaker is limited to three (3) minutes.

14. **New Business From The Floor**
    Pursuant to the order of business policy, members of the Board of Aldermen may request a new business item appear on a future meeting agenda.

15. **Adjournment to Executive Session Pursuant to Section 610.021 (1&2) RSMo.**

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Administration/Parks/Public Works

AGENDA ITEM: Consent Agenda

REQUESTED BOARD ACTION:
The Board of Aldermen can review and approve by a single motion. Any item can be removed from the consent agenda by a motion. The following items are included for approval:

- **Minutes**
  - December 17, 2024, Board of Aldermen Work Session Minutes
  - December 17, 2024, Board of Aldermen Regular Session Minutes
- **Resolution 1433, MOU with Senior Center Board**
  A Resolution authorizing and directing the Mayor to enter into an MOU with the
- **Resolution 1434, Acknowledgement of Emergency Purchase**
  A Resolution acknowledging the emergency purchase of wastewater pumps from FTC and pumping Services from ACE Pipe Cleaning for the lift station at Harbor Lakes.

SUMMARY:
Voting to approve would approve the Board of Aldermen minutes and the Resolution.

PREVIOUS ACTION:
N/A

POLICY ISSUE:
N/A

FINANCIAL CONSIDERATIONS:
N/A

ATTACHMENTS:

☐ Ordinance
☒ Resolution
☐ Staff Report
☒ Other: Quote
☒ Contract
☐ Plans
☒ Minutes

SMITHVILLE BOARD OF ALDERMEN
WORK SESSION
December 17, 2024 5:30 p.m.
City Hall Council Chambers and Via Videoconference

1. Call to Order

Mayor Boley, present, called the meeting to order at 5:29 p.m. A quorum of the Board was present: Melissa Wilson, Marv Atkins, Leeah Shipley, Kelly Kobylski, Dan Hartman and Ronald Russell.

Staff present: Cynthia Wagner, Gina Pate, Chief Lockridge, Chuck Soules, Rick Welch, Jack Hendrix, Matt Denton and Linda Drummond.

2. Discussion of Main Street District Public Art Project

Gina Pate, Assistant City Administrator noted that in August, there was a joint work session with the Economic Development Committee, where updates were shared about the comprehensive plan and the strategic plan. One key idea that came up was a public mural art program focused on the downtown area, as mentioned in the comprehensive plan. To help develop this program, staff from the MU Extension office were invited to provide guidance. The Smithville Main Street District expressed their priorities for an art mural at the bathroom location facing Courtyard Park. This site was favored by both groups for the project.

The Smithville Main Street District is preparing to call for artists to participate, but they seek feedback from the board because the location is on city-owned property. A significant point raised in August was to involve high school students in a mentoring program with local artists. Carol Noecker with the School District is present to assist in involving students in this project. This initiative would be a partnership involving the city and these groups, aligning with the strategic and comprehensive plans.

There are staff considerations regarding ongoing maintenance costs of the mural, therefore, it is suggested to create a Memorandum of Understanding (MOU) to ensure maintenance is covered. Concerns about the proposed location include potential visibility issues due to cars, existing signage, and a bike rack. When calling for artists, the design will need to consider these factors. Feedback is requested from the board on the location. If rejected, the project coordinators may have to work with private property owners. Community feedback from events suggested a theme of "Lake Life," which may not be favored by private owners, who may not choose the same theme. She asked the Board for feedback on the location.

Mayor Boley noted that the point of this is to have people come and take pictures with the mural but with the cars parked close by, it will not necessarily work. We would need to block parking in certain parking spots. We also have to ensure that the tornado shelter sign stays visible. He noted that the wall area on the restroom is small, limiting how big a mural can be. It may not be suitable for photo ops. He asked if they discussed using private property. Mayor Boley said that he had seen an idea for murals using sheet of plywood making a temporary canvas, which could be painted, auctioned, and displayed elsewhere as part of traveling art. He explained that it could then be displayed on the stage and be a much better backdrop.

Matt Denton, Parks Director, explained that last summer, maintenance staff did a signage inventory and noticed that tornado shelters were missing from our restrooms. We installed signs in visible areas for the community, the space between the two windows seem to be the best location in the courtyard so you would see that sign and could take cover.

Mayor Boley said that we could block off those parking spots, but from an economic impact standpoint, it may not be the best location for a mural.

Matt added that in conversations with the Parks and Recreation Committee they advised not blocking off those parking spots because of the Farmer's Market.

Alderman Russell said that he believed it is a good location and asked if there would be some way to incorporate the bike rack into the mural and paint it.

Alderman Wilson asked about using the south side for the mural. She said there is a sign on the south side about who helped raise the funding for that bathroom, it could maybe be incorporated into the mural or moved to the west side.

Alderman Kobylski said she agreed the south side would be a better location for the mural. She noted that it would be safer for people to stand and cars not be in the way. She said that she liked the west side, but the parking spots would need to be blocked off.

Alderman Hartman agreed with using the south side for a mural. He asked if there were any concerns about using the south side.

Matt did not have any concerns about using the south side.

Mayor Boley said that he did not think the west side is a good option and added that if there is an MOU for the project, maintenance of the mural should be added for the touch-ups that it will need.

Gina explained that the MOU would include Smithville Main Street District will be responsible for maintaining it and probably have it be with the call for artists as part of that contract. Gina noted that staff had not really gotten in to the MOU yet since we wanted Board feedback for the project.

Cynthia suggested getting assistance from the Missouri Extension and what they have done in other locations.

Mayor Boley asked if they had reached out to any business owners about the prospect of putting the mural on their building.

Gina said that Smithville Main Street District had not contacted any business owners yet and wanted to go the public route first. They hope this will inspire private property owners to have murals on their buildings as well.

Alderman Kobylski said that she likes the traveling mural.

Mayor Boley agreed and added that brick is difficult to paint.

Alderman Russell said he thought the south side was a good option.

Alderman Kobylski noted that the south side is not a very big wall.

Alderman Shipley said that she would like to see this building used. She noted that it would add more value to the downtown than just the photo opportunities.

Mayor Boley said he would rather see using this to dress up the back of the stage.

Alderman Shipley said people would see this wall as a chance to create something beautiful, and it would definitely be an improvement. She believed this building presents a great opportunity, no matter which side works best. Alderman Shipley did not think the parked cars will be much of a problem since this most likely would not be a midday photo spot. Instead, people downtown for events will likely be taking photos or even a spot for senior photos. She also likes the idea of enhancing this building to make it more attractive.

Mayor Boley asked if we could get a smaller public restroom sign for the building.

Matt explained that sign was recommended because visitors did not know it was a public restroom.

Alderman Kobylski asked if we could get a more decorative sign.

Alderman Wilson noted that she recommends the south side because when events are held in the Courtyard vendors set up on the west side of the restroom.

Matt noted that there is a window on that side, and it is shaded a lot of the time.

Alderman Atkins asked if the mural would be permanent or changed every few years to get more artist/students involved.

Gina explained that they would reach out to the Missouri Extension on their recommendations for the lifespan of the mural to make sure it is properly maintained and when is the proper replacement for a location.

The Board all agreed to use the south side of the restroom.

Gina noted that she will take the recommendations of the south side and the traveling mural to the Smithville Main Street District.

Carol Noecker, with the School District, added that a traveling mural would work better for the students. They would be able to paint it at school and the weather would not be an issue.

3. Discussion of Public Safety Sales Tax Follow Up

Gina Pate, Assistant City Administrator noted that in October, we met to discuss the upcoming April 8, 2025, election for the Public Safety sales tax. The Board provided feedback on needing clearer language and a better communication plan, along with more community involvement. Chief Lockridge, Cynthia, and she researched what other

communities did for their campaigns and created a tailored communications plan for Smithville's needs.

Staffs recommended communications plan aims to support recruitment and retention of officers, funding for necessary public safety equipment, and the implementation of a full-time animal control program. In the past two months, staff reviewed various ideas which are detailed in the memo. Key highlights include naming the ballot language Proposition P for easier messaging and specifically mentioning funding for the Police Department to avoid confusion.

Staff plans to hold informational meetings for the public and community groups to explain how City budgeting works, how the department is presently funded, and the challenges we face. Staff encourage Aldermen to attend both Ward meetings and public meetings at City Hall and the Senior Center to increase public participation.

Staff is developing an eight-week social media plan, focusing each week on different aspects of what the Public Safety Sales Tax would fund to keep the messaging fresh. An informational brochure will be available at City Hall, and updates will be included in the citizen newsletters mailed with utility bills to better educate the public.

Additionally, formation of a committee with two City staff members and four representatives from the recent Citizens Academy class to help refine our educational plan is proposed. The FY2025 budget does not include costs for this ballot or marketing materials, but we estimate needing around $10,000. Staff would need to bring forward a budget amendment in January since we will not know the exact amount the election will cost because the total election cost is shared proportionally with multiple jurisdictions involved.

Mayor Boley asked if Chief Lockridge had talked to any other municipalities about also putting this question on the ballot. He noted that he knew that Raymore for the same and a couple of others were putting bond questions on for police stations.

Chief Lockridge said that in the Platte and Clay area he did not know of any other municipalities that are looking at Public Safety sales tax or any kind of funding at this time. He explained that another municipality contacted him about getting a Public Safety Sales Tax approved, after learning about starting in Jefferson City. slowed their progress. We provided information and contacts to assist them.

Cynthia noted that the funds from the Public Safety sales tax will not support a police facility. Many surrounding cities, including Gladstone, Riverside and Parkville have passed the Public Safety Sales Tax successfully and Kearney is considering it.

Cynthia thanked Gina and Chief Lockridge for putting this information together. This education campaign is more thorough than any other initiative we have done, which is what the Board requested. Gina is currently in a mentoring program with the City Manager of Independence, and we have discussed what was done in Liberty years ago regarding this and what recent Cities have done for this ballot issue. Although this is an education campaign, John Reddoch will review all the information. We provide information only this is not about trying to be persuasive.

Mayor Boley noted that he believed that Raymore's campaign is that they are looking at paying for staffing first before they go out and try to build a police station. Which is how we have been looking at this also, we need to be able to pay staff.
Alderman Hartman thanked staff for improving the sales tax information. He noted that he believed the last sales tax we did had a 20-year sunset. He asked if he was correct that the state statute determines that, and we cannot choose a 10-year term.

Cynthia said that our language indicates 20-year sunset.

Alderman Hartman noted that he understands that sales tax collection can be complicated and confidential. However, in our campaign, we should communicate clearly and provide data on the geographical sources of sales tax collection. Alderman Hartman said it would be useful to educate the public on where shoppers come from that shop in Smithville as part of the campaign. Most residents might think that a large portion of our sales tax comes from local residents spending, but many also contribute to it while traveling for business or events in the area, as we do when we travel to other municipalities.

Cynthia explained that the information we get from the state on those remittances does not include where the sales tax comes from.

Mayor Boley said that you would have to get that information from the business owners.

Cynthia noted that Placer AI would be able to help us identify that data.

Alderman Hartman said he wants to ensure this campaign helps makes people realize they do not carry the entire burden on their shoulders.

Mayor Boley noted that some pay a membership fee to shop somewhere else and pay a lot higher sales tax to that municipality.

Alderman Hartman asked if he was correct that if someone purchases lumber from a business in Smithville and has it delivered to an address in another municipality, the sales tax is collected by that municipality.

Rick Welch, Finance Director, said that it was correct. The sales tax is collected based on delivery address.

Mayor Boley noted that also works for deliveries here in Smithville, we collect the sales tax.

Alderman Hartman said that this is incredibly complex, but if people would think about it, residents are not the only ones that are paying the sales tax in their communities and that is what he is trying to communicate. People just need to look at their own speeding habits to realize that.

Mayor Boley noted that our property tax is funded 100% by Smithville residents and sales tax is not.

Alderman Hartman said that hopefully we can use Placer AI to give us a better idea of the percentage of sales tax that is generated from people not residents of Smithville. He

added that a lot of people think that we do not need another sales tax, but this is to benefit our Police Department.

Mayor Boley noted that our property tax collections are around a million dollars and our police budget a little more than a million dollars. The remainder of the police budget comes from sales tax and as Chief Lockridge can tell you from the numbers of tickets they write they are not all to Smithville residents. He added that if that proportion carries true with lake visitors and everyone else then probably 30% of the sales tax we collect is not from residents.

Alderman Wilson suggested we could say if you cannot buy local, shop online because we would still get the sales tax.

Alderman Hartman noted that he is very passionate about this and realizes that this is an informational campaign.

Mayor Boley clarified that it is only informational from the City staff perspective, not for the elected officials.

Cynthia noted that the information from City Hall is for informational purposes. Alderman Hartman discussed funding, Cynthia reminded everyone that the current funding level for the Police Department will set the base for future funding. If a new tax is approved, the police budget cannot be reduced, meaning the tax would support increased salaries and other expenses. She noted that as Alderman Hartman mention the sunset on the tax and explained that it is better to have the longer sunset period of time. Once the sunset ends for the tax it would put a strain on the budget. It is important to inform citizens effectively so they can make informed decisions. She clarified that this funding cannot replace existing funds; it is meant to provide new.

Alderman Hartman said that when we provide the citizens all of the information he believes they will be able to make an intelligent decision. We just did not take the opportunity to do that last time we took this to the ballot. Last time there was a lot of questions and a lot of frustration with other increases across the board. He added that we have to get this right and he believes the citizens will make the decision that they need to make.

Alderman Wilson thanked Gina for her efforts. She noted that with this information, we are much further ahead than before and appreciated the staff's work.

Alderman Russell also thanked staff for their efforts on this. He noted that Proposition P is a little catchier title for it. He said he was sure everybody has read this that statute section 94 to 903 is for 4th class cities. It says cities with less than 9,500 but fewer than 10,800 inhabitants and our census numbers are right up against that. He said that this is probably the last chance to pass this and if it does not it is done. That is why it is really important on the timing of this proposal.

Alderman Russell read that this is solely for improving the public safety for such city, including but not limited to 1) enhancements to officer compensation to aid in recruitment and retention of officers; 2) fund necessary public safety equipment and staff to support community growth; and 3) implementation of a full-time animal control program. He noted that in discussions before we did not have enough animal calls to support an animal control officer.

Alderman Russell said that this reads like a forever tax whether we grow or not beyond the 10,800. He said as Alderman Hartman mentioned a sunset, but he did not see a sunset applicable in the statute. He did see the right for the voters for appeal tax after 12 months and that is something we might need to run by John Reddoch. Alderman Russell said to him this is an unnecessary sales tax and that the citizens do not need and that we as the city do not need. He did though appreciate what Gina and Chief had done as far as putting together. It looks really catchy, and it is a good promotion.

Alderman Wilson noted, the sales tax is something that is generated by people who live outside of the city and many visitors come to spend money here. These visitors bring in tax revenue. They use our roads, and our police enforce the law for them just as for our citizens. Alderman Wilson noted that a sales tax changes the burden from being solely on Smithville residents. She said she believes the sales tax is a good thing.

Mayor Boley said that the Governor signed a Bill for this that states the 20-year sunset.

Cynthia noted that the legislation is very confusing due to multiple amendments allowed to individual cities. John Reddoch has reviewed the information and agrees there is a 20-year sunset

Mayor Boley thanked our former state representative and our current state representative for their work on this.

Alderman Hartman noted that as our city grows and our retail locations increase, it will help us capture more sales tax.

Mayor Boley noted that this sales tax would be 100% captured because is would be passed after the TIFs and CIDs.

Cynthia explained that the ballot language must be certified and submitted to the county clerk's office by the end of January. Staff plans to bring forward the first reading at the January 7 meeting and the second reading at the January 21 meeting.

4. FY2024 Year End Update

Rick Welch, Finance Director presented the FY2024 Year End update.

General Fund – FY2024 Performance

Revenue Budget Recap

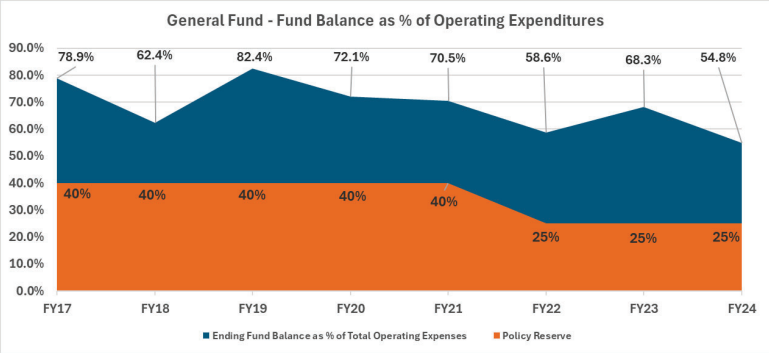
- Moderate increase in revenues
  - Property Tax
  - Sales Tax
  - Use Tax
  - Motor Fuel Tax

Expenditure Budget Recap

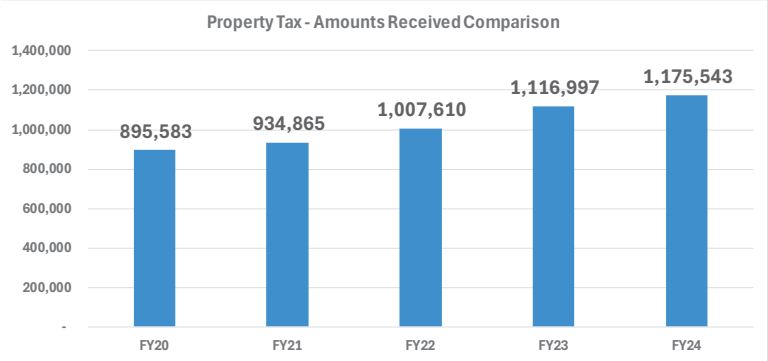
- Small variances
  - Salary and Wages
  - Capital Improvements

General Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 3,262,490	$ -	$ 3,963,979	$ 701,489
Revenues	$ 6,266,986	$ 6,674,967	$ 6,942,100	$ 675,114
Expenditures	$ 7,100,790	$ 7,406,812	$ 7,099,528	$ (1,262)
Ending Cash Balance	$ 2,428,686	$ 3,219,449	$ 3,806,551	$ 1,377,865

General Fund – Fund Balance Analysis

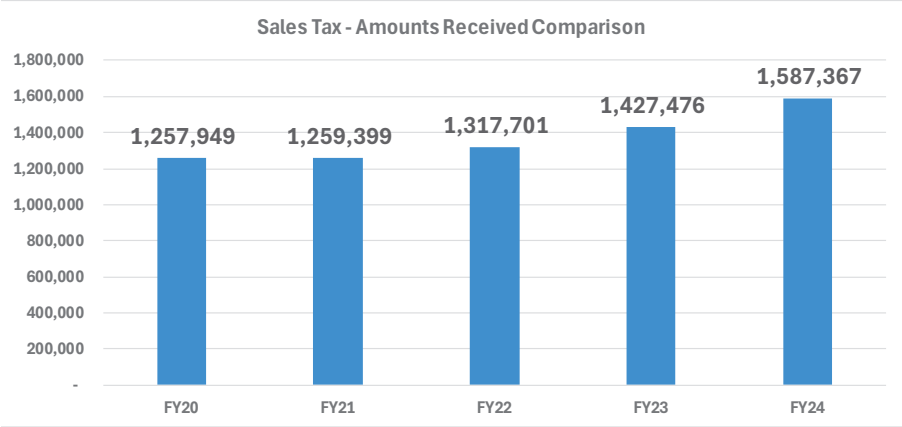


FY2024 Property Tax



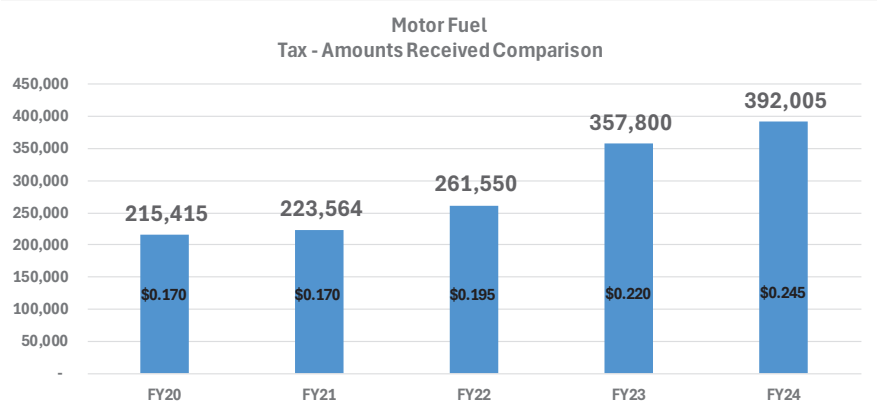
In FY24, sales tax receipts increased by 5.2% over FY23.

FY2024 City Sales Tax



In FY24, sales tax receipts increased by 11.2% over FY23.

FY2024 Motor Fuel Tax



In FY24, sales tax receipts increased by 9.6% over FY23.

On October 1, 2021, the Missouri Fuel Tax Rate increased from 17 cents per gallon to 19.50 cents per gallon. The tax is set to increase by the same amount yearly between 2021 and 2025 on July 1 of each year.

Combined Water and Wastewater Fund – FY2024 Year End Financial Review

CWWS Fund – FY2024 Performance

Combined Water & Wastewater Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 6,589,526	$ -	$ 6,333,054	$ (256,472)
Revenues	$ 10,683,600	$ 6,618,941	$ 6,604,273	$ (4,079,327)
Expenditures	$ 15,704,620	$ 5,937,037	$ 4,667,979	$ (11,036,641)
Ending Cash Balance	$ 1,568,506	$ 681,904	$ 8,269,348	$ 6,700,842

Revenue Performance
- Operational revenue results close to forecasted budget
- No COP Issuance ($4.2M)

Expenditure Savings
Significant projects delayed:
- 144th Street Lift Station and West Bypass ($3.9M)
- Stonebridge Lift Station ($1.5M)
- Smith's Fork Force Main ($470k)
- Water Treatment Plant Improvements ($900k)
- Maple Lane & River Crossing Waterline ($1.4M)

Special Sales Tax Fund – FY2024 Year End Financial Review

Transportation Sales Tax Fund FY2024 Review

Transportation Sales Tax Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 537,204	$ -	$ 569,431	$ 32,227
Revenues	$ 1,168,950	$ 682,217	$ 738,322	$ (430,628)
Expenditures	$ 1,699,140	$ 739,140	$ 599,249	$ (1,099,891)
Ending Cash Balance	$ 7,014	$ 480,281	$ 708,503	$ 701,489

Expenditure Savings

- Commercial Sidewalks moved to FY2025

Capital Improvement Sales Tax Fund FY2024 Review

Capital Improvement Sales Tax Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 668,200	$ -	$ 692,055	$ 23,855
Revenues	$ 1,240,750	$ 762,472	$ 776,869	$ (463,881)
Expenditures	$ 1,906,340	$ 418,340	$ 790,292	$ (1,116,048)
Ending Cash Balance	$ 2,610	$ 1,012,332	$ 678,632	$ 676,022

Expenditure Savings

- Streetscape Phase III moved to FY2025

Parks and Stormwater Sales Tax Fund FY2024 Review

Park and Stormwater Sales Tax Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 983,800	$ -	$ 1,491,839	$ 508,039
Revenues	$ 933,750	$ 752,156	$ 774,822	$ (158,928)
Expenditures	$ 1,021,000	$ 618,577	$ 704,533	$ (316,467)
Ending Cash Balance	$ 896,550	$ 1,117,379	$ 1,562,128	$ 665,578

Expenditure Savings

- Emerald Ridge Neighborhood Park & Signage expenditures moved to FY2025.

Sanitation Fund FY2024 Year End Financial Review

Sanitation Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 64,925	$ -	$ 69,567	$ 4,642
Revenues	$ 938,757	$ 920,573	$ 924,551	$ (14,206)
Expenditures	$ 931,805	$ 924,397	$ 907,202	$ (24,603)
Ending Cash Balance	$ 71,877	$ 61,101	$ 86,916	$ 15,039

Vehicle and Equipment Replacement Fund FY2024 Year End Financial Review

VERF Fund	FY24 Original Budget	FY24 Forecasted	FY24 Actual	Variance (Budget vs Actual)
Beginning Cash Balance	$ 210,780	$ -	$ 163,722	$ (47,058)
Revenues	$ 374,398	$ 373,851	$ 373,851	$ (547)
Expenditures	$ 423,547	$ 465,487	$ 462,387	$ 38,840
Ending Cash Balance	$ 161,631	$ 119,144	$ 75,187	$ (86,444)

Expenditures

- Vehicle lease costs increased for Police patrol vehicles from the General Fund. Increased funding for FY25 has been budgeted to match the expenditure increase.
- Total leased vehicles: 38

Alderman Russell asked if Rick had checked if other municipalities had seen an increase in the Use Tax.

Rick noted that on both sides of the state line, tax and sales tax have been a pleasant surprise. In 2024, many cities benefited from the rapid increase. They were cautious in their budgets, but the taxes have remained steady, providing a nice surprise, though with some anxiety about the future.

5. Review of Senior Service's Programs

Matt Denton, Parks and Recreation Director, noted that the memo discusses the progress and future plans for the Smithville Senior Services programs from 2013 to 2024. At the end of 2023, the organization secured $54,000 in grant funding to support the senior center and hire a part-time Senior Services Coordinator. This decision was beneficial, leading to increased attendance and expanded programs at the Senior Center. The Senior Services Coordinator, Amy Alexander, effectively promotes events and enhances communication with the seniors, contributing to a growing number of new visitors. The Meals on Wheels program has also transitioned under her role, leading to more volunteers and users of the service.

As the 2025 budget season approaches, staff have worked with Clay County Senior Services to secure an additional $14,000 in grant funding. This funding will allow the us to expand meal offerings to five days a week and introduce alternative programs on Tuesdays and Thursdays. Planning is currently underway for these changes to begin on February 1. Staff are in discussions with program coordinators to finalize details.

Matt noted that the Senior Center's program is now managed by the Parks and Recreation Department. The Senior Center board has decided not to renew its 501c3 status. Financial management and daily responsibilities are now overseen by City staff, a change approved by the Senior Center board. The board will still provide guidance on the volunteers and the programs they wish to see implementing. The Senior Services Coordinator oversees the daily operations.

To reflect these changes, staff recommend transitioning from a Cooperative Agreement to a Memorandum of Understanding (MOU) to clarify the duties and responsibilities of both the Senior Center board and City staff. The MOU also will maintain the Senior Center board's continued involvement. An MOU draft is attached for future adoption. The

ongoing support of volunteers is recognized as essential for the successful operation of the senior center, and the Senior Center board is eager to approve the new agreement.

Alderman Hartman asked if the dedicated bank account for donation funds is also used for the Senior Center rental funds or do they go to a City fund.

Matt explained that the Seniors had a dedicated bank account they used to receive the grant funding. When the Parks and Recreation Department took over the Senior Center the grant funding went to the City so we could better manage the expenses and revenues for it. The Senior Center received a donation of $5,000 last year and rather than the City manage those funds the Senior Center board manages them and uses the funds to help with lunches, gifts or prizes for holidays or events. They are also using that account for other donations that will go towards helping meals on wheels recipients who need help with the meals.

Alderman Hartman said that he believes that the Senior Center Board is very important, and he wants to see them maintain it and help with the daily decisions.

Alderman Russell asked if the funding we received for the Senior Services Coordinator as well as the additional funding received is something that would need to be requested annually.

Matt explained that we have to reapply for the grant funds annually.

Alderman Russell asked to explain what the role of a Senior Services Assistant would be.

Matt explained that the Senior Services Assistant would support the Senior Services Coordinator in the Smithville Senior Center's daily operational and administrative functions. He said that with the volunteers are aging and their reliability of being able to come and help every day has decreased. The seniors understand the need for the volunteers to keep the Senior Center running but are not always able. We had some issues this summer getting enough volunteers, so this position will allow us to have someone more reliable for Amy and to help out during lunch services for attendance, taking the money, getting the food ready to serve and cleanup.

Mayor Boley noted that the position also give us additional people with food handler certification. He explained that even the volunteers need to be food handler certified.

Matt added that this position also will help cover for Amy when she is off.

Alderman Russell asked where the funding would come from for that position.

Matt explained that the Senior Services Assistant position will also be funded through the grant.

Mayor Boley asked if staff was pursuing grants through the Mid-America Regional Council (MARC).

Matt said that staff has to look into that because MARC grants require you to use a different food service. In discussions with the Senior Center Board and some of the patrons, they do not want to go back to Don Bosco meals. They feel like it would hinder

attendance. He said staff would look into applying for a MARC grant as long as they can keep going through Price Chopper for their food service.

Alderman Hartman said that he agreed that the MOU was best.

Matt explained that staff would take the MOU to the Senior Center board for approval, then once approved staff would bring it forward for Board of Aldermen approval.

6. Adjourn

Alderman Hartman moved to adjourn. Alderman Russell seconded the motion.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared the Work Session adjourned at 6:48 p.m.

_____ _____

Linda Drummond, City Clerk Damien Boley, Mayor

SMITHVILLE BOARD OF ALDERMEN
REGULAR SESSION

December 17, 2024 7:00 p.m.
City Hall Council Chambers and Via Videoconference

1. Call to Order

Mayor Boley, present, called the meeting to order at 6:59 p.m. following the Work Session. A quorum of the Board was present: Marv Atkins, Melissa Wilson, Leeah Shipley, Kelly Kobylski, Dan Hartman and Ronald Russell.

Staff present: Cynthia Wagner, Gina Pate, Chuck Soules, Chief Lockridge, Rick Welch, Jack Hendrix, Matt Denton and Linda Drummond.

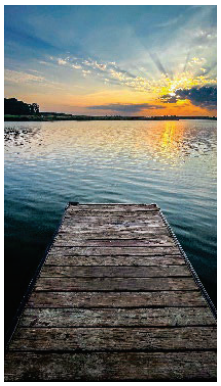
2. Pledge of Allegiance lead by Mayor Boley

3. 2024 Photo Contest

First Place Winner – Torrie Booher - $75 Chamber Cash

Second Place Winner – Amy Harvey – (unable to attend the meeting) - $50 Chamber Cash

Third Place Winner – Tave Leatherman - $25 Chamber Cash



A total of 59 photos were submitted from 19 participants.

4. Consent Agenda

- **Minutes**
  - December 3, 2024, Board of Aldermen Work Session Minutes
  - December 3, 2024, Board of Aldermen Regular Session Minutes
- **Finance Report**
  - Financial Report for November 2024
- **Resolution 1429, City Surplus**
  A Resolution declaring certain property as surplus.
- **Resolution 1430, Leak Adjustment**
  A Resolution approving a water and wastewater leak adjustment request for Juan Luevano in the amount of $306.71.
- **Resolution 1431, Upgrade to the UV Disinfection System**
  A Resolution approving the purchase of Ultra-Violet System upgrade from Trojan Technologies for the Wastewater Treat Plant.

Alderman Atkins moved to approve the consent agenda. Alderman Hartman seconded the motion.

No discussion.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared the consent agenda approved.

REPORTS FROM OFFICERS AND STANDING COMMITTEES

5. Committee Reports

Alderman Wilson reported on the December 10 Planning and Zoning Commission meeting. There were 64 permits issued for Fairview Crossing Townhomes. Nodaway Valley Bank has pulled their permit. Work has begun on the property west of the post office. They also discussed items eight, nine and ten on the agenda this evening.

6. City Administrator's Report

Cynthia had a few updates to share regarding the information provided in the packet. Our utility staff has received numerous calls this week about water bills. Normally, these bills are sent out within two days after we send the information to our billing contractor. However, because of the holidays, information was provided to them on Tuesday, November 26. With that being Thanksgiving week, it caused a delay. The bills did not make it to the post office until the following week, resulting in a full week of delay. As mentioned by the Mayor, there have been delays in the postal system. Many bills reached mailboxes over the weekend, with the due date this week and shut-off notices scheduled for next week. We are assisting those who come in and encouraging them to sign up for email notifications or use ACH for payments. We recognize that this change is challenging for people and we apologize.

Cynthia noted that there is ongoing work downtown. Excavation has started on Main Street as part of the 110 Smithville Main and Mill project, which includes creating additional parking behind the Senior Center. Grading for the parking lot is expected to begin next week. As

Alderman Wilson noted, there have been a significant number of building permits issued, with 47 since November 1 and a total of 74 for 2024, primarily for the Fairview Crossing Townhomes project. Additionally, five commercial building permits have been issued, with two more pending.

City Hall will be closed for Christmas on December 24 and 25 and for New Year's on December 31 and January 1. Cynthia wished everyone Happy Holidays and noted that she sent out information regarding the calendar for April 2025. The Board Retreat will be on Thursday, April 17, with a plan to finish up on Friday, April 18, if needed. She asked that the Board make sure to add this to their planning calendars.

Mayor Boley reminded everyone of the change the Board made to the utility bills adding the longer grace period.

ORDINANCES & RESOLUTIONS

7. Bill No. 3047-24, FY2025 Budget Amendment No. 2 – Emergency Reading Sponsored by Mayor Boley – 1st and 2nd Reading

Alderman Atkins moved to approve Bill No. 3047-24, amending the FY2025 Operating Budget to add $10,000 to the Combined Water and Wastewater Fund. 1st reading by title only. Alderman Hartman seconded the motion.

No discussion.

Upon roll call vote:
Alderman Wilson - Aye, Alderman Shipley- Aye, Alderman Russell – Aye,
Alderman Hartman- Aye, Alderman Kobylski – Aye, Alderman Atkins - Aye.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared Bill No. 3047-24 approved first reading.

Alderman Atkins moved to approve Bill No. 3047-24, amending the FY2025 Operating Budget to add $10,000 to the Combined Water and Wastewater Fund. 2nd reading by title only. Alderman Hartman seconded the motion.

No discussion.

Upon roll call vote:
Alderman Atkins - Aye, Alderman Wilson - Aye, Alderman Kobylski – Aye,
Alderman Russell - Aye, Alderman Hartman – Aye, Alderman Shipley - Aye.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared Bill No. 3047-24 approved.

8. Bill No. 3048-25, Rezoning 16000 North 169 Highway - 1st Reading

Alderman Atkins moved to approved Bill No. 3048-25, changing the zoning classifications or districts of certain lands located in the City of Smithville, Missouri located at 16000 North 169 Highway. 1st reading by title only. Alderman Kobylski seconded the motion.

No discussion.

Upon roll call vote:
Alderman Hartman - Abstained, Alderman Kobylski - Aye, Alderman Atkins – Aye,

Alderman Wilson - Aye, Alderman Shipley – Aye, Alderman Russell - Aye.

Ayes – 6, Noes – 0, Abstained – 1, motion carries. Mayor Boley declared Bill No. 3048-25 approved first reading.

9. Bill No. 3049-50, Amending Conceptual Plan – Lakeside Farms – 1st Reading

Alderman Atkins moved to approve Bill No. 3049-25, approving an amendment to a conceptual zoning plan for Lakeside Farms on certain lands located in the City of Smithville, Missouri. 1st reading by title only. Alderman Hartman seconded the motion.

Alderman Russell asked what the change does to the plan.

Jack Hendrix, Development Director explained that it increases the 232 units to 289 units, making the lot sizes smaller.

Upon roll call vote:
Alderman Shipley - Aye, Alderman Kobylski- Aye, Alderman Wilson – Aye,
Alderman Hartman - Aye, Alderman Atkins – Aye, Alderman Russell - No.

Ayes – 5, Noes – 1, motion carries. Mayor Boley declared Bill No. 3049-25 approved for first reading.

10. Bill No. 3050-25, Rezoning 800 NW 92 Highway – 1st Reading

Alderman Atkins moved to approved Bill No. 3050-25, changing the zoning classifications or districts of certain lands located in the City of Smithville, Missouri located at 800 Northwest 92 Highway. 1st reading by title only. Alderman Hartman seconded the motion.

No discussion.

Upon roll call vote:
Alderman Russell - Aye, Alderman Hartman - Aye, Alderman Shipley – Aye,
Alderman Kobylski - Aye, Alderman Atkins – Aye, Alderman Wilson - Aye.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared Bill No. 3050-25 approved for first reading.

11. Resolution 1432, Award Bid No. 25-02, Website Design and Hosting

Alderman Atkins moved to approve Resolution 1432, awarding Bid No. 25-02 and authorizing and directing the Mayor to enter into an agreement with Revize for the City's website design and hosting. Alderman Hartman seconded the motion.

No discussion.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared Resolution 1432 approved as amended.

OTHER MATTERS BEFORE THE BOARD

12. Public Comment

Ben Morrow, 500 Hilltop Street, spoke to the Board about his utility bill. He explained that when he received a bill in the spring it had a late fee on it from the prior month. He said that

he called the City and requested a reversal and said it would not happen again, but did not receive a reversal of the late fee. He learned that the city gets calls about this every month but does not grant reversals. He called City Hall again this morning because he had just received his bill in the mail, and it was past the due date. He was told not to worry as he would not be assessed a late fee for four more days. He said he expressed his frustration about the mailing process, since he did not receive that courtesy in spring. He was advised to set up autopay, which he is unable to do due to financial strain. He said it is important to acknowledge that many residents face tough financial decisions. He suggested that the City stop using a billing company in Louisiana, as this impacts communication with the post office.

13. Appointment

The Mayor will nominate Shauna Houghton to the Park and Recreation Committee, and the Board will vote:

Upon roll call vote:
Alderman Russell – Aye, Alderman Wilson – Aye, Alderman Shipley – Aye,
Alderman Kobylski – Aye, Alderman Atkins – Aye, Alderman Hartman – Aye.

Ayes – 6, Noes – 0, motion carries. The Mayor declared Shauna Houghton appointed member of the Park and Recreation Committee.

14. New Business from the Floor

None

15. Adjourn

Alderman Hartman moved to adjourn. Alderman Russell seconded the motion.

Ayes – 6, Noes – 0, motion carries. Mayor Boley declared the regular session adjourned at 7:18 p.m.

_____ _____

Linda Drummond, City Clerk Damien Boley, Mayor

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Parks and Recreation

AGENDA ITEM: Approving Resolution 1433 – Smithville Senior Center Memorandum of Understanding (MOU)

REQUESTED BOARD ACTION:
Motion to approve Resolution 1433, authorizing and directing the Mayor to enter into an agreement with the Smithville Senior Board for Senior Services at the Smithville Senior Center.

SUMMARY:
City staff met with representatives from the Smithville Senior Board and agreed on terms for the new Memorandum of Understanding (MOU) that clearly outlines the duties and responsibilities of both parties. The MOU contract period is from Jan 1, 2025, to December 31, 2025.

The Smithville Senior Center was renovated in conjunction with Clay County Senior Services to provide the Smithville Senior Center to improve the health, nutrition, and quality of life of Clay County residents sixty years or older. The City signed a 10-year lease agreement with the Smithville Senior Board on August 6, 2013, which was effective until August 5, 2023

In 2021, Clay County Senior Services requested assistance from the city to manage and process the senior grant on behalf of the Senior Board. The Parks and Recreation Department has been providing this assistance since that request.

In 2022/2023, staff met with representatives from the Smithville Senior Board and the City Attorney to update the agreement for the use of the Senior Center Building. Following the City Attorney's recommendations, a Cooperative Agreement was established for annual review, rather than a long-term lease with an annual rent cost.

In 2024, the Cooperative Agreement was renewed with minor changes reflecting the City's hiring of a Senior Services Coordinator. The position is supervised by Parks and Recreation and is officed out of the Smithville Senior Center. The renewed agreement showed the change moving "the office" from the exclusive portion to the non-exclusive portion of the building. This was the only change in the agreement.

Prior to the 2025 season, the Senior Center Board has decided not to renew their 501(c)(3) status. The financial management of the Senior Center is now overseen by City staff, and other daily responsibilities have been transferred to the Senior Services Coordinator. These changes were all approved by the Senior Center Board before the

position was hired. The Senior Center has evolved into a program managed by the Parks & Recreation Department. The Senior Center Board provides guidance on volunteers, operations, and activities they wish to see implemented.

Staff recommends transitioning from a Cooperative Agreement to a Memorandum of Understanding (MOU) that clearly outlines the duties and responsibilities of both parties.

PREVIOUS ACTION:
Resolution 1335, Renewal Agreement with the Smithville Senior Center for the use of the building at 113 West Main Street was approved on March 19, 2024.

POLICY ISSUE:
Click or tap here to enter text.

FINANCIAL CONSIDERATIONS:
Click or tap here to enter text.

ATTACHMENTS:

- ☐ Ordinance
- ☒ Resolution
- ☐ Staff Report
- ☐ Other:
- ☒ Contract: MOU
- ☐ Plans
- ☐ Minutes

RESOLUTION 1433

A RESOLUTION AUTHORIZING AND DIRECTING THE MAYOR TO ENTER INTO AN AGREEMENT WITH THE SMITHVILLE SENIOR BOARD FOR SENIOR SERVICES AT THE SMITHVILLE SENIOR CENTER

WHEREAS, the City owns the building at 113 West Main Street (hereinafter "Building"); and

WHEREAS, the City desires to offer Senior Services out of the building to provide an opportunity for local seniors a place for affordable and nutritious meals and a welcoming atmosphere for educational and social opportunities, and

WHEREAS, the Board desires that the City provide certain services in connection with the Board's use of the building, subject to the City's supervision and review, and

WHEREAS, The City and Board desire to enter into an agreement, and;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI:

THAT THE MAYOR IS HEREBY AUTHORIZED AND DIRECTED TO EXECUTE THE ATTACHED AGREEMENT WITH THE SMITHVILLE SENIOR BOARD FOR SENIOR SERVICES AT THE SMITHVILLE SENIOR CENTER

PASSED AND ADOPTED by the Mayor and Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, on the 7th day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

AGREEMENT

THIS AGREEMENT was entered into this ___ of January 2025, by and between the **CITY OF SMITHVILLE, MISSOURI**, a Missouri Municipal Corporation ("City"), and **SMITHVILLE SENIOR CENTER BOARD,** an advisory committee ("Board"), as follows:

WHEREAS, the City owns the building at 113 W. Main Street, Smithville, MO (hereinafter "Building"), and

WHEREAS, the City desires to offer Senior Services out of the building to provide an opportunity for local seniors a place for affordable and nutritious meals and a welcoming atmosphere for educational and social opportunities, and

WHEREAS, the Board desires that the City provide certain services in connection with the Board's use of the building, subject to the City's supervision and review, and

WHEREAS, The City and Board desire to enter into an agreement, and

NOW, THEREFORE, it is agreed as follows:

IN WITNESS WHEREOF, the parties have entered this Agreement the day and year first above written.

The City of Smithville shall:

1. Reserve the facility for Senior Services programming from 8:00 AM to 2:00 PM, Monday through Friday, beginning January 1 and continuing through December 31.
    a. The City of Smithville reserves the right to use the building for staff events periodically throughout the year and will coordinate such use with the Senior Services Coordinator in the development of the Senior Center activities calendar.
2. Ensure the proper maintenance of the facility, including responsibility for all utilities, internet access, telephone services, cleaning, and pest control.
3. Secure and maintain appropriate insurance coverage for both the facility and its programs.
4. Coordinate and oversee the scheduling of monthly programs and the provision of daily lunches.
5. Administer and manage all grant funds and reporting requirements associated with funding received from Clay County Senior Services.

The Smithville Senior Center Board shall:

1. Establish an advisory board to provide recommendations to the Parks and Recreation Department regarding proposed improvements or additions to the Smithville Senior Center.
    a. The board shall include the following officers: president, vice-president, secretary, treasurer, and two additional board members.
2. Maintain a dedicated bank account to manage and safeguard donation funds received for the center.
3. Recruit and coordinate volunteers to assist with morning and lunch service operations.
4. Serve as a support resource to ensure continuity of operations in the absence of the Senior Services Coordinator.

CITY OF SMITHVILLE, MISSOURI

By _____
Mayor Damien Boley

ATTEST:

_____
Linda Drummond, City Clerk

SMITHVILLE SENIOR CENTER BOARD

By_____
Smithville Senior Center Board President

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Public Works

AGENDA ITEM: Resolution 1434, acknowledging the Emergency Purchase of lift station pumps for Harbor Lakes

---

REQUESTED BOARD ACTION:
A motion to approve Resolution 1434, acknowledging the emergency purchase of wastewater pumps from FTC Equipment, LLC and pumping services from ACE Pipe Cleaning for the lift station at Harbor Lakes.

SUMMARY:
The Purchasing Policy outlines the spending authority of the City Administrator at $15,000. From time to time, it is necessary for the Administrator to authorize purchases exceeding that authority in order to address an immediate need. When this occurs, the Board is notified of the emergency need and that the Administrator has authorized the necessary purchase.

Recently, the Harbor Lakes lift station failed. Staff responded and determined that both pumps at the lift station needed to be replaced. The lift station serves the Harbor Lakes subdivision. Fortunately, the lift station has some storage and did not back up into any homes. However, with both pumps inoperable, it was necessary to have Ace Pipe Cleaning pump down the lift station for a few days in order to prevent any backups.

FTC Equipment, a supplier of wastewater pumps could have one pump delivered in quickly and place the second pump on order. Staff recommended that the City acquire both pumps since they were a direct replacement and could get the lift station running as soon as possible.

The City Administrator has authorized an emergency purchase of the pumps from FTC Equipment in the amount of $34,720.89 and pumping services from Ace Pipe Cleaning in the amount of $14,131.00.

PREVIOUS ACTION:
The 2025 budget includes funds to replace or rebuild this lift station, unfortunately the station failed before bids were issued.

POLICY ISSUE:
Facility / infrastructure maintenance

FINANCIAL CONSIDERATIONS:
The 2025 Combined Water and Wastewater Systems Fund maintenance budget has sufficient funds for this expense.

ATTACHMENTS:

☐ Ordinance	☐ Contract
☒ Resolution	☐ Plans
☐ Staff Report	☐ Minutes
☒ Other: Quote	

RESOLUTION 1434

A RESOLUTION ACKNOWLEDGING THE EMERGENCY PURCHASE OF WASTEWATER PUMPS FROM FTC EQUIPMENT, LLC AND PUMPING SERVICES FROM ACE PIPE CLEANING FOR THE LIFT STATION AT HARBOR LAKES

WHEREAS, the City Administrator's purchasing authority is $15,000, however in emergency situations, the City Administrator is authorized to make purchases that exceed that amount in order to expedite repairs or purchases for city needs; and,

WHEREAS, the City of Smithville operates a lift station that serves the Harbor Lakes subdivision; and

WHEREAS, both wastewater pumps have failed and need to be replaced therefore declaring an emergency purchase is necessary; and

WHEREAS, Ace Pipe Cleaning was contracted to pump down the lift station wet well.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

THAT the Board acknowledges and authorizes the emergency purchase of two wastewater pumps from FTC Equipment the amount of $34,720.89 and pumping services from Ace Pipe Cleaning the amount of $14,131.00.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of January 2024.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

FTC Equipment, LLC

5238 Winner Road
Kansas City, MO 64127

Phone: 816-833-7200
Fax: 816-833-1074

Quote

Date	Estimate #
12/19/2024	15172

Name/Address
City of Smithville Attn: Accounts Payable 107 W. Main St. Smithville, MO 64089

Ship To
City of Smithville 107 W. Main Street Smithville, MO 64089

Terms	Rep	FOB	W/O Number
Net 30	House	Factory	

Qty	U/M	Item	Description	Rate	TOTAL
			Facility: WWTP		
			Location: Harbor Lakes PS		
			Quote AFP1048 M200/2 Replacement Pumps		
2	EA	GXAV3K3C1111337	ABS Pump Model XFP101G-CB1.3 PE230/2, 31HP, 460/3/60, Premium Efficient Motor, 49' Cable, Wet Pit	15,201.60	30,403.20
2	EA	11120562	O-Ring	15.59	31.18
1		Misc	FTC Manufactured O-ring	5.00	5.00
1	EA	FP064188F2	4" Flange Pack 18-8 SS w/HFN & 1/8 FF Gasket	31.51	31.51
			Lead Time: 10 - 12 Weeks (1 Pump In stock)		
			Next Day Shipping: One Pump was expedited due to station being down.		
1		Freight	Estimated Freight Next Day Shipping	3,500.00	3,500.00
			Standard Shipping: Second pump will be shipped standard once the first pump is in and running correctly.		
1		Freight	Estimated Standard Freight	750.00	750.00
			Note: FTC provided a rental pump at no charge while waiting for the first pump to arrive. When the rental pump was picked up a 4" flange pack and O-Ring was needed for the installation of rental pump.		

We appreciate the opportunity to be of service to you!

TERMS AND CONDITIONS: Terms are net 30 days. Accounts not paid within terms are subject to a 1.5% service charge per month. Prices quoted are valid for 30 days from the date of this quote. Prices do not include any applicable taxes or freight charges. Freight is FOB factory. A convenience fee of 4% will be added to all credit card transactions.

Subtotal	$34,720.89
Sales Tax (8.975%)	$0.00
TOTAL	$34,720.89

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Parks and Recreation

AGENDA ITEM: Resolution 1435 - Purchase of Mower

REQUESTED BOARD ACTION:
A motion to approve Resolution 1435, authorizing the expenditure of funds for the purchase of a John Deere Mower from Heritage Tractor for the Parks and Recreation Department through the Cooperative Purchasing Agreement with Sourcewell in the amount of $18,028.01.

SUMMARY:
The parks maintenance team maintains city parks weekly. Beginning in 2025, the Parks and Recreation Department will not renew the downtown mowing contract since the staff is back to full capacity. This purchase will allow more staff to mow and restore the fleet to four mowers.

City Code Section 105.080.C authorizes staff to use cooperative purchasing agreements. Heritage Tractor has provided a purchase price from John Deere's Sourcewell cooperative purchasing agreement in the amount of $18,028.01

The FY25 Parks and Recreation budget includes $18,500 for this purchase. Staff has worked to develop an Equipment Replacement Plan within the General Fund which allocates funding for this purchase.

PREVIOUS ACTION:

POLICY OBJECTIVE:
Facility Maintenance. This equipment is included in the Equipment Replacement Plan for FY25.

FINANCIAL CONSIDERATIONS:
The FY25 Parks and Recreation budget includes $18,500 for this purchase.

ATTACHMENTS:

- ☐ Ordinance
- ☒ Resolution
- ☐ Staff Report
- ☒ Other: Quote
- ☐ Contract
- ☐ Plans
- ☐ Minutes

RESOLUTION 1435

A RESOLUTION AUTHORIZING THE EXPENDITURE OF FUNDS FOR THE PURCHASE OF A JOHN DEERE MOWER FROM HERITAGE TRACTOR FOR THE PARKS AND RECREATION DEPARTMENT THROUGH THE COOPERATIVE PURCHASING AGREEMENT WITH SOURCEWELL IN THE AMOUNT OF $18,028.01

WHEREAS, the Parks and Recreation Department maintains city parks and open areas weekly; and

WHEREAS, the 2025 Parks and Recreation Budget includes funds for the mower; and

WHEREAS, the City Code Section 105.080.C authorizes staff to use cooperative purchasing agreements; and

WHEREAS, staff has recommended purchasing the mower from Heritage Tractor through the cooperative purchasing agreement with Sourcewell.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI:

THAT staff is hereby authorized and directed to purchase said equipment from Heritage Tractor in the amount of $18,028.01.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, this 7TH day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

JOHN DEERE

Customer:

Quotes are valid for 30 days from the creation date or upon contract expiration, whichever occurs first.

A Purchase Order (PO) or Letter of Intent (LOI) including the below information is required to proceed with this sale. The PO or LOI will be returned if information is missing.

☐ Vendor: Deere & Company
2000 John Deere Run
Cary, NC 27513

For any questions, please contact:

Montgomery Dylan

Heritage Tractor, Inc.
1300 S. Us-169 Highway
Smithville, MO 64089

Tel: 816-873-3385
Email: dmontgomery@heritagetractor.com

- ☐ Signature on all LOIs and POs with a signature line
- ☐ Contract name or number; or JD Quote ID
- ☐ Sold to street address
- ☐ Ship to street address (no PO box)
- ☐ Bill to contact name and phone number
- ☐ Bill to address
- ☐ Bill to email address (required to send the invoice and/or to obtain the tax exemption certificate
- ☐ Membership number if required by the contract

Quotes of equipment offered through contracts between Deere & Company, its divisions and subsidiaries (collectively “Deere”) and government agencies are subject to audit and access by Deere's Strategic Accounts Business Division to ensure compliance with the terms and conditions of the contracts.

Quote Id: 32034160

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):
Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580
UEID: FNSWEDARMK53

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:
Heritage Tractor, Inc.
1300 S. Us-169 Highway
Smithville, MO 64089
816-873-3385
SMO@HeritageTractor.com

Prepared For:
City Of Smithville

Proposal For:
City Of Smithville

Delivering Dealer:
Montgomery Dylan

Heritage Tractor, Inc.
1300 S. Us-169 Highway
Smithville, MO 64089

SMO@HeritageTractor.com

Quote Prepared By:
Montgomery Dylan
dmontgomery@heritagetractor.com

Date: 27 November 2024

Offer Expires: 31 December 2024

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580
UEID: FNSWEDARMK53

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

Heritage Tractor, Inc.
1300 S. Us-169 Highway
Smithville, MO 64089
816-873-3385
SMO@HeritageTractor.com

Quote Summary

Prepared For:

City Of Smithville
MO

Delivering Dealer:

Heritage Tractor, Inc.
Montgomery Dylan
1300 S. Us-169 Highway
Smithville, MO 64089
Phone: 816-873-3385
dmontgomery@heritagetractor.com

Quote ID: 32034160
Created On: 27 November 2024
Last Modified On: 20 December 2024
Expiration Date: 31 December 2024

Equipment Summary	Suggested List	Selling Price		Qty		Extended
JOHN DEERE Z994R Diesel Commercial ZTrak	$ 23,413.00	$ 18,028.01	X	1	=	$ 18,028.01

Contract: Sourcewell Grounds Maintenance 031121-DAC (PG NB CG 70)
Price Effective Date: December 19, 2024

Equipment Total **$ 18,028.01**

* Includes Fees and Non-contract items

Quote Summary	
Equipment Total	$ 18,028.01
Trade In	
SubTotal	**$ 18,028.01**
Est. Service Agreement Tax	$ 0.00
Total	$ 18,028.01
Down Payment	(0.00)
Rental Applied	(0.00)
Balance Due	**$ 18,028.01**

Salesperson : X _____ **Accepted By : X** _____

Selling Equipment

Quote Id: 32034160 **Customer Name:**

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):
Deere & Company
2000 John Deere Run
Cary, NC 27513
FED ID: 36-2382580
UEID: FNSWEDARMK53

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:
Heritage Tractor, Inc.
1300 S. Us-169 Highway
Smithville, MO 64089
816-873-3385
SMO@HeritageTractor.com

JOHN DEERE Z994R Diesel Commercial ZTrak

Hours:

Stock Number:

Contract: Sourcewell Grounds Maintenance 031121-DAC (PG NB CG 70)

Price Effective Date: December 19, 2024

Suggested List *
$ 23,413.00

Selling Price *
$ 18,028.01

* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
2545TC	Z994R Diesel Commercial ZTrak	1	$ 21,839.00	23.00	$ 5,022.97	$ 16,816.03	$ 16,816.03
	Standard Options - Per Unit						
001A	United States and Canada	1	$ 0.00	23.00	$ 0.00	$ 0.00	$ 0.00
1040	24x12N12 Michelin X Tweel Turf for 54 In. and 60 In. Decks	1	$ 1,574.00	23.00	$ 362.02	$ 1,211.98	$ 1,211.98
1504	60 In. 7-IRON PRO ™ Side Discharge Mower Deck	1	$ 0.00	23.00	$ 0.00	$ 0.00	$ 0.00
2093	Fully Adjustable Suspension Seat with Armrests (24" High Back)	1	$ 0.00	23.00	$ 0.00	$ 0.00	$ 0.00
	Standard Options Total		**$ 1,574.00**		**$ 362.02**	**$ 1,211.98**	**$ 1,211.98**
	Value Added Services Total		**$ 0.00**			**$ 0.00**	**$ 0.00**
Total Selling Price			**$ 23,413.00**		**$ 5,384.99**	**$ 18,028.01**	**$ 18,028.01**

SMITHVILLE
missouri

City Administrator's Report

January 3, 2025

Winter Weather Preparation

The forecast for this weekend anticipates a significant weather event. Staff is monitoring the forecast and preparing accordingly. Forecasts are currently predicting sleet and ice beginning Saturday afternoon into evening followed by a significant accumulation of snow on Sunday. Forecasts are changing daily but currently range from several inches to more than a foot of snow, we should expect at least several inches of snow.

Temperatures are also expected to fall into the single digits with wind chills near zero. This will impact travel and power outages could be a potential.

Street staff are prepared. We are pre-treating streets with salt brine, all trucks are serviced, equipped and ready, our contractor is also ready to respond. We have sufficient salt and have ordered more knowing that we are going to use quite a bit this weekend.

Street staff is planning to be in Saturday afternoon and will work the event as needed. The city's snow plan includes opening main routes first. Large wind rows in front of driveways and mailboxes will be unavoidable if we receive excessive amounts of snow.

The utility operations crew is also prepping and checking lift stations and insulating problematic water meters. Water plant staff are scheduled to work and have back up staffing plans should an operator not be able to make it in due to road conditions.

Staff in parks, police and public works met this week to discuss each department's plans and ensure coordination of operations.

Social media updates will be provided as response to this storm occurs.

Personnel Updates

Police Department

Trevor Ballard joined the Smithville Police Department on Thursday, January 2. Trevor brings more 14 years of experience in police work, including his role as Under Sheriff for the Clinton County Sheriff's Department. He began field training on Thursday.

Daniel McKinney will graduate from the Kansas City Regional Police Academy on January 9 and begin his field training.

Shaw Williams, our second recruit currently in the academy, is scheduled to graduate April 10 and will begin his field training shortly thereafter.

Final offers have been extended to two applicants, both of whom have accepted. They will begin the academy on January 28. With these additions, the department will have 18 full-time officers, including recruits in training. This brings the total number of vacancies to two.

Recruitment efforts remain a top priority as we work toward filling the remaining vacancies.

Public Works

Dennis Witt, Engineering Technician I, and Allan Jensen, Streets Superintendent, retired from the City on December 31, 2024. They each had 20 years of service with the City. As previously announced, Michael Jacobs has been hired as Engineering Technician. He previously worked in the wastewater division and began working in this role in December. Anthony Glenn has been hired as Streets Superintendent. He has experience in several other public works departments in the metro area. Anthony was scheduled to begin work on January 6, however reported for duty on January 3 to prepare for the approaching winter storm!

Tonie Augustine's employment contract ended on December 31, 2024. We would like to thank her for her dedication to the City by helping when there was a staffing shortage after her retirement.

On Monday, January 6 the Water Plant will be fully staffed. Wyatt Stapleton and Jeremiah Leonard started as Water Plant Operator I. Jacob Wright will be returning from an extended military leave, and has been transferred to the Water Plant as Plant Operator I.

Water Plant Operator Samuel Smith recently obtained his DNR Drinking Water Operator – Class C Certification. Congratulations to Sam!

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Development

AGENDA ITEM: Bill No. 3048-25 – Rezoning 16000 North 169 Highway to B-2 – 2nd Reading

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REQUESTED BOARD ACTION:
A motion to approve Bill No. 3048-25, changing the zoning classifications or districts of certain lands located in the City of Smithville, Missouri located at 16000 North 169 Highway. Second reading by title only.

SUMMARY:
Applicant seeks to rezone a single lot fronting on 169 Highway currently zoned R-3 back to B-2 after a townhome project did not occur.

PREVIOUS ACTION:
Ordinance 3027-24 was passed on March 19, 2024 changing the zoning from B-2 to R-3 for a townhome project.

POLICY OBJECTIVE:
Comprehensive Plan compliance

FINANCIAL CONSIDERATIONS:
None

ATTACHMENTS:

- ☒ Ordinance
- ☐ Resolution
- ☒ Staff Report
- ☒ Other: Findings of Fact
- ☐ Contract
- ☐ Plans
- ☐ Minutes

FINDING OF FACTS AND CONCLUSIONS OF LAW

Applicant: Dirk Talley/Port Side Tie, LLC

Land Use Proposed: B-2

Zoning: R-3

Property Location: 16000 N. 169 Hwy

Pursuant to the provisions of Section 400.560(C) of the Smithville Code, the Planning Commission does hereby make the following findings of fact based upon the testimony and evidence presented in a public hearing of the Planning and Zoning Commission of the City of Smithville, held on December 10, 2024, and presents these findings to the Board of Aldermen, with its' recommendations on the application.

Finding of Facts

1. *Character of the neighborhood.*

The surrounding area is 169 Highway frontage with commercial uses throughout and Second Creek to the west. West of the creek is land not within the city limits that is used as agricultural land.

2. *Consistency with the City's Comprehensive Plan and ordinances.*

The existing Comprehensive Plan was approved on November 10, 2020, and calls for the no anticipated change to the subject property but is adjacent to the downtown overlay area.

3. *Adequacy of public utilities and other needed public services.*

Streets and Sidewalks:

No street extensions will be needed, but Cliff Dr. will need to be upgraded when the south lot develops, including sidewalks at the owner's expense and in accordance with existing APWA standards.

Water, Sewer and Storm water

The city does not have water or sewer to the lots, so the owner must extend both water and sewer to service the lots at its' own expense and in accordance with existing APWA standards.

All other utilities

Future Development will be conditioned upon installation of all other needed utilities at the cost of the development.

4. Suitability of the uses to which the property has been restricted under its existing zoning.

The current use is vacant land. The location, size and layout of the lots reveal why the lot was originally zoned B-2 as it has limited use, other than a small, single building development.

5. Length of time the property has remained vacant as zoned.

The property was zoned to its' existing district classification when annexed, and the agricultural nature is not being changed significantly. The change would be additional housing similar to the adjacent lots.

6. Compatibility of the proposed district classification with nearby properties.

The proposed district is compatible with the business uses nearby.

7. The extent to which the zoning amendment may detrimentally affect nearby property.

No detriment is anticipated.

8. Whether the proposed amendment provides a disproportionately great loss to the individual landowners nearby relative to the public gain.

No loss to landowners is expected.

9. That in rendering this Finding of Fact, testimony at the public hearing on December 12, 2023, has been taken into consideration as well as the documents provided.

Recommendation of the Planning Commission

Based on the foregoing findings of fact, we conclude that:

A. This application and the Rezoning of this property from R-3 to B-2 is governed by Section 400.560 of the zoning ordinance of Smithville, Missouri.

B. The proposed zoning is compatible with the factors set out in Section 400.560(C) of the zoning ordinance.

C. The Planning and Zoning Commission of the City of Smithville, Missouri recommends approval of rezoning the land to B-2.

BILL NO. 3048-25 **ORDINANCE NO. 324X-25**

AN ORDINANCE CHANGING THE ZONING CLASSIFICATIONS OR DISTRICTS OF CERTAIN LANDS LOCATED IN THE CITY OF SMITHVILLE, MISSOURI LOCATED AT 16000 NORTH 169 HIGHWAY

WHEREAS, The City of Smithville received an application for rezoning 16000 North 169 Hwy on October 9, 2024; and

WHEREAS, Public Notice was published in the Courier Tribune and letters to property owners within 185' were sent not less than 15 days prior to the Public Hearing conducted before the Planning Commission on December 10, 2024; and

WHEREAS, the Planning Commission presented its' findings to the Board of Aldermen and recommended approval of the rezoning request; and,

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, THAT;

Section 1. Having received a recommendation from the Planning Commission, and proper notice having been given and public hearing held as provided by law, and under the authority of and subject to the provisions of the zoning ordinances of the City of Smithville, Missouri, by a majority council vote, the zoning classification(s) or district(s) of the lands legally described hereby are changed as follows:

The property legally described as:

All that part of the Southeast Quarter of the Southeast Quarter of Section 22, Township 53, Range 33, described as follows:

Beginning at the point of intersection of the South line of said Southeast Quarter of the Southeast Quarter of Section 22, with the center line of U.S. Highway No. 169, as now located, thence South 89 degrees 37 minutes West, along the South line of said Section 22, 667.92 feet to the centerline of Second Creek; thence with the meanderings of said Second Creek North 39 degrees O minutes East, 125 feet; thence North 53 degrees 17 minutes East, 370 feet; thence North 9 degrees 51 minutes East, 210 feet to a point, thence East and parallel with the South line of said Section to a point in the centerline of U.S. Highway No. 169, thence Southeasterly along the centerline of U.S. Highway No. 169 to the Point of Beginning, all in Clay County,

is hereby changed from R-3 to B-2.

Section 2. Upon the taking effect of this ordinance, the above zoning changes shall be entered and shown upon the "Official Zoning Map" previously adopted and said Official Zoning Map is hereby reincorporated as a part of the zoning ordinance as amended.

Section 3. This Ordinance shall take effect and be in full force from and after the approval.

PASSED THIS 7th DAY OF JANUARY, 2025

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

First Reading: 12/17/2024

Second Reading 01/07/2025

SMITHVILLE
DEVELOPMENT

STAFF REPORT

December 9, 2024
Rezoning of Parcel Id # 05-504-00-02-010.00

Application for a Zoning District Classification Amendment

Code Sections:
400.560.C Zoning District Classification Amendments

Property Information:

Address:	16000 N. US 169 Hwy
Owner:	Port Side Tie, LLC
Current Zoning:	R-3
Proposed Zoning:	B-2

Public Notice Dates:

1st Publication in Newspaper:	November 21, 2024
Letters to Property Owners w/in 185':	November 21, 2024

GENERAL DESCRIPTION:

The applicant seeks to rezone one lot from R-3, back to its' original B-2 district, located on the west side of 169 and north of Cliff Dr. The lot was rezoned from B-2 to R-3 in January of 2024 in anticipation of a new multi-family building that eventually fell through. The applicant seeks this rezoning to restore the original B-2 zoning since the client is no longer interested in the multifamily project at this location.

EXISTING ZONING:

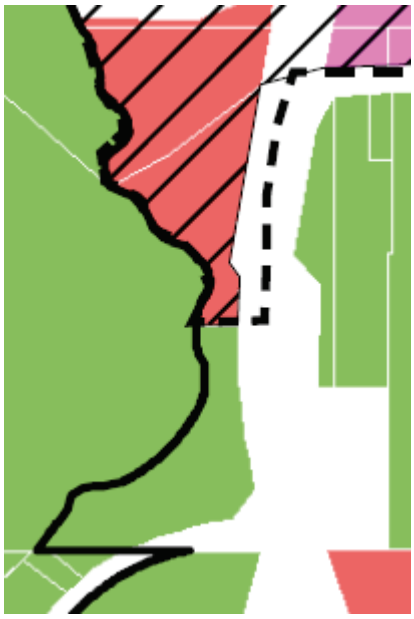
The existing zoning is R-3 and has been in existence since January of 2024 when it was rezoned in anticipation of a specific development project.

CHARACTER OF THE NEIGHBORHOOD *400.560.C.1*

The surrounding area is 169 Highway frontage with commercial uses throughout and Second Creek to the west. West of the creek is land not within the city limits that is used as agricultural land.

CONSISTENCY WITH COMPREHENSIVE PLAN AND ORDINANCES *400.560.C.2*

The existing Comprehensive Plan was approved on November 10, 2020, and calls for the no anticipated change to the subject property but is adjacent to the downtown overlay area.



ADEQUACY OF PUBLIC UTILITIES OR OTHER PUBLIC SERVICES *400.560.C.3*

Streets and Sidewalks:

No street extensions will be needed, but Cliff Dr. will need to be upgraded when the south lot develops, including sidewalks at the owners expense and in accordance with existing APWA standards.

Water, Sewer and Storm water

The city does not have water or sewer to the lots, so the owner must extend both water and sewer to service the lots at its' own expense and in accordance with existing APWA standards.

All other utilities

Future Development will be conditioned upon installation of all other needed utilities at the cost of the development.

SUITABILITY OF THE USES TO WHICH THE PROPERTY HAS BEEN RESTRICTED UNDER ITS EXISTING ZONING *400.560.C.4*

The current use is vacant land. The location, size and layout of the lots reveal why the lot was originally zoned B-2 as it has limited use, other than a small, single building development.

TIME THE PROPERTY HAS REMAINED VACANT AS ZONED *400.560.C.5*

The property was zoned to its' original district classification at least 1978 and has not been developed since but was rezoned to R-3 for a specific proposed project in January of 2024,.

COMPATIBILITY OF PROPOSED DISTRICT WITH NEARBY LAND *400.560.C.6*

The proposed district is compatible with the business uses nearby.

EXTENT WHICH THE AMENDMENT MAY DETRIMENTALLY AFFECT NEARBY PROPERTY *400.560C.7*

No detrimental effects are known.

WHTHER THE PROPOSAL HAS A DISPROPORTIONATE GREAT LOSS TO ADJOINING PROPERTY OWNERS' RELATIVE TO THE PUBLIC GAIN *400.560.C.8*

With no detrimental effects known, no great loss is expected.

STAFF RECOMMENDATION:

Staff recommends APPROVAL of the proposed district based upon the change meets the Comprehensive Plan recommendations.

Respectfully Submitted,

_____

Zoning Administrator

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Development

AGENDA ITEM: Bill No. 3049-25 – Amending the Conceptual Zoning Plan for Lakeside Farms – 2nd reading by Title Only

---

REQUESTED BOARD ACTION:
A motion to approve Bill No. 3049-25, approving an amendment to a conceptual zoning plan for Lakeside Farms on certain lands located in the City of Smithville, Missouri. Second reading by title only.

SUMMARY:
Approving this ordinance would amend the existing Eagle Heights Overlay District's conceptual plan on property located at 18400 North Eagle Parkway to increase the density in accordance with the Comprehensive Plan 2030 recommendations.

PREVIOUS ACTION:
This development was originally approved on September 18, 2018 with the adoption of an Overlay District (R-1 and R-2) Conceptual Plan and named Eagle Heights.

POLICY ISSUE:
Follow the Comprehensive Plan Recommendations

FINANCIAL CONSIDERATIONS:
N/A

ATTACHMENTS:

- ☒ Ordinance
- ☐ Resolution
- ☒ Staff Report
- ☐ Other:
- ☐ Contract
- ☒ Plans
- ☐ Minutes

BILL NO. 3049-25 **ORDINANCE NO. 324X-25**

AN ORDINANCE APPROVING AN AMENDMENT TO A CONCEPTUAL ZONING PLAN FOR LAKESIDE FARMS ON CERTAIN LANDS LOCATED IN THE CITY OF SMITHVILLE, MISSOURI

WHEREAS, The City of Smithville approved a Conceptual Plan and zoning on October 2, 2018 to create the Eagle Heights subdivision at 18400 North Eagle Parkway; and

WHEREAS, public notice was properly advertised in the Courier Tribune; and

WHEREAS, adjoining property owners were properly notified by certified mail; and

WHEREAS, a public hearing was held before the Planning Commission on December 10, 2024;

WHEREAS, the Commission adopted the findings recommended in the Staff Report and recommended approval of the Amended Lakeside Farms Conceptual Plan.

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, THAT;

Section 1. Having received a recommendation from the Planning Commission, and proper notice having been given and public hearing held as provided by law, and under the authority of and subject to the provisions of the zoning ordinances of the City of Smithville, Missouri, by a majority council vote, the zoning classification(s) or district(s) of the lands legally described hereby are changed as follows:

The property legally described as: See Attached Lakeside Farms Conceptual Plan

is hereby designated R-1P and R-2P as contained in the Lakeside Farms Conceptual Plan as approved by the Planning Commission on December 10, 2024 and shown on the attached Lakeside Farms Conceptual Plan.

Section 2. Upon the taking effect of this ordinance, the above zoning changes shall be entered and shown upon the "Official Zoning Map" previously adopted and said Official Zoning Map is hereby reincorporated as a part of the zoning ordinance as amended.

Section 3. This ordinance shall take effect and be in full force from and after its passage according to law.

PASSED THIS 7th DAY OF January, 2025

_____

Damien Boley, Mayor

ATTEST:

_____

Linda Drummond, City Clerk

1st reading 12/17/2024

2nd reading 01/07/2025

SMITHVILLE
DEVELOPMENT

December 5, 2024
Conceptual Plan Approval of Clay County Parcel Id's
05-302-00-01-005.00 and 05-301-00-01-008.01

Application for a Conceptual Plan Approval (Amendment) – Lakeside Farms

Code Sections:

400.200 et seq.	Planned Development Overlay District

Property Information:

Address:	18420 Eagle Parkway
Owner:	Eagle Heights Development, LLC
Current Zoning:	R-1P and R-2P with a conceptual plan

Public Notice Dates:

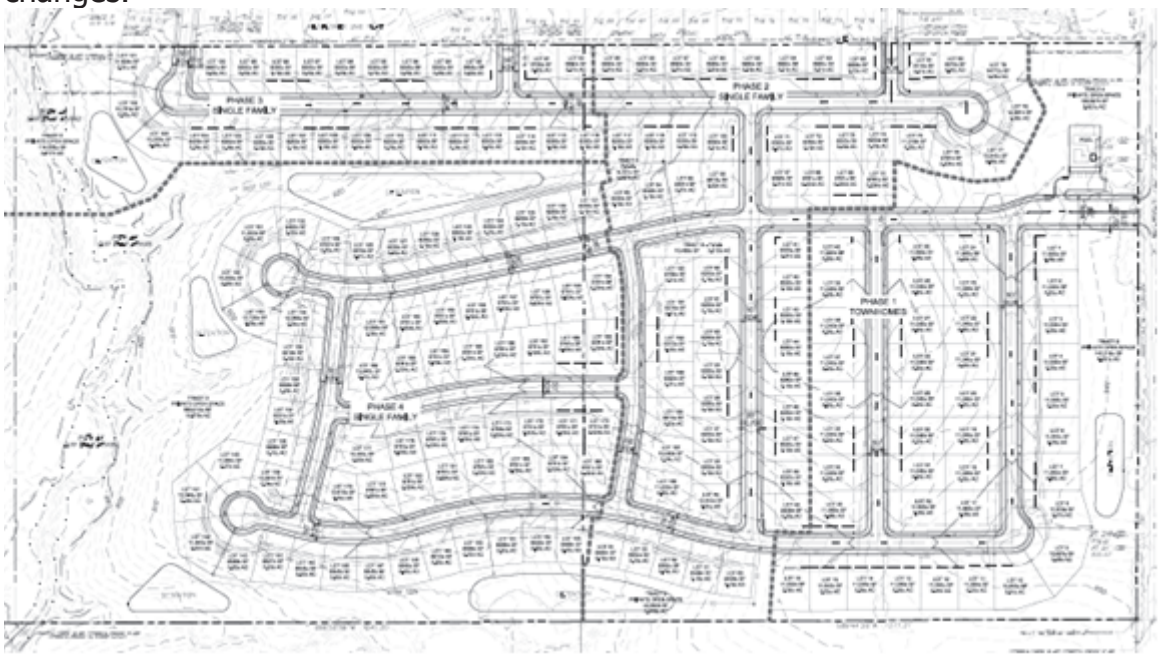
1st Publication in Newspaper:	November 20, 2024
Letters to Property Owners w/in 185':	November 21, 2024

GENERAL DESCRIPTION:

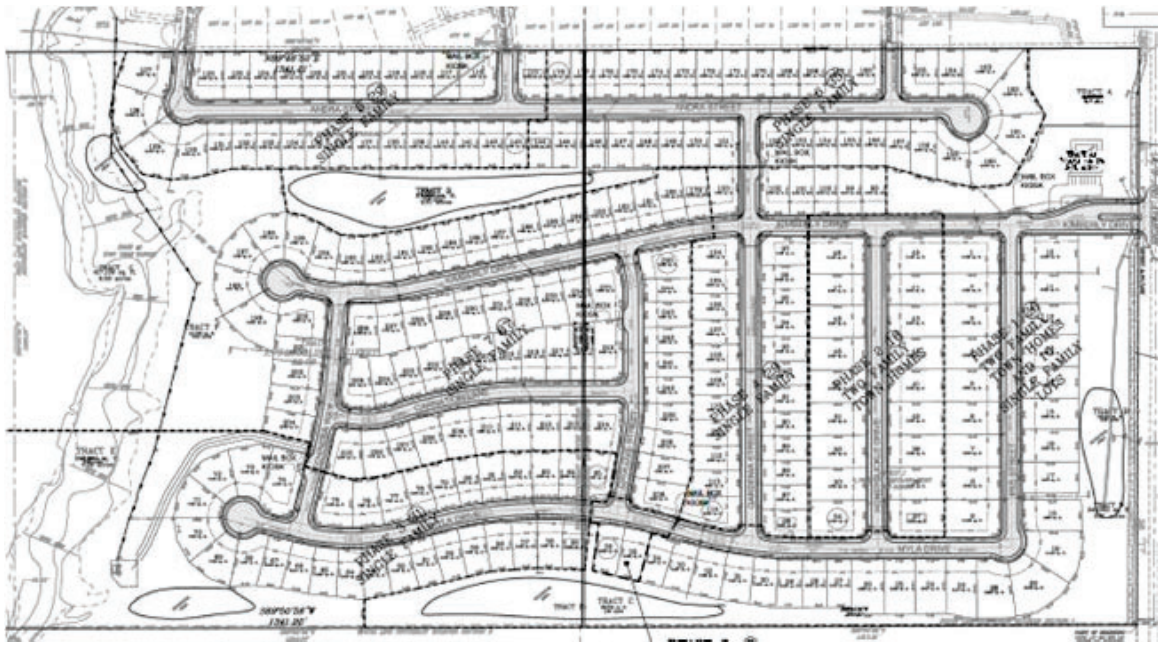
The property is currently covered by the Eagle Heights Conceptual Plan approved by the Commission and Board in September of 2018. While preparing various aspects of the preliminary plat and development agreement, the developer identified costs were such that further refinement of the sanitary sewers would be needed, and MODOT would need to complete improvements to the 188th Street and 169 Highway intersection prior to moving forward with any construction. The developer has completed its refinement to the sanitary sewer system design, and MODOT finally completed its work at the intersection just a few months ago.

In addition to the layout changes to sewers mentioned above, a long process with MODOT's construction allowed many intervening factors to come into existence. First, the city adopted the 2030 Comprehensive Plan, which called for several changes to city zoning and subdivision codes. That plan changed the

definitions of various density of dwelling units per acre. The previous Comprehensive Plan recommended no more than 3 dwelling units per acre for Single-family residential developments. The new version adjusted the density allowed to between 2-4 units per acre for residential developments. *Plan, pg. 47* Those changes were implemented with several new R-1 single-family districts. Those districts include 50' and 60' wide lot capabilities, as well as building size changes.



Current Eagle Heights Conceptual Plan



Proposed Lakeside Farms Conceptual Plan

As a result of these plan and code changes, and changes to the overall market in the metropolitan area, developers seek to change the overall area and density of the development within the Comprehensive Plan's framework. The existing density and layout included 40 R-2P lots, and 152 R-1P lots, with 75' of frontage on the R-1 lots on 80 acres for a density of 2.9 units. The proposal is to reduce the overall area of the R-2 area and increase the R-1 area, as well as utilize the smaller lot allowances in the new code to increase the density. This new Conceptual Plan would allow 44 two-family lots for 88 dwelling units and 201 new single-family lots, for a new density of 3.6 dwelling units per acre. The new single-family units would be typically 56' wide, well within the new 50' wide R-1D district. All the original reasons for the Conceptual plan exist, with just these changes to match the new Comprehensive Plan standard allowances.

400.200.B.3 Guidelines for review of a conceptual development plan for a Planned Development Overlay District, the Commission shall consider the requirements in the site plan review provisions in Section 400.390 through 400.440 when evaluating the following:

a. Topography; to ensure the site is suitable for development, and buildings are located and arranged in appropriate areas.

Development placement maintains the same general layout as the current version and specifically encapsulates the existing drainage areas into the proposed retention pond areas. The proposed layout simply increases the overall density from 2.9 to 3.6 dwelling units per acre and maintains the intent of both the R-2 district and the new R-1D district.

b. Parking; to ensure the proposed development contains an adequate amount of parking and is located in an appropriate area or adequately screened. Generally, parking should conform to the required number of spaces appropriate to the development type as contained in Section 400.470. The Commission may allow a deviation from these parking requirements should the applicant show an adequate amount of parking exists.

While this provision relates primarily to commercial districts, this development is a standard residential layout and contains sufficient off and on-street parking.

c. Setbacks; to ensure buildings provide adequate light, air, and privacy protection by providing appropriate proportion between buildings, and adequate separation between buildings and adjoining properties.

Development leaves the setback requirements of R-1D districts as is with no changes.

d. Architecture: to ensure the architectural theme is compatible and consistent throughout the project and is reasonably compatible with surrounding developments.

The Development is a standard single-family development. All other elements are identified and required as shown herein.

e. Site plan; to ensure the location and arrangement of buildings, signs and other structures are appropriate for the site, existing and proposed streets, drives and public ways are arranged appropriately and to ensure site drainage has been adequately addressed.

Development prepared and submitted a Stormwater Study and has agreed to construct the required detention structures when the project begins in accordance with plans approved by the city's engineer and in compliance with an approved Stormwater Study as may be revised from time to time.

f. Landscaping; to ensure the development provides adequate landscaping to provide a pleasant environment, to enhance the building's appearance, to ensure existing significant trees are adequately protected.

The Development is generally a standard single-family development with two-family units adjacent to the busiest street, similar to that contained in Harborview to the south.

g. Any other feature or issue associated with the State zoning and planning enabling legislation or the Comprehensive Plan for the City of Smithville for which the Commission feels is appropriate and relevant to the development of the site.

Development will include significant off-site traffic improvements that have been required by MODOT (new turn signal at 188th & 169) as well as a significant amount of connecting trails along Eagle Parkway contained in the Parks Master Plan. In addition, the Comprehensive Plan 2030 identifies this area as standard residential densities of 2-4 units per acre, and the proposal is for 3.6 units per acre. This proposal also specifically addresses multiple Action Steps in the Comprehensive plan as follows:

HN 1.1 Support providing additional housing stock throughout the city of Smithville to meet current and future residents' needs by encouraging new residential development in areas identified in the Future Land Use Map.

HN 3.1 Encourage additional residential units near existing residential uses to strengthen the neighborhoods of Smithville.

HN 3.2 Encourage clustered residential development patterns with connected active and passive open space and neighborhood and community amenities.

HN.4.2 Mandate pedestrian connections in new residential developments to adjacent existing or prospective neighborhoods to further strengthen Smithville's pedestrian network.

RC.2.1 Encourage development, mainly residential development, near existing and proposed trail networks.

RC.2.2 Encourage new developments to provide access and pathways to existing and proposed trail networks.

STAFF RECOMMENDATION:

Staff recommends APPROVAL of the proposed Conceptual plan based upon adherence to the conditions contained in this report, and specifically includes the following recommended findings as contained in 400.200.B.4:

1. That the Commission has reviewed the conceptual development plan with consideration of the issues contained in Subsection (B)(3) above; and
2. That the conceptual development plan is in conformance with the comprehensive land use plan and other appropriate Sections of the Code of Ordinances; and
3. That the conceptual development plan provides for an organized and unified system of land use intensities which are compatible with the surrounding areas; and
4. That the proposed development adequately protects the health, safety and general welfare of future and existing residents and property owners in and around the development.

Respectfully Submitted,

____/s/ Jack Hendrix /s/_____
Director of Development

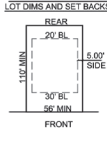
LAKESIDE FARMS CONCEPTUAL PLAN

SECTION 1, TOWNSHIP 53, RNAGE 33
SECTION 2, TOWNSHIP 53, RNAGE 33
SMITHVILLE, CLAY COUNTY MISSOURI

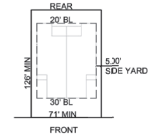
CURRENT ZONING: AG
PROPOSED ZONING: R-1P

DEVELOPER:

TYPICAL SINGLE FAMILY LOT DIMS AND SET BACKS



TYPICAL TWO FAMILY TOWN HOME LOT DIMS AND SET BACKS

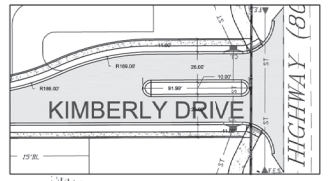


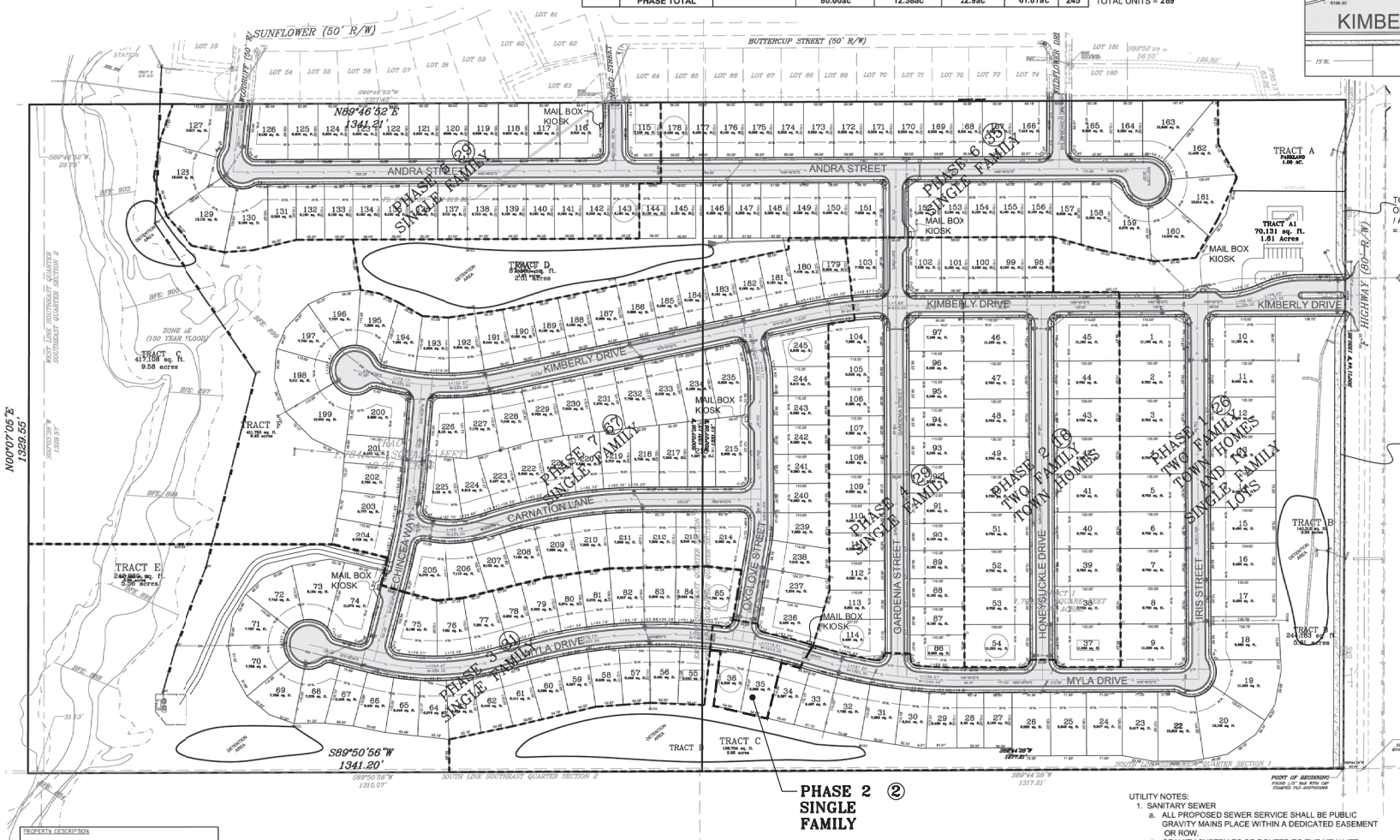
NOTE:
1. PROPERTY LAST SURVEYED MAY 2018
2. PROPOSED ZONING = R-1P
3. DEVELOPER MAY BE REQUIRED TO MAKE PAYMENTS IN LIEU OF LAND DEDICATION.
4. ELEVATIONS AND LOCATIONS SHOWN ARE IN CONFORMANCE WITH NAD83 MISSOURI WEST STATE PLANE.

PHASE	LAND DESCRIPTION	COMMENCEMENT	GROSS AREA	STREET ROW	OPEN SPACE	NET AREA	LOTS
1	TOWN HOMES/SINGLE FAMILY	SUMMER 2025	14.69ac	2.53ac	5.79ac	6.39ac	26/8
2	TOWN HOMES/SINGLE FAMILY	MARKET DEMAND	4.00ac	0.75ac	-	3.27ac	18/2
3	SINGLE FAMILY	MARKET DEMAND	9.82ac	1.78ac	-	8.04ac	31
4	SINGLE FAMILY	MARKET DEMAND	6.96ac	1.40ac	1.97ac	5.56ac	29
5	SINGLE FAMILY	MARKET DEMAND	8.38ac	1.38ac	-	7.0ac	29
6	SINGLE FAMILY	MARKET DEMAND	12.44ac	1.51ac	5.69ac	10.93ac	35
7	SINGLE FAMILY	MARKET DEMAND	23.71ac	3.03ac	5.45ac	20.68ac	67
	PHASE TOTAL		**80.00ac**	**12.38ac**	**22.9ac**	**61.87ac**	**245**

TOTAL UNITS = **289**

LOT AREA(MIN)	6,100	SQ FT	
LOT WIDTH (MIN)	56	FT	
LOT DEPTH (MIN)	110	FT	
BUILDING COVERAGE	45	%	
FRONT YARD SETBACK	30	FT	
REAR YARD SETBACK	20	FT	
SIDE YARD SETBACK	5	FT	
CORNER LOT SIDE YARD	15	FT	





TOTAL OF 360 L.F. OF 12' WIDE TRAIL / ADA RAMP = 4,320sf

TOTAL OF 910 L.F. OF 12' WIDE TRAIL / ADA RAMP =10,920sf

PHASE 2 ② SINGLE FAMILY

Scale in Feet: 100 50 0 100

PROPERTY DESCRIPTION

TRACT I
CONTAINING 1,700,723 SQUARE FEET OR 39.04 ACRES
ALL THAT PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 53 NORTH, RANGE 33 WEST, IN SMITHVILLE, CLAY COUNTY, MISSOURI BEING DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE N00°07'05"E, ALONG THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 1331.13 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SOUTHWEST QUARTER; THENCE N89°46'52"E, ALONG THE NORTH LINE OF SAID QUARTER QUARTER SECTION, A DISTANCE OF 1278.00 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF "I" HIGHWAY; THENCE S00°11'44"W, ALONG SAID RIGHT OF WAY LINE, A DISTANCE OF 1330.25 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE S89°44'28"W, ALONG SAID SOUTH LINE, A DISTANCE OF 1277.21 FEET TO THE POINT OF BEGINNING.

TRACT II
CONTAINING 1,784,232 SQUARE FEET OR 40.96 ACRES
ALL THAT PART OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 53 NORTH, RANGE 33 WEST, IN SMITHVILLE, CLAY COUNTY, MISSOURI BEING DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF SAID SOUTHEAST QUARTER; THENCE S89°50'56"W, ALONG THE SOUTH LINE OF SAID SOUTHEAST QUARTER, A DISTANCE OF 1341.20 FEET; THENCE N00°07'05"E, A DISTANCE OF 1329.55 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF SAID SOUTHEAST QUARTER; THENCE N89°46'52"E, ALONG SAID LINE, A DISTANCE OF 1341.21 FEET TO THE NORTHEAST CORNER OF SAID SOUTH HALF; THENCE S00°07'05"W, ALONG THE EAST LINE OF SAID SOUTHEAST QUARTER, A DISTANCE OF 1331.12 FEET TO THE POINT OF BEGINNING.

NOTE:
1. TRACTS B, C, D, AND E SHALL BE DESIGNATED AS DRAINAGE AND UTILITY EASEMENT.

UTILITY NOTES:
1. SANITARY SEWER
   a. ALL PROPOSED SEWER SERVICE SHALL BE PUBLIC GRAVITY MAINS PLACE WITHIN A DEDICATED EASEMENT OR ROW.
   b. GRAVITY SYSTEM TO BE ROUTED TO THE NEW LIFT STATION TO THE WEST
2. WATER CONNECTION
   NEW WATER MAIN OR HYDRANTS ARE PROPOSED
   FIRE LINE SHALL BE LOCATED AS SHOWN.
3. FIRE HYDRANT SHALL BE PLACE WITHIN 300 L.F FROM ALL LOTS. AND TO FIRE DEPARTMENTS RECOMMENDATIONS.
4. SIDEWALKS SHALL BE 5' WIDE ON BOTH SIDES OF ALL ROADS.
5. ALL ROW SHOWN IS 60' EXCEPT THE ENTRANCE AREA.
6. ALL ROADS SHALL BE 28' BACK OF CURB TO BACK OF CURB EXCEPT THE ENTRANCE AREA.

PROJECT CONTACTS: ROBERT WALQUIST, P.E.
821 NE COLUMBUS ST
LEE'S SUMMIT, MISSOURI 64063
Phone: (816)550-5675

BY	REVISION	DATE

Quist Engineering Inc.
Civil Engineering for Residential & Commercial Site Development
821 NE Columbus ST.
Lee's Summit, Missouri 64063
Phone: (816) 550-5675
e-mail = rwalquist@quistengineering.com

PRELIMINARY PLAT
LAKSIDE FARMS
CIVIL PLANS FOR LAKESIDE FARMS
SMITHVILLE, CLAY COUNTY, MISSOURI

DRAWN BY	RAW
CHECKED BY	RAW
DATE	11-7-2024
PROJECT NO.	W24-302
SCALE	1"=50'

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Development

AGENDA ITEM: Bill No. 3050-25 Rezoning 800 Northwest 92 Highway to B-3 for Second Reading

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REQUESTED BOARD ACTION:
A motion to approve Bill No. 3050-25, changing the zoning classification of certain lands in the City of Smithville, Missouri located at 800 Northwest 92 Highway. Second reading by title only.

SUMMARY:
Applicant seeks to rezone 800 Northwest 92 Highway from A-1 to B-3.

PREVIOUS ACTION:
The property remains zoned as it was when annexed on February 14, 1989.

POLICY ISSUE:
Comprehensive Plan implementation

FINANCIAL CONSIDERATIONS:
n/a

ATTACHMENTS:

- ☒ Ordinance
- ☐ Resolution
- ☒ Staff Report
- ☒ Other: Findings of Fact
- ☐ Contract
- ☐ Plans
- ☐ Minutes

FINDING OF FACTS AND CONCLUSIONS OF LAW

Applicant: Scott and Jennifer Lowe

Land Use Proposed: B-3

Zoning: A-1

Property Location: 800 Northwest 92 Hwy

Pursuant to the provisions of Section 400.560(C) of the Smithville Code, the Planning Commission does hereby make the following findings of fact based upon the testimony and evidence presented in a public hearing of the Planning and Zoning Commission of the City of Smithville, held on December 10, 2024, and presents these findings to the Board of Aldermen, with its' recommendations on the application.

Finding of Facts

1. *Character of the neighborhood.*

The surrounding area is predominantly undeveloped or limitedly developed land. Both parcels to the south and the property to the east have no structures on the land. The C-3 property to the west currently has multiple non-permanent structures and includes a landscaping supply business. The properties to the north and south (along with the subject parcel) are bisected by several large electric transmission lines, which significantly impact the character of the area.

2. *Consistency with the City's Comprehensive Plan and ordinances.*

The existing Comprehensive Plan was adopted on November 10, 2020, by the Planning Commission and adopted as the City's development Policy on November 17, 2020 by the Board of Aldermen. The Future Land Use Map in that policy did not anticipate any substantial growth or development of this area in the 10 years following its' adoption. The 74+ acre property to the south, when annexed, could appropriately become part of the industrial area to the south.

3. *Adequacy of public utilities and other needed public services.*

Streets and Sidewalks:

The parcel has frontage upon 92 Highway and is adequate to support a commercial use.

Water, Sewer and Storm water

The city has a waterline that touches the east side of the property (with no current service), and sewers will be installed across the east part of the property with the new bypass force main for the south pump station project. Any future development of the property will be required to go through the site plan review process, which will include all utility development processes as needed.

All other utilities

Any future development will be conditioned upon installation of all other needed utilities at the cost of the development.

4. Suitability of the uses to which the property has been restricted under its existing zoning.

The current use is as farmland with a single-family home, but it fronts upon a busy state highway and is more suitable for commercial uses. The parcel is bisected by several large electric supply lines, which limits is usability in that easement area.

5. Length of time the property has remained vacant as zoned.

The property has been zoned A-1 since annexation in 1989 and no additional development has occurred.

6. Compatibility of the proposed district classification with nearby properties.

The proposed district is essentially the same as the existing adjacent uses.

7. The extent to which the zoning amendment may detrimentally affect nearby property.

No detriment is anticipated.

8. Whether the proposed amendment provides a disproportionately great loss to the individual landowners nearby relative to the public gain.

No loss to landowners is expected.

9. That in rendering this Finding of Fact, testimony at the public hearing on December 10, 2024, has been taken into consideration as well as the documents provided.

Recommendation of the Planning Commission

Based on the foregoing findings of fact, we conclude that:

A. This application and the Rezoning of this property from A-1 to B-3 is governed by Section 400.560 of the zoning ordinance of Smithville, Missouri.

B. The proposed zoning is compatible with the factors set out in Section 400.560(C) of the zoning ordinance.

C. The Planning and Zoning Commission of the City of Smithville, Missouri recommends approval of rezoning the land to B-3.

BILL NO. 3050-25 **ORDINANCE NO. 324X-25**

AN ORDINANCE CHANGING THE ZONING CLASSIFICATIONS OR DISTRICTS OF CERTAIN LANDS LOCATED IN THE CITY OF SMITHVILLE, MISSOURI LOCATED AT 800 NORTHWEST 92 HIGHWAY

WHEREAS, The City of Smithville received an application for rezoning 800 Northwest 92 Highway on October 9, 2024; and

WHEREAS, Public Notice was published in the Courier Tribune and letters to property owners within 185' were sent not less than 15 days prior to the Public Hearing conducted before the Planning Commission on December 10, 2024; and

WHEREAS, the Planning Commission presented its' findings to the Board of Aldermen and recommended approval of the rezoning request; and,

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, THAT;

Section 1. Having received a recommendation from the Planning Commission, and proper notice having been given and public hearing held as provided by law, and under the authority of and subject to the provisions of the zoning ordinances of the City of Smithville, Missouri, by a majority council vote, the zoning classification(s) or district(s) of the lands legally described hereby are changed as follows:

The property legally described as:

The Southwest Quarter of the Southeast Quarter of Section 27, Township 53, Range 33, Smithville, Clay County, Missouri, Except that part that lies Southwesterly of said Highway No. 92 as described in said Book 1296 and page 15, subject to that part, if any, in streets, roadways and highways or other public rights-of-way.

is hereby changed from A-1 to B-3.

Section 2. Upon the taking effect of this ordinance, the above zoning changes shall be entered and shown upon the "Official Zoning Map" previously adopted and said Official Zoning Map is hereby reincorporated as a part of the zoning ordinance as amended.

Section 3. This ordinance shall take effect and be in full force from and after the approval.

PASSED THIS 7TH DAY OF JANUARY, 2025.

_____

Damien Boley, Mayor

ATTEST:

_____

Linda Drummond, City Clerk

First Reading: 12/17/2024

Second Reading 01/07/2025

SMITHVILLE
DEVELOPMENT

STAFF REPORT

December 3, 2024
Rezoning of Parcel Id # 05-802-00-02-012.00

Application for a Zoning District Classification Amendment

Code Sections:
400.560.C Zoning District Classification Amendments

Property Information:

Address:	800 NW 92 Hwy
Owner:	Scott and Jennifer Lowe
Current Zoning:	A-1
Proposed Zoning:	B-3

Public Notice Dates:

1st Publication in Newspaper:	November 21, 2024
Letters to Property Owners w/in 185':	November 25, 2024

GENERAL DESCRIPTION:

The applicant made application, proposing to rezone approximately 35.5 acres +/- from A-1 to B-3. The property is the furthest west parcel of land within the City Limits on the north side of 92 Highway. To its' east is a parcel zoned B-3. To its' west is land zoned County C-3 (commercial). On the south side of 92 Highway is a 74.68 acre parcel zoned County C-2 (commercial) and another 2.11 acre parcel zoned A-1.

EXISTING ZONING:

The existing zoning is A-1 has been in place since the property was annexed on February 14, 1989.

CHARACTER OF THE NEIGHBORHOOD *400.560.C.1*

The surrounding area is predominantly undeveloped or limitedly developed land. Both parcels to the south and the property to the east have no structures on the land. The C-3 property to the west currently has multiple non-permanent structures and includes a landscaping supply business. The properties to the north and south (along

with the subject parcel) are bisected by several large electric transmission lines, which significantly impact the character of the area.

CONSISTENCY WITH COMPREHENSIVE PLAN AND ORDINANCES *400.560.C.2*

The existing Comprehensive Plan was adopted on November 10, 2020, by the Planning Commission and adopted as the City's development Policy on November 17, 2020 by the Board of Aldermen. The Future Land Use Map in that policy did not anticipate any substantial growth or development of this area in the 10 years following its' adoption. The 74+ acre property to the south, when annexed, could appropriately become part of the industrial area to the south.

ADEQUACY OF PUBLIC UTILITIES OR OTHER PUBLIC SERVICES *400.560.C.3*

Streets and Sidewalks:

The parcel has frontage upon 92 Highway and is adequate to support a commercial use.

Water, Sewer and Storm water

The city has a waterline that touches the east side of the property (with no current service) and sewers will be installed across the east part of the property with the new bypass force main for the south pump station project. Any future development of the property will be required to go through the site plan review process, which will include all utility development processes as needed.

All other utilities

Any future development will be conditioned upon installation of all other needed utilities at the cost of the development.

SUITABILITY OF THE USES TO WHICH THE PROPERTY HAS BEEN RESTRICTED UNDER ITS EXISTING ZONING *400.560.C.4*

The current use is as farmland with a single-family home, but it fronts upon a busy state highway and is more suitable for commercial uses. The parcel is bisected by several large electric supply lines, which limits is usability in that easement area.

TIME THE PROPERTY HAS REMAINED VACANT AS ZONED *400.560.C.5*

The property has been zoned A-1 since annexation in 1989 and no additional development has occurred.

COMPATIBILITY OF PROPOSED DISTRICT WITH NEARBY LAND *400.560.C.6*

The proposed district is essentially the same as the existing developed adjacent uses.

EXTENT WHICH THE AMENDMENT MAY DETRIMENTALLY AFFECT NEARBY PROPERTY *400.560C.7*

No detrimental effects are known.

WHTHER THE PROPOSAL HAS A DISPROPORTIONATE GREAT LOSS TO ADJOINING PROPERTY OWNERS' RELATIVE TO THE PUBLIC GAIN *400.560.C.8*

With no detrimental effects known, no great loss is expected.

STAFF RECOMMENDATION:

Staff recommends APPROVAL of the proposed district based upon the change meeting the Comprehensive Plan's intent.

Respectfully Submitted,

_____

Zoning Administrator

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Public Works

AGENDA ITEM: Approve Bill No. 3051-25, FY2025 Budget Amendment No. 3 - 1st and 2nd Reading

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REQUESTED BOARD ACTION:
A motion to approve Bill No. 3051-25, amending the FY2025 Operating Budget to add $264,465.95 to the Combined Water and Wastewater Systems Fund. Emergency Ordinance Sponsored by Mayor Boley - 1st and 2nd reading by title only.

SUMMARY:
This Budget Amendment includes an adjustment to the Combined Water and Wastewater Fund adding $264,465.95 to the expenditure budget as detailed below:

- The Board approved Resolution 1299 awarding the bid in the amount of $188,000 plus an additional force account in an amount of $50,000 for a total project cost of $238,000 on January 16, 2024.
- The project was included in the 2024 budget in the amount of $400,000.
- The project was recently completed for the amount of $264,465.67.
- The project was not carried over in the 2025 budget and a budget amendment is required.
- A change order in the amount of $26,465.95 is also needed as a result of the final cost of $264,465.95 exceeding the authorized amount of $238,000. This is included in Resolution 1438 later on this agenda.

PREVIOUS ACTION:
The Board previously approved the FY2025 Budget on October 15, 2024.

POLICY ISSUE:
Approving an amendment to the FY2025 Budget.

FINANCIAL CONSIDERATIONS:
This project was in the 2024 budget. There are sufficient funds in the CWWS fund for this project.

ATTACHMENTS:

☒ Ordinance	☐ Contract
☐ Resolution	☐ Plans
☐ Staff Report	☐ Minutes
☐ Other:	

BILL NO. 3051-25 **ORDINANCE NO. 324X-25**

AN ORDINANCE AMENDING THE FY2025 OPERATING BUDGET TO ADD $264,465.95 TO THE COMBINED WATER AND WASTEWATER SYSTEMS FUND

WHEREAS, RFP 23-11 water treatment plant residuals cleanout project was budgeted in the 2024 operating budget; and

WHEREAS, the project was not completed until after the 2024 fiscal year budget had ended; and

WHEREAS, pursuant to Ordinance 3042-24, passed on October 15, 2024, the City approved the fiscal year ending October 31, 2025, Budget; and

WHEREAS, expenditures for RFP 23-11 were not included in the approved fiscal year 2025 Budget; and

WHEREAS, an amendment to the Combined Water and Wastewater Fund is required at this time.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI AS FOLLOWS:

THAT the fiscal year ending October 31, 2025, Budget is hereby amended to add:

- $264,465.95 to the expenditure budget in the Combined Water and Wastewater Fund.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of January 2025 .

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

First Reading: 1/7/2025

Second Reading: 1/7/2025

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Administration

AGENDA ITEM: Bill No. 3052-25 – Calling an Election in the City of Smithville, Missouri, 1st Reading

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REQUESTED BOARD ACTION:
A motion to approve Bill No. 3052-25, calling an election in the City of Smithville, Missouri and placing the issue on the April 8 ballot, first reading by title only.

BACKGROUND:
Funding needs for police operations and equipment needs have been identified for several years. In 2023, the General Assembly passed and the Governor signed a bill that gives the City of Smithville the ability to take to the voters a ballot measure to establish a public safety sales tax.

A half-cent sales tax is projected to generate approximately $700,000 in revenues annually. It is recommended that, if approved, the tax proceeds be used to fund:

- Enhancements to officer compensation to aid in recruitment and retention of officers.
- Fund necessary public safety equipment and staff to support community growth.
- Implementation of a full-time animal control program.

PREVIOUS ACTION:
At the May 2024 Governing Body retreat, the Board of Aldermen directed staff to develop ballot language. This direction was reiterated at work sessions in October and December.

A similar question on the November 7, 2023 ballot.

FINANCIAL CONSIDERATIONS:
Approval of a public safety sales tax would provide resources to fund police operations and equipment needs.

ATTACHMENTS:

☒ Ordinance
☐ Resolution
☐ Staff Report
☐ Other
☐ Contract
☐ Plans
☐ Minutes

BILL NO. 3052-25 **ORDINANCE NO. 325X-25**

AN ORDINANCE OF THE CITY OF SMITHVILLE, MISSOURI, IMPOSING A SALES TAX FOR PUBLIC SAFETY PURPOSES AT THE RATE OF ONE-HALF OF ONE PERCENT, PURSUANT TO SECTION 94.903 R.S.MO. AND PROVIDING FOR SUBMISSION OF THE PROPOSAL TO THE QUALIFIED VOTERS OF THE CITY FOR THEIR APPROVAL AT THE APRIL 8, 2025, ELECTION

WHEREAS the City of Smithville, Missouri is authorized pursuant to Section 94.903 R.S. Mo. to levy a public safety sales tax at the rate of one-half of one percent. and

WHEREAS the purpose of the public safety sales tax is for the improvement of public safety, including but not limited to, expenditures on or for equipment, City Public Safety employee salaries and benefits and facilities for the Police Department. and

WHEREAS the City's proposed public safety sales tax cannot become effective until approved by the voters at a municipal general, primary, or special election; and the City wishes to submit the issue to the voters. and

WHEREAS the City Board of Alderman wishes to submit the matter of the public safety sales tax to the qualified voters of the city at the general election on April 8, 2025.

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

1) The City of Smithville imposes a public safety sales tax, pursuant to the authority granted by, and subject to the provisions of Section 94.903, R.S. Mo. for public safety purposes. The tax is imposed on all retail sales made in the city that are subject to taxation under Chapter 144 R.S.Mo. The tax shall be in addition to all other sales taxes imposed by law and shall be stated separately from all other charges and taxes. The tax shall be for the purpose of improving the public safety of the city, including, but not limited to expenditures on police equipment, salaries, benefits, and facilities.

2) The rate of tax shall be one-half of one percent.

3) This Ordinance shall be submitted to the qualified voters of Smithville, Missouri for their approval as required by the provisions of Section 94.903 R.S.Mo. at the General election hereby called and to be held in the City on the 8th day April 2025. The official ballot to be supplied and used at said election shall be in substantially the following form:

PROPOSITION P

Shall the City of Smithville impose a citywide sales tax at the rate of one-half of one percent for the purpose of improving the public safety of the City?

☐ YES ☐ NO

INSTRUCTIONS TO VOTERS: If you are in favor of the proposition, place an X in the box opposite "YES." If you are opposed to the proposition, place an X in the box opposite "NO."

4) The City expects to make expenditures on and after the date of adoption of this Ordinance to enhance police services in the City.

5) This Ordinance shall be in full force and effect from and after the date of its passage and approval.

6) The City Clerk is hereby authorized and directed to notify the Clay County Board of Election Commissioners and the Platte County Board of Election Commissioners, no later than 4:00 P.M. on January 28, 2025 of the adoption of this Ordinance and to include in said notification all the terms and provisions required by Chapter 115 of the Revised Statutes of Missouri, as amended.

7) That a Notice of Election, a copy of which is marked as **Exhibit A**, attached hereto and hereby incorporated in this Ordinance by reference, and the same is hereby approved and the Mayor and the City Clerk are hereby authorized and directed to execute the same for and on behalf of the City of Smithville, Missouri, and to deliver the same to the Clay and Platte County Board of Elections in Liberty and Platte City, Missouri no later than 4:00 P.M. on January 28, 2025 and to include in said notification all of the terms and provisions required by Chapter 115 of the Revised Statutes of Missouri, as amended.

8) Within ten (10) days after the approval of this ordinance by the qualified voters of Smithville, Missouri, the City Clerk shall forward to the Director of Revenue of the State of Missouri by United States registered mail or certified mail, a certified copy of this ordinance together with certifications of the election returns and accompanied by a map of the City clearly showing the boundaries thereof.

PASSED by the Board of Aldermen of the City of Smithville, Missouri, this 21st day of January 2025.

_____

Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

First Reading: 01/07/2025
Second Reading 01/21/2025

Exhibit A

NOTICE OF ELECTION

Notice is hereby given that an election to impose a citywide sales tax for the purpose of improving the public safety of the City of Smithville, Missouri will be held in the City of Smithville, Missouri on April 8, 2025, at which election all registered voters in the City of Smithville, Missouri, will be given an opportunity to vote. Official ballot for said election will be in substantially the following form:

PROPOSITION P

Shall the City of Smithville impose a citywide sales tax at the rate of one-half of one percent for the purpose of improving the public safety of the City?

☐ YES ☐ NO

INSTRUCTIONS TO VOTERS: If you are in favor of the proposition, place an X in the box opposite "YES." If you are opposed to the proposition, place an X in the box opposite "NO."

The polling place for said election will be open at 6:00 AM and close at 7:00 PM.

Given under my hand and official seal of the City of Smithville, Missouri this 21st day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Development

AGENDA ITEM: Resolution 1436, Preliminary Plat – Lakeside Farms

---

REQUESTED BOARD ACTION:
A motion to approve Resolution 1435, approving a preliminary plat for Lakeside Farms subdivision and authorizing the Mayor to execute a development agreement.

SUMMARY:
Applicant submitted an application to amend the conceptual plan for "Eagle Heights" subdivision at 18400 Eagle Parkway by creating a new Conceptual Plan for Lakeside Farms on the same property. Those amendments would change the density of both the single-family and two-family areas – 152 SF to 201 SF and 40 2F to 44 2F – from 232 units to 289 units. A development agreement has been drafted that identifies the timing and scope of improvements the applicant must construct both on-site and off-site.
That agreement requires the applicant to install a new sewer pump station, construct approximately 1,300 feet of gravity interceptor that will retire the existing Wildflower station; install a new traffic signal at 188th and 169 before the 61st dwelling is approved; complete construction of a 10' trail from 188th Street to the subject property and from the north property line to the new street entrance in exchange for a reduction in the park fees and an extension of completing the 10' trail to the south property line until the 110th permit. Additionally, the development will dedicate 1 acre of land to the Wildflower Park property after clearing and grading the site in accordance with plans to be approved by the parks and public works departments. With the dedication of park land, and construction of the trail as stated above, the remaining park fees will total $25,143.75.

At the Planning Commission hearing, following the public hearing portion of the meeting, limited discussion occurred. The Commission recommended approving the plat as presented, including the development agreement terms.

PREVIOUS ACTION:
The property was annexed and zoned to R-1P and R-2P with a conceptual plan in 2018 but not developed. Concurrently with this application for a preliminary plat, the applicant seeks to amend the Conceptual Plan on the land.

POLICY OBJECTIVE:
Develop in accordance with the Future Land Use Plan Map in the Comprehensive Plan.

FINANCIAL CONSIDERATIONS:

No additional expenditures are anticipated other than normal street maintenance and property taxes will increase as the properties develop.

ATTACHMENTS:

- ☐ Ordinance
- ☒ Resolution
- ☒ Staff Report
- ☐ Other:
- ☐ Contract
- ☒ Plans
- ☒ Minutes – meeting is viewable online

RESOLUTION 1435

A RESOLUTION APPROVING A PRELIMINARY PLAT FOR LAKESIDE FARMS SUBDIVISION AND AUTHORIZING THE MAYOR TO EXECUTE A DEVELOPMENT AGREEMENT

WHEREAS, the applicant seeks to amend the Conceptual Plan on the subject property, and preliminarily plat an 80-acre tract at 18400 Eagle Parkway; and

WHEREAS, the Board of Aldermen approved amending the Conceptual Plan for a new Lakeside Farms on property zoned R-1P and R-2P at the meeting this Resolution was heard; and

WHEREAS, the applicant requested a Preliminary Plat to create a new 245 lot subdivision with up to 289 dwelling units in phases, and agreed to a development agreement for it; and

WHEREAS, the Planning and Zoning Commission held a properly advertised public hearing on December 10, 2024 and following that public hearing, recommended approval of the plat.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

THAT THE PRELIMINARY PLAT FOR LAKESIDE FARMS SUBDIVISION IS HEREBY APPROVED AND THE MAYOR IS AUTHORIZED AND DIRECTED TO EXECUTE THE ATTACHED DEVELOPMENT AGREEMENT.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

STAFF REPORT
December 6, 2024
Platting of Parcel Id's # 05-302-00-01-005.00 and 05-301-00-01-008.01

Application for a Preliminary Plat Approval – Multiphase subdivision

Code Sections:

425.275.A.3	Multiphase Plat Approval

Property Information:

Address:	18400 N Eagle Parkway
Owner:	Eagle Heights Development, LLC
Current Zoning:	R-1P and R-2P

Public Notice Dates:

1st Publication in Newspaper:	November 20, 2024
Letters to Property Owners w/in 185':	November 21, 2024

GENERAL DESCRIPTION:

The applicant requested an amendment to the existing Eagle Heights Conceptual Plan Overlay approval simultaneously with this application for a Preliminary Plat. That request, if approved and adopted by the Board of Aldermen, would set the zoning at R-2P for Lots 1-26 and 37-54, and R-1P all other remaining Lots. The proposed plat would create 44 two-family Lots and 201 Single-family lots with widths averaging 56'.

GUIDELINES FOR REVIEW – PRELIMINARY PLATS *See 425.275.A.3*

Guidelines For Review. The Planning and Zoning Commission shall consider the following criteria in making a recommendation on the preliminary plat:

a. The plat conforms to these regulations and the applicable provisions of Chapter 400, Zoning Regulations, and other land use regulations.

The plat conforms to the subdivision zoning regulations of the City.

b. The plat represents an overall development pattern that is consistent with the goals and policies of the Comprehensive Plan.

The plat is consistent with the Comprehensive Plan's future land use maps recommended residential classification (2-4 dwellings per acre).

The proposal specifically addresses multiple Action Steps in the Comprehensive Plan as follows:

HN 1.1 Support providing additional housing stock throughout the city of Smithville to meet current and future residents' needs by encouraging new residential development in areas identified in the Future Land Use Map.

HN 3.1 Encourage additional residential units near existing residential uses to strengthen the neighborhoods of Smithville.

HN 3.2 Encourage clustered residential development patterns with connected active and passive open space and neighborhood and community amenities.

HN 4.1 Encourage additional residential units near existing residential uses to strengthen the neighborhoods of Smithville.

HN.4.2 Mandate pedestrian connections in new residential developments to adjacent existing or prospective neighborhoods to further strengthen Smithville's pedestrian network.

RC.2.1 Encourage development, mainly residential development, near existing and proposed trail networks.

RC.2.2 Encourage new developments to provide access and pathways to existing and proposed trail networks.

c. The development shall be laid out in such a way as to result in:
(1) Good natural surface drainage to a storm sewer or a natural watercourse.

The subdivision drains to existing natural drainage areas through several detention basins.

(2) A minimum amount of grading on both cut or fill and preservation of good trees and other desirable natural growth.

The area is generally an undeveloped farm field with a corner area that was untended for many years. The grading needed will allow the drainage areas to remain protected while giving sufficient developable areas for construction.

(3) A good grade relationship with the abutting streets, preferably somewhat above the street.

Yes, to the extent possible, lots are generally above the adjacent streets which will used for access.

(4) Adequate lot width for the type or size of dwellings contemplated, including adequate side yards for light, air, access and privacy.

Yes, the lots widths meet the standards in the zoning code for the allowed districts, including all setbacks.

(5) Adequate lot depth for outdoor living space.
The lots meet the minimum sizes.

(6) Generally regular lot shapes, avoiding acute angles.

To the extent practicable with cul-de-sacs and knuckles, the lots involved are appropriate for the two- and single-family uses intended.

(7) Adequate building lots that avoid excessive grading, footings or foundation walls.

The amount of grading is not excessive in any area so footings and foundation walls will be within the normal range.

d. The plat contains a lot and land subdivision layout that is consistent with good land planning and site engineering design principles.

The plat is laid out following standard design principles and matches the previously approved plat on this property.

e. The location, spacing and design of proposed streets, curb cuts and intersections are consistent with good traffic engineering design principles.

The plat contains 289 potential dwelling units with multiple access roads. The proposal was subject to the State of Missouri's Traffic Impact Study requirements (in addition to the City's) and approval of

that report is conditioned upon completion of signalization of the intersection of 188th St. and 169 Highway.

f. The plat is served or will be served at the time of development with all necessary public utilities and facilities, including, but not limited to, water, sewer, gas, electric and telephone service, schools, parks, recreation and open space and libraries in the form of a development agreement.

The developer and city have proposed a development agreement for limited highway improvements, special sewer improvements and park dedication improvements as required by the code.

g. The plat shall comply with the stormwater regulations of the City and all applicable storm drainage and floodplain regulations to ensure the public health and safety of future residents of the subdivision and upstream and downstream properties and residents. The Commission shall expressly find that the amount of off-site stormwater runoff after development will be no greater than the amount of off-site stormwater runoff before development.

The proposed layout and detention areas will not exceed the detention areas with off-site stormwater runoff and is in accordance with engineering standards. The final design of all stormwater systems will be subject to final plan review and approval in accordance with the Final Plat procedures and the standards in place at the time of proposed construction.

h. Each lot in the plat of a residential development has adequate and safe access to/from a local street.

Yes.

i. The plat is located in an area of the City that is appropriate for current development activity; it will not contribute to sprawl nor to the need for inefficient extensions and expansions of public facilities, utilities and services.

The location is located such that it will actually reduce sprawl and all extensions and expansions of existing public facilities are completed in the most efficient manner allowable on the lots.

j. If located in an area proposed for annexation to the City, the area has been annexed prior to, or will be annexed simultaneously with plat approval.

n/a

k. The applicant agrees to dedicate land, right-of-way and easements, as may be determined to be needed, to effectuate the purposes of these regulations and the standards and requirements incorporated herein.

The development is bound by a development agreement that addresses all dedication requirements.

l. All applicable submission requirements have been satisfied in a timely manner.
m. The applicant agrees, in the form of a development agreement, to provide additional improvements, which may include any necessary upgrades to adjacent or nearby existing roads and other facilities to current standards and shall include dedication of adequate rights-of-way to meet the needs of the City's transportation plans.

Yes.

STAFF RECOMMENDATION:

Staff recommends APPROVAL of the proposed Preliminary Plat following approval and execution of the Development Agreement as approved by the Board of Aldermen.

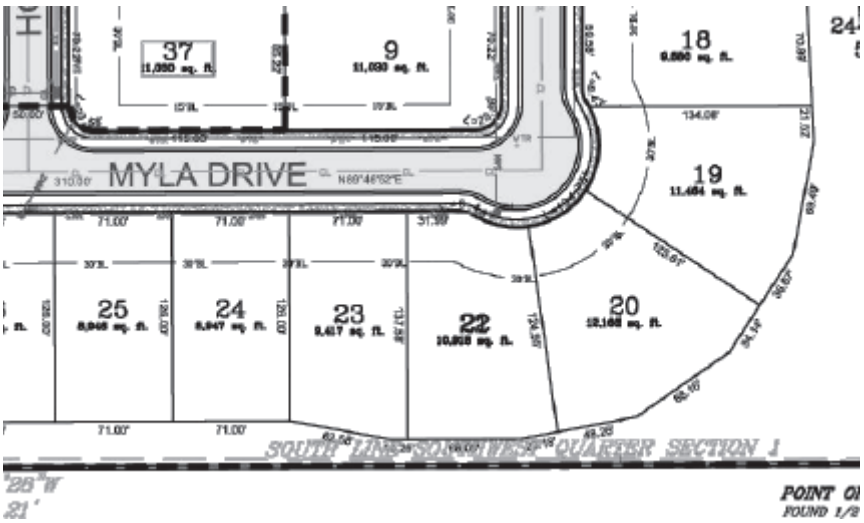
Respectfully Submitted,

____/s/ Jack Hendrix /s/_____
Director of Development

SMITHVILLE missouri **STAFF REPORT**

Date:	January 2, 2025
Prepared By:	Jack Hendrix, Development Director
Subject:	Lakeside Farms Staff Report Addendum

After numerous reviews by both city staff and developers engineers, a numbering error was just found in the proposed preliminary plat document. Specifically, the developers engineer identified that Lot 21 had been overwritten with 22 on the document as shown below:



This oversight slightly changes the numbers contained in the preliminary plat document, but has zero impact on the design, layout or overall effectiveness of the Planning Approval. Specifically, this double numbering has, in effect, reduced the total number of dwelling units described in the documents from 289 to 287. The original document had 44 two-family units + 201 single-family units for a total of 289. The revised document now has 43 two-family units + 201 single-family units for a total of 287. This could have an impact on the parkland dedications and the potential impact fees as identified in the development agreement, however the developer, given the limited reduction in fees and calculations determined that it is more cost effective to stand by the existing calculation to avoid adjustments that would net less than $72.00, but require presenting the matter again to the commission. The engineer is reworking the Preliminary plat to show all the changes to the phasing/numbering to be presented by Monday before the meeting.

DEVELOPMENT AGREEMENT

This Development Agreement ("Agreement") is entered into this ____ day of _____, 2024, by and between **EAGLE HEIGHTS DEVELOPMENT, LLC,** ("Developer") and **THE CITY OF SMITHVILLE, MISSOURI**, a Missouri Corporation ("City") as follows:

WHEREAS, Developer plans on developing its proposed subdivision known as Lakeside Farms located generally west of Eagle Parkway and south of Wildflower subdivision in an area proposed to be moderate density housing (2-4 D.U. per acre) in accordance with the Comprehensive Plan with 201 Single-Family residential detached homes and 86 single-family attached units in 2-unit buildings for a density of 3.61 units per acre; and

WHEREAS, the City will make certain requirements for off and on site improvements if said land is developed as a large one and two-family subdivision; and

WHEREAS, it is in the best interest of both parties to enter into an agreement as to what improvements and obligations under the city's subdivision code will be required of Developer; and

WHEREAS, this Agreement is necessary to provide for the safety, health and general welfare of the public and to provide for the orderly development of City.

NOW, THEREFORE, in consideration of the foregoing recitals and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. The terms of this agreement apply to the following property and all portions thereof to be in a subdivision called Lakeside Farms, the legal description of which is set forth on the Lakeside Farms Conceptual Plan Plat thereof as Exhibit A attached hereto.

2. Water. It is recognized that the development will require extension of waterlines from various locations upon full buildout to improve fire flows and waterline pressures for the development and the surrounding properties' and, therefore the parties agree that the Developer will, at their sole cost and expense, construct all such waterlines required for the subdivision based upon design plans and water model requirements to meet DNR requirements, Fire District and City approval.

3. Streets. That the City and MODOT have accepted and approved the TIS and all updates to the TIS submitted by the Developer. In accordance with the approved TIS, the development must install a new signal light at the intersection of 188th Street and 169 Highway. Such construction shall be in accordance with MODOT requirements and subject to MODOT permitting and approvals. Such construction must be commenced prior to final platting of the 61 lot in the subdivision and must be substantially completed prior to the issuance of the 61st dwelling unit's building permit in the subdivision. Developer has indicated an intent to install solar street lights throughout the development at his sole cost and expense and will insure that, at a minimum, lights shall be installed and maintained at all intersections and end of roads per the city policy.

4. Stormwater. The parties agree that the development will be required to design and construct all necessary infrastructure required to meet the then existing city standards for stormwater control at its' own cost and expense. Such construction will be in

accordance with an approved stormwater study, and any updates to such study may be required from time to time.

5. Sanitary Sewers. The parties agree that the development will be required to design and construct all necessary infrastructure required to meet the then existing city standards for gravity-flow sanitary sewers throughout the subdivision, to a new Lift Station to be constructed on the project site. The development will, subject to the terms of this agreement, install a new lift station in the southwest corner of the development sufficient to accommodate the flow from the 289 dwelling units of the Lakeside Farms development, as well as the flow from the existing Wildflower subdivision to the north.

The flow from the Wildflower development to the new lift station shall be conveyed through the construction of a new, 18" gravity interceptor line between the existing Wildflower station and the new Lakeside Farms station. It is further agreed that this new 18" line shall be at a depth approved by the city that is sufficient to meet the standards for the proposed Owens Branch Interceptor, Phase 3 as contained in the 2021 Wastewater Master Plan. This interceptor line will constitute ½ of the total distance of the proposed Phase 3 but is not anticipated to be needed for more than 20 years of development in the north. This new gravity interceptor shall, until such time as the Owens Branch Interceptor located to the south of this development is completed and brought online, act as the required overflow storage for the combined flow from both developments, as required by the DNR.

The developer, whether with this interceptor or not installed, would be required to construct its own independent lift station and overflow storage without this agreement at its sole cost and expense. While this proposal adds significant cost to the developer, it also

provides significant benefits to the city by removing the Wildflower Station from the City's system, including the costs associated with upgrading the Wildflower Station in the near future. As such, the parties do further agree as follows:

The developer shall install the new lift station and all other required elements, as well as the 18" interceptor between the new station and the existing Wildflower station, as well as take the Wildflower station offline at its' expense. This station and interceptor shall be designed and constructed to accommodate both the Wildflower and the Lakeside Farms effluent. In consideration of the developer removing the Wildflower station from the City's system, as well as installing the Owens Branch Interceptor – Phase 3 project as described in the city's wastewater master plan, the city does consider portions of the work involved as "Impact Fee" type projects. As such, the total amount of impact fees this new development would be required to pay (currently $2,800 Sewer Impact Fee + $279 North Force Main Fee per unit) shall be reduced by a percentage of the current costs of impact related project costs.

The parties do hereby agree that the current Impact Fees for the 289 units involved would currently total $889,831.00 dollars for the entire development. The current impact fee related costs of the proposed sewer design are $661,250.00. The savings associated with the city not having to upgrade the Wildflower station in 2025 are $75,650.00. These combined costs (661,250 + 75,650 = 736,900) represent 82.8 percent of the total impact fees usually required for this type of project. As a result, the City agrees to discount the per unit impact fee cost by that percentage, leaving a required Impact Fee payment of 17.2% of the Impact Fee required at the time of development. This constitutes a current fee of $529.17 based upon the current $3,079 fee. IF, in the future, the impact fee amount

is increased by the City, the reduction this development will receive will be 17.2% of the then required fee.

6. Parks. The parties agree that the Parkland dedication requirements of the city code shall be calculated as follows:

a. The development proposes 289 dwelling units which will result in the need for 16.473 acres (717,563.88 ft^2) of parkland in accordance with the subdivision formula. (289 d.u. x 2.85 census density x .02 acres per 100 = 16.473) The development proposes 15,240ft2 (1,270 ft X 12 ft) of creditable trails along Eagle Parkway. It also includes 50% of Tract A land to be used for a private park for a total of 34,136.5 ft^2 (68,273 x .5). In addition, the development would include an additional land area of 1 acre (43,560ft^2) to be dedicated to the City of Smithville as parkland, to be added to the existing parkland from Wildflower Park to the north. This 1-acre dedication will only be accepted by the city if the developer agrees to grade the land and direct the current drainage into the adjacent road ditch of Eagle Parkway. The parties shall agree upon the exact scope of the grading upon removal of brush and debris on the north side of the parcel. The minimum scope of such work will include preparing an access point at Eagle parkway for future installation and routing the storm drainage around such entrance point to the road ditch on Eagle Parkway. All three of these dedications represent 13% (92,9365/717,563.88) of the total dedication required. The remaining dedication requirement (87%) shall be made by a payment in lieu of dedication ($625 x .87) of $543.75 per dwelling unit. The total balance of such payment in lieu of dedication is $157,143.75.

Ordinarily, that fee is payable in cash at the time a final plat is recorded based upon the total number of dwelling units included in the final plat. However, the city will reduce the

actual required payment by a percentage amount if the developer installs an offsite 10' concrete trail/sidewalk from its' northeast corner at Eagle Parkway to the existing sidewalk at 188th Street and Eagle Parkway. The percentage discount of the required Payment in lieu of dedication shall be 84% (1320' x 10' = 13,200ft^2 X $10 per ft^2 = $132,000/$157,143.75) for a total required payment in lieu of dedication amount of $81.25 per dwelling unit – upon the condition that said sidewalk/trail is constructed to the "substantial completion" standard prior to recording the final plat for the first phase of the development. If the construction of the trail is not substantially completed prior to final plat recording, the developer shall then be required to pay the $543.75 amount per unit.

b. The parties further agree that the park amenities described on development property within the preliminary plat are subject to Section 425.230.B. In accordance with that section, and Section 425.300, the trails shown on the preliminary plat shall be constructed prior to occupancy of 30 percent of the lots in the development, or here, the 86th dwelling unit. If the developer opts to construct the 10' trail north of the subject property in accordance with subparagraph a. above, the city will agree to change the 86th permit to the 110th permit if the developer <u>also</u> constructs to the "substantial completion" standard, the trail from the north side of Kimberly Drive to its' north property line, thereby giving direct trail access to Eagle Heights elementary school prior to the first final plat. This distance represents 28% of the total requirement for the onsite trail, and the 110th permit is 28% more than the standard 86th permit. If no trail access is constructed from Kimberly Drive to 188th Street as described above, then the original requirements shall continue.

c. All trail construction shall be 5" of Portland concrete, 10' wide and on a prepared subgrade.

7. The parties agree that except as specifically noted herein, execution of this Agreement in no way constitutes a waiver of any requirements of applicable City Ordinances with which Developer must comply and does not in any way constitute prior approval of any future proposal for development.

8. All work agreed to be performed by Developer in this Agreement shall be done only after receiving written notice from City to proceed. Notice to proceed shall not be given by the City until final construction plans have been approved by the city. The recording of any final plat shall only occur in accordance with city ordinances.

9. In the event of default in this Agreement by either party, it is agreed that either party shall be entitled to equitable relief to require performance by the other party as well as for any damages incurred by the breach, including reasonable attorney fees.

10. This Agreement shall constitute the complete agreement between the parties and any modification hereof shall be in writing subject to the approval of both parties.

11. Any provision of this Agreement which is not enforceable according to law will be severed and the remaining provisions shall be enforced to the fullest extent permitted by law.

12. The undersigned represent that they each have the authority and capacity of the respective parties to execute this agreement.

13. This agreement shall not be effective until: (1) signed by both partes and (2) approved by Resolution duly enacted by the Board of Aldermen of Smithville, Missouri.

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the date first above written.

THE CITY OF SMITHVILLE, MISSOURI

ATTEST: **By_____**
Mayor

_____
City Clerk

Eagle Heights Development, LLC

By_____
Carlos Lepe, Managing Member

STATE OF MISSOURI)
) ss.
COUNTY OF CLAY)

On this ____ day of _____, 2024, before me, the undersigned Notary Public, personally appeared _____, to me known, and who, being by me duly sworn, did say that he/she is the managing Member of Eagle Heights Development, LLC, and said instrument was signed and sealed on behalf of said Eagle Heights Development, LLC by authority of its Board and he/she acknowledges said instrument to be the free act and deed of said Eagle Heights Development, LLC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in Clay County, Missouri, on the day and year last written above.

_____
Notary Public

My Commission Expires:

_____

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Finance / Administration

AGENDA ITEM: Resolution 1437, approving the change of the City's credit card processing system.

REQUESTED BOARD ACTION:
A motion to approve Resolution 1437, approving the change of the City of Smithville's credit card processing system from Elavon to Tyler Technologies.

SUMMARY:
In October 2024, the City of Smithville was notified that the partnership between Elavon and Tyler Technologies would be concluding on January 1, 2025. Although this will not disrupt credit card processing, it will prevent the long-term continuation of the collaboration between Elavon and Tyler Technologies. Currently, the only other available credit card processing option, aside from Tyler Technologies, is with Global Payments (formerly OpenEdge). Staff have received a quote from Global Payments and have also explored another processor, Nuvie.

At present, Global Payments, the sole processor partnered with Tyler Technologies, has provided a quote. Global Payments do provide a competitive standard rate per transaction. However, depending on the type of card used, an additional surcharge may be applied, ranging from 0.70% to 4.10%. Staff and customers may not know the final rate until the payment is entered and processed. In addition, this future partnership between Tyler and Global Payments is not guaranteed.

Staff also investigated Nuvie, a processor that does not have a partnership with Tyler Technologies. Using Nuvie would prevent real-time processing, as transactions would need to be batched and uploaded at the end of the day for approval by Tyler Technologies. This delay would inconvenience customers and introduce an additional processing step, which led staff to not pursue a rate quote from Nuvie.

Based on this information, staff recommend Tyler Technologies as the City's credit card processor. This option would allow cost savings to be passed on to customers. The planned implementation is set for April or May 2025, with a brief, one-hour disruption to customer service.

The total cost to change will include:

Two Credit Card Processors:	$700 - $900 each
Recurring Annual Fee:	$360 per credit card processor

$0 for software - $0 for implementation - $0 for support

PREVIOUS ACTION:
None

POLICY OBJECTIVE:
Provide the City's customer base with reliable and cost-effective credit card processing.

FINANCIAL CONSIDERATIONS:
The 2025 budget has sufficient funds for this expense.

ATTACHMENTS:

- ☐ Ordinance
- ☒ Resolution
- ☐ Staff Report
- ☒ Other: Quote / memo
- ☐ Contract
- ☐ Plans
- ☐ Minutes

RESOLUTION 1437

A RESOLUTION APPROVING THE CHANGE OF THE CITY OF SMITHVILLE'S CREDIT CARD PROCESSING SYSTEM FROM ELAVON TO TYLER TECHNOLOGIES.

WHEREAS, the City previously approved Elavon as our credit card processor; and

WHEREAS, the partnership between Elavon and Tyler Technologies ended on January 1, 2025; and

WHEREAS, finance has performed due diligence to ensure Tyler Technologies is the preferred choice; and

WHEREAS, the selection of Tyler Technologies as the City's credit card processor is recommended.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

The City of Smithville's credit card processing system is changed from Elavon to Tyler Technologies.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

Sales Quotation For:
City of Smithville
107 W Main St
Smithville MO 64089-9384
Rick Welch
+1 (816) 532-4158
rwelch@smithvillemo.org

Quoted BY	Lori Dudley
Quote Expiration	1/10/25
Quote Name	Tyler Payments

Tyler Fees per Transaction

Description	Net Unit Price
ERP Pro	
ERP Pro 10 Customer Relationship Management Suite	
Miscellaneous Payments	$ 1.25

Payments

	Use Case	List Price	Service%	Min	Basis Points	Rate	Cap	POS	Online	IVR
Payments - Client Card Cost - Interchange Plus										
Tyler One										
ERP Pro Payments	Utility Billing				0.72%	$ 0.72		X	X	
Payments - Payer Card Cost - Service Fees										
Tyler One										
ERP Pro Payments	Miscellaneous		3.75%	$ 2.50					X	

ERP Pro Payments	Licenses		3.75%	$ 2.50		X	X
ERP Pro Payments	Permits		3.75%	$ 2.50		X	X
ERP Pro Payments	Accounts Receivable		3.95%	$ 2.50		X	
Payments - Other Fees							
Tyler One							
Client eCheck Cost	Utility Billing	$ 1.95					
eCheck Rejects		$ 5.00					
Credit Card Chargebacks		$ 15.00					

Payer Card Cost per card transaction with Visa, MasterCard, Discover, and American Express when applicable.

Client Card Cost - Interchange Plus per card transaction with Visa, MasterCard, Discover, and American Express, when applicable, for all transactions on top of industry-driven rates for bank fees, card brand fees, interchange fees, dues, assessments, and other processing fees.

Client eCheck Cost Per electronic check transaction.

Credit Card Chargebacks If a card payer disputes a transaction at the card issuing bank (e.g. stolen card)

eCheck Rejects When an eCheck transaction comes back as declined (e.g bounced check)

Third Party Software & Hardware

Description	Quantity	Unit Price	Extended Price	Annual
Tyler One				
Payments				
PCI Service Fee (Per Device)	2	$ 0	$ 0	$ 360
Payments EMV Card Reader Purchase	2	$ 529	$ 1,058	$ 0
TOTAL:			**$ 1,058**	**$ 360**

Summary	One Time Fees	Recurring Fees
Total Third Party Hardware, Software, Services	$ 1,058	$ 360
Total Tyler Services		
Summary Total	**$ 1,058**	**$ 360**

Comments

Work will be delivered remotely unless otherwise noted in this agreement.

Expenses associated with onsite services are invoiced as incurred according to Tyler's standard business travel policy.

SaaS is considered a term of one year unless otherwise indicated.

Your use of Tyler Payments and any related items included on this order is subject to the terms found at: https://www.tylertech.com/terms/payment-card-processing-agreement. By signing this order or the agreement in which it is included, you agree you have read, understand, and agree to such terms. Please see attached Tyler Payments fee schedule.

Miscellaneous Payments	Miscellaneous Payments Component allows clients to setup payment forms for misc. payments with a fixed, calculated or open payment amount. The payments are sent from the website to the cash collection/Cashiering application and then posted to the GL application. NOTE: There is a per transaction fee associated with the Miscellaneous Payments that will be paid by client unless Tyler is instructed by the client to pass along to the user at time of payment.
Client eCheck Cost	Per electronic check transaction.
Credit Card Chargebacks	If a card payer disputes a transaction at the card issuing bank (e.g. stolen card)
eCheck Rejects	When an eCheck transaction comes back as declined (e.g bounced check)

Client agrees that items in this sales quotation are, upon Client's signature or approval of same, hereby added to the existing agreement ("Agreement") between the parties and subject to its terms. Additionally, payment for said items, as applicable but subject to any listed assumptions herein, shall conform to the following terms, subject to payment terms in an agreement, amendment, or similar document in which this sales quotation is included:

- License fees for Tyler and third-party software are invoiced upon the earlier of (i) delivery of the license key or (ii) when Tyler makes such software available accessible.
- Fees for hardware are invoiced upon delivery.
- Fees for year one of hardware maintenance are invoiced upon delivery of the hardware.

- Annual Maintenance and Support fees are first payable when Tyler makes the software accessible to the Client, and SaaS fees, Hosting fees, and Subscription fees are first payable on the first day of the month following the date this quotation was signed (or if later, the commencement of the agreement's initial term). Any such fees are prorated to align with the applicable term under the agreement, with renewals invoiced annually thereafter in accord with the agreement.

Fees for services included in this sales quotation shall be invoiced as indicated below.

- Implementation and other professional services fees shall be invoiced as delivered.
- Fixed-fee Business Process Consulting services shall be invoiced 50% upon delivery of the Best Practice Recommendations, by module, and 50% upon delivery of custom desktop procedures, by module.
- Fixed-fee conversions are invoiced 50% upon initial delivery of the converted data, by conversion option, and 50% upon Client acceptance to load the converted data into Live/Production environment, by conversion option. Where conversions are quoted as estimated, Tyler will invoice Client the actual services delivered on a time and materials basis.
- Except as otherwise provided, other fixed price services are invoiced upon complete delivery of the service. For the avoidance of doubt, where "Project Planning Services" are provided, payment shall be invoiced upon delivery of the Implementation Planning document. Dedicated Project Management services, if any, will be invoiced monthly in arrears, beginning on the first day of the month immediately following initiation of project planning.
- If Client has purchased any change management services, those services will be invoiced in accordance with the Agreement.
- Notwithstanding anything to the contrary stated above, the following payment terms shall apply to fees specifically for migrations: Tyler will invoice Client 50% of any Migration Services Fees listed above upon Client approval of the product suite migration schedule. The remaining 50%, by line item, will be billed upon the go-live of the applicable product suite. Tyler will invoice Client for any Project Management Fees listed above upon the go-live of the first product suite. Annual SaaS Fees will be invoiced upon availability of the hosted environment.

Any SaaS or hosted solutions added to an agreement containing Client-hosted Tyler solutions are subject to Tyler's SaaS Services terms found here: https://www.tylertech.com/terms/tyler-saas-services.

Unless otherwise indicated in the contract or amendment thereto, pricing for optional items will be held for six (6) months from the Quote date or the Effective Date of the Contract, whichever is later.

Customer Approval: _____ Date: _____

Print Name: _____ P.O.#: _____

Board of Aldermen Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Public Works

AGENDA ITEM: Resolution 1438, Approving Change Order No. 1 to RFP 23-11, Water Treatment Plant Residuals Cleanout with Richards Construction

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REQUESTED BOARD ACTION:
A motion to approve Resolution 1438, approving Change Order No. 1 to RFP 23-11 Water Treatment Plant Residuals Cleanout with Richards Construction Company.

SUMMARY: The water treatment process includes adding lime to the raw water which is drawn from the lake. Lime acts as a coagulant and settles particulates in the raw water. The water is sent through filters to draw the sediments out of the water. The filters are backwashed, and the sediments are sent to lagoons where the liquid evaporates and the sediments remain in the bottom of the lagoon. The lagoons have to be cleaned out periodically to maintain capacity. The lagoons were last cleaned in 2014 and are full, needing to be cleaned out. Included in the 2024 budget was $400,000 for the residuals cleanout project.

The City received 2 bids, Richards Construction provided the best bid in the amount of $188,000.00. The Board approved Resolution 1299 awarding the bid in an amount of $188,000 plus an additional force account in an amount of $50,000 for a total project cost of $238,000 on January 16, 2024.

The project was bid per dry ton of residuals removed. The dry tons of solids residuals were estimated at 786 DT. Richards Construction removed 1,265.16 dry tons of material for a final total cost of $264,465.67. Change order #1 is for the additional amount of $26,463.95.

The 2024 budget included $400,000 for this project. The project was completed after the 2025 budget was adopted and a budget amendment is needed for the full amount of $264,465.67.

PREVIOUS ACTION:
None

POLICY ISSUE:
Facility / infrastructure maintenance

FINANCIAL CONSIDERATIONS: The 2024 budget included $400,000 for this expense. The budget amendment earlier on this agenda provides FY2025 funding.

ATTACHMENTS:

☐ Ordinance ☐ Contract
☒ Resolution ☐ Plans
☐ Staff Report ☐ Minutes
☒ Other: Engineers explanation / recommendation

RESOLUTION 1438

A RESOLUTION APPROVING CHANGE ORDER NO. 1 TO RFP 23-11, WATER TREATMENT PLANT RESIDUALS CLEANOUT WITH RICHARDS CONSTRUCTION COMPANY

WHEREAS, Bids were opened and read aloud on December 4, 2023, for RFP 23-11, Water Treatment Plant Residuals Cleanout; and

WHEREAS, Richards Construction Company submitted the most responsive bid in the amount of $188,000; and

WHEREAS, on January 16, 2024, the Board approved Resolution 1299 awarding the bid to Richards Construction with a Force Account of $50,000 for a total project cost of $238,000; and

WHEREAS, Richards Construction Company has completed the work and the final quantities are in the amount of $264,465.95.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:
Approving change order #1 with Richards Construction Company in the amount of $26,463.95 for RFP 23-11, Water Treatment Plant Residuals Cleanout.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of January 2025.

_____
Damien Boley, Mayor

ATTEST:

_____
Linda Drummond, City Clerk

Derek A. Patrick, PE
Project Manager
HDR Engineering, Inc.
10450 Holmes Road, Suite 600
Kansas City, MO 64131-3471

December 17, 2024

Chuck Soules
Public Works Director
City of Smithville, MO
107 W Main Street
Smithville, MO 64089

Subject: Overage Explanation for Authorization 99 – Smithville WTP Residual Cleanout Project

Dear Mr. Soules,

The purpose of this letter is to provide an explanation of the change in the final contract price of the Smithville WTP Residual Cleanout Project. This Project was awarded to Richards Construction Company, Inc. in December 2023, and commenced work in October 2024. Over the course of this project unforeseen conditions within the lagoon solids concentration led to a budget overage.

During the design phase of the Project, HDR sampled the lagoons and found solids concentrations ranging from 10-15%. Based on experience from the 2013 WTP Residual Cleanout Project, it was anticipated that solids concentrations would increase near the bottom of the lagoons. Accordingly, HDR and the City utilized a 20% solids concentration assumption for the basis of design, which resulted in an estimated total of 786 dry tons (DT) within the Lagoons.

Upon commencement of construction, the actual lagoons solids concentrations deviated from the basis of design. In Lagoon 1, the solids concentration averaged 40.6%, much higher than anticipated, resulting in the removal of 850.9 DT. Lagoon 2, however, aligned more closely with the basis of design, with an average solids concentration of 19.4%, resulting in the removal of 414.25 DT. In total, 1,265.16 DT were removed from the two lagoons - exceeding the estimated 786 DT.

Richards Construction Company, Inc., initially bid the project at $188,000, but the unexpected increase in solids quantities has led to a total project cost of $264,465.95. HDR has reviewed documentation provided by Richards and recommends approval of the final payment application which includes a $76,465.95 overage.

Attached to this letter is a summary of the solids removed from the lagoons along with the PACE Laboratory data that substantiates the quantities.

Sincerely,

Derek A. Patrick, PE
Project Manager
HDR Engineering, Inc.

Richards Construction

Load Log Summary for Smithville, MO

Date	Cell	Loads	Tons/Load	Percent Solids	Dry Tons	Site	Field Total Dry Tons	Project Total Dry Tons
10/15/2024	West	26	15	37.4	145.86	SMF1	145.86	145.86
10/16/2024	West	27	15	37.1	150.26	SMF1	296.12	296.12
10/17/2024	West	31	15	50.5	234.83	SMF1	530.94	530.94
10/18/2024	West	27	15	48.1	194.81	SMF1	725.75	725.75
10/22/2024	West	28	15	29.8	125.16	SMF1	850.91	850.91
TOTAL		**139**			**850.91**		**850.91**	**850.91**

Date	Cell	Loads	Tons/Load	Percent Solids	Dry Tons	Site	Field Total Dry Tons	Project Total Dry Tons
11/7/2024	East	28	15	10.3	43.26	SMF1	43.26	894.17
11/8/2024	East	29	15	27.7	120.50	SMF1	163.76	1,014.66
11/11/2024	East	23	15	13.8	47.61	SMF1	211.37	1,062.27
11/12/2024	East	29	15	15.1	65.69	SMF1	277.05	1,127.96
11/14/2024	East	13	15	23.1	45.05	SMF1	322.10	1,173.00
11/15/2024	East	24	15	25.6	92.16	SMF1	414.26	1,265.16
TOTAL		**146**			**414.26**		**414.26**	**1,265.16**

Project Totals	**285**		**1,265.16**	**1,265.16**

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

November 01, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60462646

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ryan N. Brumfield
ryan.brumfield@pacelabs.com
(913)599-5665
Project Manager

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60462646

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60462646

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462646001	**10-15**	Solid	10/15/24 16:00	10/16/24 11:25

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Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60462646

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60462646001	**10-15**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

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9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60462646

Sample: 10-15 **Lab ID: 60462646001** Collected: 10/15/24 16:00 Received: 10/16/24 11:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**62.6**	%	0.50	1		10/17/24 16:24		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**37.4**	%	0.10	1		10/17/24 16:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60462646

QC Batch: 912926
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60462646001

METHOD BLANK: 3614432 Matrix: Solid
Associated Lab Samples: 60462646001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/17/24 16:23	

SAMPLE DUPLICATE: 3614433

Parameter	Units	60462523008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	27.1	27.3	0	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60462646

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60462646

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60462646001	**10-15**	ASTM D2974	912931		
60462646001	**10-15**	SM 2540G	912926		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Condition [illegible]	WO# : 60462646
	Revision: 2	Effective Date: 01/12/2

Client Name: HEAD

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ [illegible] Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☑ No ☐

Custody Seal on Cooler/Box Present: Yes ☐ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other ☑

Thermometer Used: TR18 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): As-read 5.8 Corr. Factor -.1 Corrected 5.7

Date and initials of person examining contents: 6/10/16

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested: 3day	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☑No ☐N/A	
Filtered volume received for dissolved tests?	☐Yes ☑No ☐N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: WSL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: NO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Page 1 of 1

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

694626446

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Hodges Farms and Dredging	Report To:	Aaron Gruenewald/Jeff Hodges	Attention:	
Address:	501 N. West Street	Copy To:		Company Name:	
	Lebo, KS 66856			Address:	
Email To:	agruenewald@hodgesfd.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	920-373-8715 Fax:	Project Name:	Smithville, MO	Pace Project Manager:	
Requested Due Date/TAT:	RUSH	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: 6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	10-15	SL	C	10/15/24	8:00	10/15/24	16:00		1	X															X			X				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
*Collect Fecal Coliform samples after 10:00am	Hayden Richards	10/14/24	11:23		10/16	1125	5.7	X	N	Y
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Client: HF & D

Profile/EZ # 2421

Site: Smithville

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	J																															
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NAOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate	Matrix	
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpresserved plstic		

Work Order Number: 6946246

ANALYTICAL REPORT

Lab Number:	L2460759
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Ryan Brumfield
Phone:	(913) 307-6958
Project Name:	SMITHFIELD, MO
Project Number:	60462646
Report Date:	11/01/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SMITHFIELD, MO
Project Number: 60462646

Lab Number: L2460759
Report Date: 11/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2460759-01	10-15	SOLID	MO	10/15/24 16:00	10/18/24

Project Name:	SMITHFIELD, MO	**Lab Number:**	L2460759
Project Number:	60462646	**Report Date:**	11/01/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

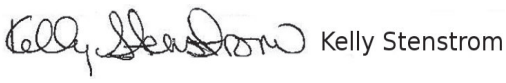
When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 11/01/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHFIELD, MO
Project Number: 60462646

Lab Number: L2460759
Report Date: 11/01/24

SAMPLE RESULTS

Lab ID: L2460759-01
Client ID: 10-15
Sample Location: MO

Date Collected: 10/15/24 16:00
Date Received: 10/18/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.11		SU	0.100	--	1	-	11/01/24 03:30	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHFIELD, MO
Project Number: 60462646

Lab Number: L2460759
Report Date: 11/01/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1991738-1 QC Sample: L2460759-01 Client ID: 10-15						
Density	1.11	1.21	SU	9		

Project Name: SMITHFIELD, MO
Project Number: 60462646

Lab Number: L2460759
Report Date: 11/01/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460759-01A	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHFIELD, MO	**Lab Number:**	L2460759
Project Number:	60462646	**Report Date:**	11/01/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHFIELD, MO	**Lab Number:**	L2460759
Project Number:	60462646	**Report Date:**	11/01/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHFIELD, MO	**Lab Number:**	L2460759
Project Number:	60462646	**Report Date:**	11/01/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHFIELD, MO
Project Number: 60462646
Lab Number: L2460759
Report Date: 11/01/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

10/18/24 L2460759

Internal Transfer Chain of Custody

Pace

[x] Rush Multiplier____X
[ ] Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: [ ] Yes [x] No

Workorder: 60462646 Workorder Name: SMITHVILLE, MO

Owner Received Date: 10/16/2024 Results Requested By: 10/21/2024

Report To	Subcontract To
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Bulk Density												LAB USE ONLY
1	10-15	PS	10/15/2024 16:00	60462646001	Solid	1						X												
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1			Fedex	
2	Fedex	10/18/24 1007	[signature]	10/18/24 1007
3				

Comments: Location: 6091-R2-S3B3 **SR-Split sample and send in JGFU**

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

10/18/24 L2460759

Pace

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

INTER_LABORATORY WORK ORDER # 60462646
(To be completed by sending lab)

Sending Project No:	60462646
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/17/24
REQUESTED COMPLETION DATE:	**10/21/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed N

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	JGFU	1	Unpreserved	1	SI-20MET	SUB PASI MET

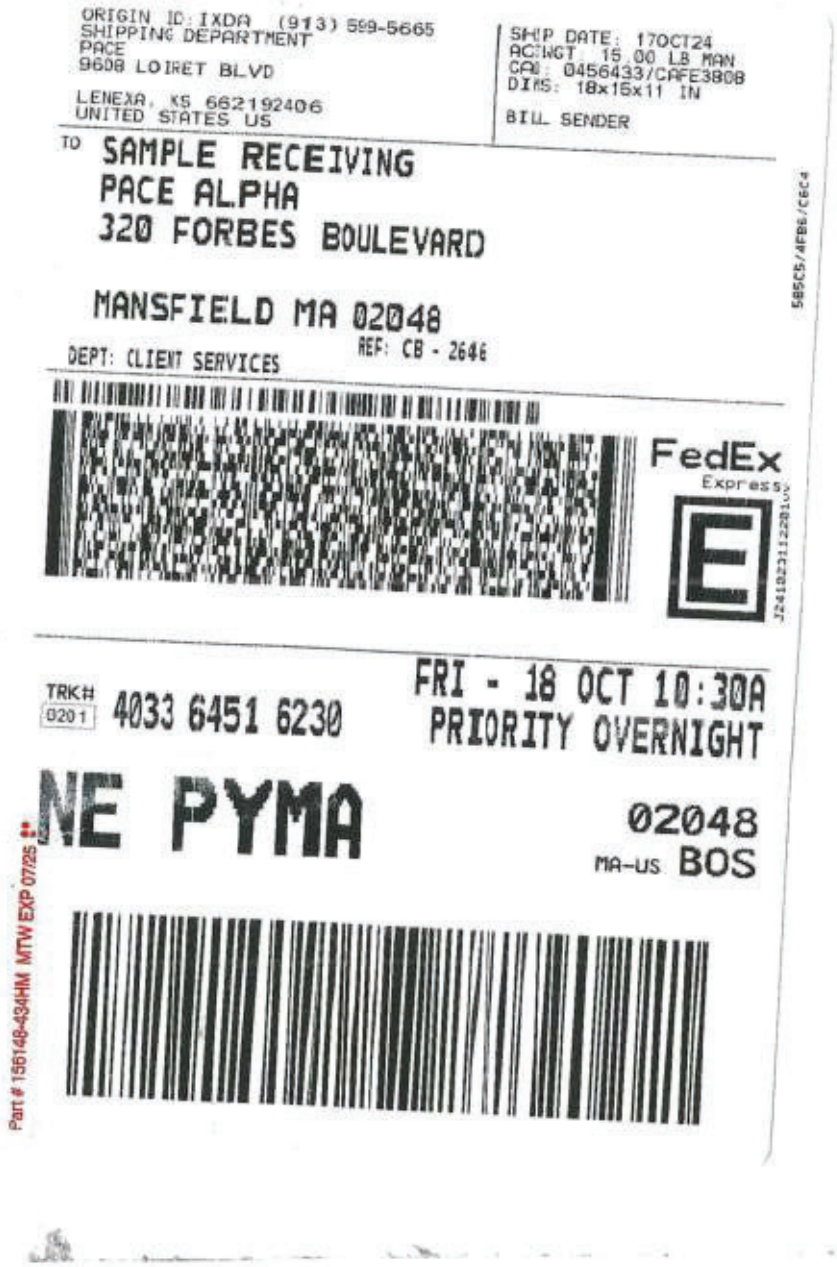
Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.


ORIGIN ID: IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD
LENEXA, KS 662192406
UNITED STATES US
SHIP DATE: 17OCT24
ACTWGT: 15.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN
BILL SENDER
TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD
MANSFIELD MA 02048
DEPT: CLIENT SERVICES
REF: CB - 2646
FedEx
Express
TRK# 0201 4033 6451 6230
FRI - 18 OCT 10:30A
PRIORITY OVERNIGHT
NE PYMA
02048
MA-US BOS
Part # 156148-434HM MTW EXP 07/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

November 12, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

Report revised to correct sample date.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley for
Ryan N. Brumfield
ryan.brumfield@pacelabs.com
(913)599-5665
Project Manager

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462766001	**10-16**	Solid	10/16/24 16:00	10/17/24 11:36

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Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60462766001	**10-16**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Sample: 10-16 **Lab ID: 60462766001** Collected: 10/16/24 16:00 Received: 10/17/24 11:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**62.9**	%	0.50	1		10/21/24 16:11		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**37.1**	%	0.10	1		10/21/24 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

QC Batch: 913347
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60462766001

METHOD BLANK: 3616124 Matrix: Solid
Associated Lab Samples: 60462766001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/21/24 16:10	

SAMPLE DUPLICATE: 3616125

Parameter	Units	60462563004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	63.7	63.0	1	8	H1

SAMPLE DUPLICATE: 3616126

Parameter	Units	60462783004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	19.8	19.4	2	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462766

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60462766001	**10-16**	ASTM D2974	913629		
60462766001	**10-16**	SM 2540G	913347		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Condition Upon R...	WO# : 60462766
	Revision: 2	Effective Date: 01/12/2...

Client Name: HF&D

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ ... ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☑ No ☐

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: IR8 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 2.8 **Corr. Factor** 1 **Corrected** 2.7

Date and initials of person examining contents: 4/18/17

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested: 3 day	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☑No ☐N/A	
Filtered volume received for dissolved tests?	☐Yes ☑No ☐N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

6946276

Page: 1 of 1

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Y/N ↓ Analysis Test ↓	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	10-15	SL	C	10/15/24	8:00	10/15/24	16:00		1	X															X			X			
2																															
3																															
4																															
6																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Collect Fecal Coliform samples after 10:00am	Kaylen Richard	10/17/24	11:36	[illegible] PACE	10/17	11:36	2-7	Y	N	Y
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Client: HF&D

Profile/EZ # 2421-1

Site: Smithville

Notes sample id 10-16

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NAOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate	Matrix	
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpresserved plstic		

Work Order Number: 94427004

ANALYTICAL REPORT

Lab Number:	L2462443
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Ryan Brumfield
Phone:	(913) 307-6958
Project Name:	60462766
Project Number:	60462766
Report Date:	11/08/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 60462766
Project Number: 60462766

Lab Number: L2462443
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2462443-01	10-15	SOLID	SMITHVILLE,MO	10/15/24 16:00	10/26/24

Project Name:	60462766	**Lab Number:**	L2462443
Project Number:	60462766	**Report Date:**	11/08/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 11/08/24

INORGANICS
&
MISCELLANEOUS

Project Name: 60462766
Project Number: 60462766

Lab Number: L2462443
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2462443-01
Client ID: 10-15
Sample Location: SMITHVILLE,MO

Date Collected: 10/15/24 16:00
Date Received: 10/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.22		SU	0.100	--	1	-	11/07/24 03:30	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: 60462766
Project Number: 60462766

Lab Number: L2462443
Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample						
Density	1.01	1.01	SU	0		

Project Name: 60462766
Project Number: 60462766

Lab Number: L2462443
Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462443-01A	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	60462766	**Lab Number:**	L2462443
Project Number:	60462766	**Report Date:**	11/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	60462766	**Lab Number:**	L2462443
Project Number:	60462766	**Report Date:**	11/08/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	60462766	**Lab Number:**	L2462443
Project Number:	60462766	**Report Date:**	11/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 60462766 **Lab Number:** L2462443

Project Number: 60462766 **Report Date:** 11/08/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2462443 08NOV24
PACE – KS

Internal Transfer Chain of Custody

Rush Multiplier____X
Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60462766 Workorder Name: SMITHVILLE, MO

Owner Received Date: 10/17/2024 Results Requested By: 11/4/2024

Report To	Subcontract To
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	10-15	PS	10/15/2024 16:00	60462766001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1			CJ Tebeau	10/26/24 1200
2				
3				

Comments

Cooler Temperature on Receipt _____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60462766
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60462766
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/25/24
REQUESTED COMPLETION DATE:	**11/4/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed No

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

LOCATION: 6091-R3-S2B3

ORIGIN ID:IXDA (913) 559-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 30.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN

BILL SENDER

TO RECIEVING
PACE ANALYTICAL MANSFIELD
8 WALLCUP DR

WESTBOROUGH MA 01581
(508) 898-9220 REF: CB - 2967
DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 0005

SATURDAY 12:00P
PRIORITY OVERNIGHT

XØ BBFA

01581
MA-US BOS

Part # 158140-434NM MTW EXP 07/25

FROM:
CHARLES RAY
PACE ANALY
115 TECHN
STE 100
NORCROSS
US

TO MARY
TERR
514 H

MAC

REF:

MPS#

Mstr

96:

94 MTW EXP 08/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

November 12, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

Report revised to correct sample date.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley for
Ryan N. Brumfield
ryan.brumfield@pacelabs.com
(913)599-5665
Project Manager

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Colorado Division of Oil and Public Safety
Illinois Certification #: 2000302023-6
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462862001	**10-17**	Solid	10/17/24 16:00	10/18/24 12:47

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60462862001	**10-17**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Sample: 10-17 **Lab ID: 60462862001** Collected: 10/17/24 16:00 Received: 10/18/24 12:47 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**49.5**	%	0.50	1		10/21/24 16:11		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**50.5**	%	0.10	1		10/21/24 16:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

QC Batch: 913347
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60462862001

METHOD BLANK: 3616124 Matrix: Solid
Associated Lab Samples: 60462862001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/21/24 16:10	

SAMPLE DUPLICATE: 3616125

Parameter	Units	60462563004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	63.7	63.0	1	8	H1

SAMPLE DUPLICATE: 3616126

Parameter	Units	60462783004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	19.8	19.4	2	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462862

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60462862001	**10-17**	ASTM D2974	913629		
60462862001	**10-17**	SM 2540G	913347		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Condi	
	Revision: 2	Effective Date

WO#: 60462862

Client Name: HF & D

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ E… …oads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Lab… …es ☑ No ☐

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other ☑

Thermometer Used: [illegible] **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 10.9 **Corr. Factor** _____ **Corrected** 10.8

Date and initials of person examining contents: CW 10/18

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested: 3day	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☑No ☐N/A	
Filtered volume received for dissolved tests?	☐Yes ☑No ☐N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☐No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MD	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

6004928682

Page: 1 of 1

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N): Y/N	Analysis Test: 6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	10-15	SL	C	10/15/24	8:00	10/15/24	16:00		1	X															X		X		
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	Kaylen Richards	10/18/24	12:47		10-18	1247	10.8
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: | DATE Signed (MM/DD/YY):

Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Client: HF&D

Profile/EZ # 2421

Site: Smithville

Notes id 10-17

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 94628602

ANALYTICAL REPORT

Lab Number:	L2462440
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Ryan Brumfield
Phone:	(913) 307-6958
Project Name:	60462862
Project Number:	60462862
Report Date:	11/08/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 60462862
Project Number: 60462862

Lab Number: L2462440
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2462440-01	10-15	SOLID	SMITHVILLE,MO	10/15/24 16:00	10/26/24

Project Name:	60462862	**Lab Number:**	L2462440
Project Number:	60462862	**Report Date:**	11/08/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 11/08/24

INORGANICS
&
MISCELLANEOUS

Project Name: 60462862
Project Number: 60462862

Lab Number: L2462440
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2462440-01
Client ID: 10-15
Sample Location: SMITHVILLE,MO

Date Collected: 10/15/24 16:00
Date Received: 10/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.36		SU	0.100	--	1	-	11/07/24 03:30	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: 60462862
Project Number: 60462862

Lab Number: L2462440
Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample						
Density	1.01	1.01	SU	0		

Project Name: 60462862
Project Number: 60462862

Lab Number: L2462440
Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462440-01A	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	60462862	**Lab Number:**	L2462440
Project Number:	60462862	**Report Date:**	11/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	60462862	**Lab Number:**	L2462440
Project Number:	60462862	**Report Date:**	11/08/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	60462862	**Lab Number:**	L2462440
Project Number:	60462862	**Report Date:**	11/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 60462862 **Lab Number:** L2462440

Project Number: 60462862 **Report Date:** 11/08/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2462440 08NOV24
PACE – KS

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60462862 Workorder Name: SMITHVILLE, MO

Owner Received Date: 10/18/2024 Results Requested By: 11/5/2024

Report To	Subcontract To
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	10-15	PS	10/15/2024 16:00	60462862001	Solid	1	X	
2								
3								
4								
5								

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1			C Tebeau 10/26/24	1200
2				
3				

Cooler Temperature on Receipt _____ °C | **Custody Seal Y or N** | **Received on Ice Y or N** | **Samples Intact Y or N**

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60462862
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60462862
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/25/24
REQUESTED COMPLETION DATE:	**11/5/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed No

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-20MET	SUB PASI MET

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

LOCATION: 6091-R3-S2B3

ORIGIN ID:IXDA (913) 559-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 30.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN

BILL SENDER

TO RECIEVING
PACE ANALYTICAL MANSFIELD
8 WALLCUP DR

WESTBOROUGH MA 01581
(508) 898-9220 REF: CB - 2967
DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 0005

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BBFA

01581
MA-US BOS

Part # 156142-434HM MTW EXP 07/25

FROM:
CHARLES RIV
PACE ANALY
110 TECHN
STE 100
NORCROSS
US

MARY
TERR
514 H

MAC

REF

MPS#

Mstr

96:

MTW EXP 08/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

November 12, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

Report revised to correct sample collection date.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley for
Ryan N. Brumfield
ryan.brumfield@pacelabs.com
(913)599-5665
Project Manager

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462913001	**10-18**	Solid	10/18/24 16:00	10/21/24 13:19

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60462913001	**10-18**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Sample: 10-18 **Lab ID: 60462913001** Collected: 10/18/24 16:00 Received: 10/21/24 13:19 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**51.9**	%	0.50	1		10/23/24 14:44		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**48.1**	%	0.10	1		10/23/24 14:44		H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

QC Batch: 913626
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60462913001

METHOD BLANK: 3616948 Matrix: Solid
Associated Lab Samples: 60462913001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/23/24 14:44	

SAMPLE DUPLICATE: 3616949

Parameter	Units	60462913001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	48.1	49.0	2	8	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462913

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60462913001	**10-18**	ASTM D2974	913627		
60462913001	**10-18**	SM 2540G	913626		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-000	WO# : 60462913
	Revision: 2	Effective Date: 01/12/2022

Client Name: HF

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☑ No ☐

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T2 Gun **Type of Ice:** Wet Blue None ☑

Cooler Temperature (°C): **As-read** 13.1 **Corr. Factor** -.1 **Corrected** 13

Date and initials of person examining contents: CW 10/24

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested: 3 day	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☑No ☐N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☑Yes ☐No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

8/6 29/24

Page: 1 of 1

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D Required Client Information	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): 6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	10-15	SL	C	10/15/24	8:00	10/15/24	16:00		1	X															X			X			
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	[signature]	10/24/24	12:18	[signature]	10/24	13:19	13
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: | DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

DC#_Title: ENV-FRM-LENE-0001 v07_Sample Container Count
Effective Date: 7/12/2024

Client: HT

Profile/EZ # 2421

Site: SMHTville

Notes sample id 10-18

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 674629 (3

ANALYTICAL REPORT

Lab Number:	L2462445
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Ryan Brumfield
Phone:	(913) 307-6958
Project Name:	60462913
Project Number:	60462913
Report Date:	11/08/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: 60462913
Project Number: 60462913

Lab Number: L2462445
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2462445-01	10-18	SOLID	SMITHVILLE,MO	10/15/24 16:00	10/26/24

Project Name:	60462913	**Lab Number:**	L2462445
Project Number:	60462913	**Report Date:**	11/08/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 11/08/24

INORGANICS
&
MISCELLANEOUS

Project Name: 60462913
Project Number: 60462913

Lab Number: L2462445
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2462445-01
Client ID: 10-18
Sample Location: SMITHVILLE,MO

Date Collected: 10/15/24 16:00
Date Received: 10/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.36		SU	0.100	--	1	-	11/07/24 03:30	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: 60462913
Project Number: 60462913

Lab Number: L2462445
Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample						
Density	1.01	1.01	SU	0		

Project Name: 60462913
Project Number: 60462913

Lab Number: L2462445
Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462445-01A	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	60462913	**Lab Number:**	L2462445
Project Number:	60462913	**Report Date:**	11/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	60462913	**Lab Number:**	L2462445
Project Number:	60462913	**Report Date:**	11/08/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	60462913	**Lab Number:**	L2462445
Project Number:	60462913	**Report Date:**	11/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 60462913 **Lab Number:** L2462445

Project Number: 60462913 **Report Date:** 11/08/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Internal Transfer Chain of Custody

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60462913 Workorder Name: SMITHVILLE, MO

Owner Received Date: 10/21/2024 Results Requested By: 10/25/2024

Report To	Subcontract To
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	10-18	PS	10/15/2024 16:00	60462913001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1			Celeen 10/26/24	1200
2				
3				

Comments: Location: 6091-R3-S2B3

Cooler Temperature on Receipt _____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60462913
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60462913
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/25/24
REQUESTED COMPLETION DATE:	**10/25/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed N

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

ORIGIN ID:IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 30.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN

BILL SENDER

TO RECIEVING
PACE ANALYTICAL MANSFIELD
8 WALLCUP DR

WESTBOROUGH MA 01581
(508) 898-9220 REF: CB - 2967
DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 0005

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BBFA

01581
MA-US BOS

Part # 156148-434RM MTW EXP 07/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

November 12, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

Report revised to correct sample collection date.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley for
Ryan N. Brumfield
ryan.brumfield@pacelabs.com
(913)599-5665
Project Manager

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462967001	**10-21**	Solid	10/21/24 16:00	10/22/24 11:18

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60462967001	**10-21**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Sample: 10-21 **Lab ID: 60462967001** Collected: 10/21/24 16:00 Received: 10/22/24 11:18 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**70.2**	%	0.50	1		10/23/24 14:44		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**29.8**	%	0.10	1		10/23/24 14:44		H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

QC Batch: 913626
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60462967001

METHOD BLANK: 3616948 Matrix: Solid
Associated Lab Samples: 60462967001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	10/23/24 14:44	

SAMPLE DUPLICATE: 3616949

Parameter	Units	60462913001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	48.1	49.0	2	8	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO-Revised Report
Pace Project No.: 60462967

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60462967001	**10-21**	ASTM D2974	913627		
60462967001	**10-21**	SM 2540G	913626		

WO# : 60462967

60462967

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sar	
	Revision: 2	Effective Date: 01/12/

Client Name: Hodges Farms and Dredging

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☑

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T-298 **Type of Ice:** Wet Blue (None)

Cooler Temperature (°C): **As-read** 18.1 **Corr. Factor** 0.1 **Corrected** 18.0

Date and initials of person examining contents: KH 10/22

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	3 day rush
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☑No ☐N/A	ID on container is 10/21
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Analysis Test ↓																	↓												60462967
1	10-15	SL	C	10/15/24	8:00	10/15/24	16:00		1	X														X			X			
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Pace Project No./ Lab I.D.: 60462967

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	[signature] Richard	10/22/24	11:18	[signature]	10-22	1118	18.5
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

Client: Hodges Farms and Dredging Profile/TEZ #: 2421

Site: Smithville, MO Notes: 3 day rush

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: **WO#: 60462967**

PM: RNB Due Date: 10/25/24

CLIENT: Hodges Farms

ANALYTICAL REPORT

Lab Number:	L2462435
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Ryan Brumfield
Phone:	(913) 307-6958
Project Name:	60462967
Project Number:	60462967
Report Date:	11/08/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: 60462967
Project Number: 60462967

Lab Number: L2462435
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2462435-01	10-15	SOLID	SMITHVILLE,MO	10/15/24 16:00	10/26/24

Project Name:	60462967	**Lab Number:**	L2462435
Project Number:	60462967	**Report Date:**	11/08/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Kelly O'Neill

Title: Technical Director/Representative

Date: 11/08/24

INORGANICS
&
MISCELLANEOUS

Project Name: 60462967
Project Number: 60462967

Lab Number: L2462435
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2462435-01
Client ID: 10-15
Sample Location: SMITHVILLE,MO

Date Collected: 10/15/24 16:00
Date Received: 10/26/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.14		SU	0.100	--	1	-	11/07/24 03:30	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: 60462967
Project Number: 60462967

Lab Number: L2462435
Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample						
Density	1.01	1.01	SU	0		

Project Name: 60462967
Project Number: 60462967

Lab Number: L2462435
Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2462435-01A	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	60462967	**Lab Number:**	L2462435
Project Number:	60462967	**Report Date:**	11/08/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	60462967	**Lab Number:**	L2462435
Project Number:	60462967	**Report Date:**	11/08/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	60462967	**Lab Number:**	L2462435
Project Number:	60462967	**Report Date:**	11/08/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2462435 08NOV24
PACE – KS

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60462967 Workorder Name: SMITHVILLE, MO

Owner Received Date: 10/22/2024 Results Requested By: 10/25/2024

Report To	Subcontract To
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Bulk Density												LAB USE ONLY
1	10-15	PS	10/15/2024 16:00	60462967001	Solid	1						X												
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1			CJ Tebeau 10/22/24	1200
2				
3				

Comments

Cooler Temperature on Receipt ____°C	Custody Seal Y or N	Received on Ice Y or N	Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60462967
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60462967
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	10/25/24
REQUESTED COMPLETION DATE:	**10/25/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed No

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

LOCATION: 6091-R3-S2B3

ORIGIN ID IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 30.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN

BILL SENDER

TO RECIEVING
PACE ANALYTICAL MANSFIELD
8 WALLCUP DR

WESTBOROUGH MA 01581
(508) 898-9223 REF: CB - 2967
DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 0005

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BBFA

01581
MA-US BOS

Part # 158148-434NM MTW EXP 07/25

ORIGIN ID IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 25OCT24
ACTWGT: 30.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 18x15x11 IN

BILL SENDER

TO RECIEVING
PACE ANALYTICAL MANSFIELD
8 WALLCUP DR

WESTBOROUGH MA 01581
(508) 898-9220 REF: CB - 2967
DEPT: CLIENT SERVICES

FedEx
Express

TRK# 0201 4033 6452 0005

SATURDAY 12:00P
PRIORITY OVERNIGHT

X0 BBFA

01581
MA-US BOS

Part # 158148-434HM MTW EXP 07/25

FROM:
CHARLES HAY
PACE ANALY
110 TECHNP
STE 100
NORCROSS
US

MARY
TERR
514 H

MAC
REF:

MPS#

Mstr

96:

94 MTW EXP 06/

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 03, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464301

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464301

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464301

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464301001	**11-7**	Solid	11/07/24 16:00	11/11/24 10:50

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464301

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464301001	**11-7**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464301

Sample: 11-7 **Lab ID: 60464301001** Collected: 11/07/24 16:00 Received: 11/11/24 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**89.7**	%	0.50	1		11/11/24 16:31		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**10.3**	%	0.10	1		11/11/24 16:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464301

QC Batch: 916003
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464301001

METHOD BLANK: 3626707 Matrix: Solid
Associated Lab Samples: 60464301001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/11/24 16:31	

SAMPLE DUPLICATE: 3626708

Parameter	Units	60464118001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	51.9	49.1	6	8	

SAMPLE DUPLICATE: 3626709

Parameter	Units	60464301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	10.3	10.4	1	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464301

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464301

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464301001	**11-7**	ASTM D2974	916005		
60464301001	**11-7**	SM 2540G	916003		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample	WO# : 60464301
	Revision: 2	Effective Date: 01/12/2022

Client Name: Hodges Farms and Dredging - 11-7

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T298 **Type of Ice:** Wet (Blue) None

Cooler Temperature (°C): **As-read** 13.7 **Corr. Factor** -0.1 **Corrected** 13.6

Date and initials of person examining contents: CJ 11/11

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	time/date not on container
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☑No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464301

Page: 1 of 1

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N ↓	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SL	C	11/7/24	8:00	11/7/24	16:00		1	X														X			X		
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	Haley Reeh	11/6/24	10:49	Carmen Jure	11/11	10.50	13.6
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp In °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Client: Hodges Farms and Dredging Profile/EZ # 2421

Site: Smithville, MO Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				I											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number:

WO#: 60464301
PM: JLH Due Date: 11/14/24
CLIENT: Hodges Farms

ANALYTICAL REPORT

Lab Number:	L2467110
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464301
Report Date:	12/03/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: SMITHVILLE, MO
Project Number: 60464301

Lab Number: L2467110
Report Date: 12/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467110-01	11-7	SOLID	Not Specified	11/07/24 16:00	11/15/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467110
Project Number:	60464301	**Report Date:**	12/03/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/03/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 60464301

Lab Number: L2467110
Report Date: 12/03/24

SAMPLE RESULTS

Lab ID: L2467110-01
Client ID: 11-7
Sample Location: Not Specified

Date Collected: 11/07/24 16:00
Date Received: 11/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.05		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 60464301

Lab Number: L2467110
Report Date: 12/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 60464301

Lab Number: L2467110
Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467110-01A	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467110
Project Number:	60464301	**Report Date:**	12/03/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467110
Project Number:	60464301	**Report Date:**	12/03/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467110
Project Number:	60464301	**Report Date:**	12/03/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 60464301
Lab Number: L2467110
Report Date: 12/03/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/15/24 L2467110

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60464301 Workorder Name: SMITHVILLE, MO

Owner Received Date: 11/11/2024 Results Requested By: 11/25/2024

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	11-7 -01	PS	11/7/2024 16:00	60464301001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	K	11/14 1500	FEDEX	
2	FEDEX	11/15/24 1030		11/15/24 1030
3				

Comments: KS sample location: 6091-24-S2B1

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

INTER_LABORATORY WORK ORDER # 60464301
(To be completed by sending lab)

Sending Project No:	60464301
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/14/24
REQUESTED COMPLETION DATE:	**11/25/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

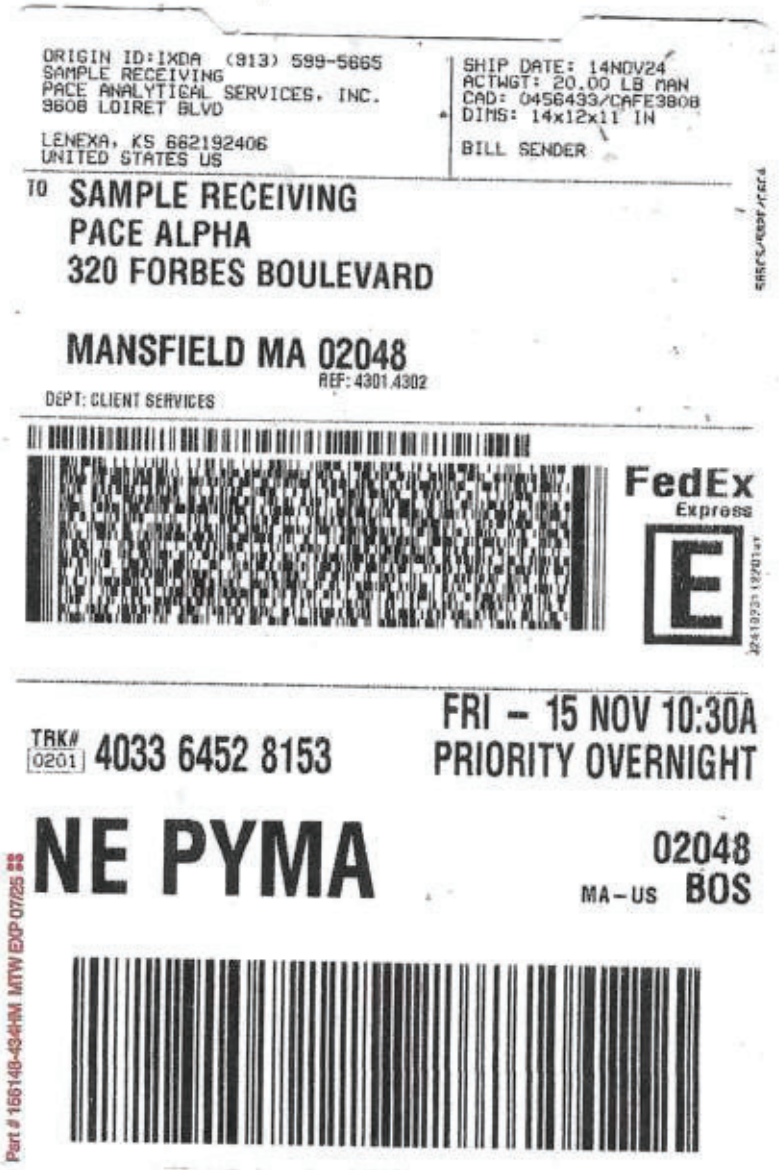
Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.



ORIGIN ID:IXDA (913) 599-5665
SAMPLE RECEIVING
PACE ANALYTICAL SERVICES, INC.
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 14NOV24
ACTWGT: 20.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 14x12x11 IN

BILL SENDER

TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD

MANSFIELD MA 02048
REF: 4301.4302

DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 8153

FRI - 15 NOV 10:30A
PRIORITY OVERNIGHT

NE PYMA

02048
MA-US BOS

Part # 166148-434HM MTW EXP 07/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 03, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464302

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464302

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464302

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464302001	**11-8**	Solid	11/08/24 16:00	11/11/24 10:50

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464302

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464302001	**11-8**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464302

Sample: 11-8 **Lab ID: 60464302001** Collected: 11/08/24 16:00 Received: 11/11/24 10:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**72.3**	%	0.50	1		11/11/24 16:32		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**27.7**	%	0.10	1		11/11/24 16:32		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464302

QC Batch: 916003
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464302001

METHOD BLANK: 3626707 Matrix: Solid
Associated Lab Samples: 60464302001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/11/24 16:31	

SAMPLE DUPLICATE: 3626708

Parameter	Units	60464118001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	51.9	49.1	6	8	

SAMPLE DUPLICATE: 3626709

Parameter	Units	60464301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	10.3	10.4	1	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464302

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464302

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464302001	**11-8**	ASTM D2974	916005		
60464302001	**11-8**	SM 2540G	916003		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Samp	WO# : 60464302
	Revision: 2	Effective Date: 01/12/2(

Client Name: Hodges Farms and Dredging - 11-8

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T298 **Type of Ice:** Wet (Blue) None

Cooler Temperature (°C): **As-read** 13.7 **Corr. Factor** -0.1 **Corrected** 13.6

Date and initials of person examining contents: CJ 11/11

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	time/date not on container
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☑No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464302

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	COLLECTED 11-8	SL	C	11/8/24	8:00	11/8/24	16:00		1	X																		
2																								X		X		
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	Stephen Richard	11/11/24	10:50	Carmen Jure	11/11	10:50	13.6
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Client: Hodges Farms and Dredging Profile/EZ # 2421

Site: Smithville, MO Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1																																
2																					1											
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Numb

WO#: 60464302

PM: JLH Due Date: 11/14/24

CLIENT: Hodges Farms

ANALYTICAL REPORT

Lab Number:	L2467109
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464302
Report Date:	12/03/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: SMITHVILLE, MO
Project Number: 60464302

Lab Number: L2467109
Report Date: 12/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467109-01	11-8	SOLID	Not Specified	11/08/24 16:00	11/15/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467109
Project Number:	60464302	**Report Date:**	12/03/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/03/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 60464302

Lab Number: L2467109
Report Date: 12/03/24

SAMPLE RESULTS

Lab ID: L2467109-01
Client ID: 11-8
Sample Location: Not Specified

Sample Depth:
Matrix: Solid

Date Collected: 11/08/24 16:00
Date Received: 11/15/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.20		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 60464302

Lab Number: L2467109
Report Date: 12/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: 11-8						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 60464302

Lab Number: L2467109
Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467109-01A	Plastic 250ml unpreserved	A	NA		3.2	Y	Absent		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467109
Project Number:	60464302	**Report Date:**	12/03/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467109
Project Number:	60464302	**Report Date:**	12/03/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467109
Project Number:	60464302	**Report Date:**	12/03/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 60464302
Lab Number: L2467109
Report Date: 12/03/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Internal Transfer Chain of Custody

11/15/24 L2467109

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 11/11/2024 Results Requested By: 11/25/2024

Workorder: 60464302 Workorder Name: SMITHVILLE, MO

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	11-8 -01	PS	11/8/2024 16:00	60464302001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	11/14 1500	FEDEX	
2	FEDEX	11/01/24 1020	[signature]	11/05/24 1020
3				

Comments: KS sample location: 6091-24-S2B1

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60464302
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60464302
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/14/24
REQUESTED COMPLETION DATE:	**11/25/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 05, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464507

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464507

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464507

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464507001	**11-12-24**	Solid	11/12/24 16:00	11/13/24 12:09

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464507

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464507001	**11-12-24**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464507

Sample: 11-12-24 **Lab ID: 60464507001** Collected: 11/12/24 16:00 Received: 11/13/24 12:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**84.9**	%	0.50	1		11/14/24 11:45		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**15.1**	%	0.10	1		11/14/24 11:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464507

QC Batch: 916387
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464507001

METHOD BLANK: 3628176 Matrix: Solid
Associated Lab Samples: 60464507001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/14/24 11:43	

SAMPLE DUPLICATE: 3628177

Parameter	Units	60464454001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	35.4	35.2	1	8	

SAMPLE DUPLICATE: 3628178

Parameter	Units	60464471001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	19.4	19.4	0	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464507

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464507

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464507001	**11-12-24**	ASTM D2974	916390		
60464507001	**11-12-24**	SM 2540G	916387		

WO# : 60464507

60464507

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sa	
	Revision: 2	Effective Date: 01/12/2022

Client Name: Hodges Farms & Dredging - 11/12/24

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T298 **Type of Ice:** Wet Blue (None)

Cooler Temperature (°C): **As-read** 19.4 **Corr. Factor** -0.1 **Corrected** 19.4

Date and initials of person examining contents: CJ 11/13

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	Time/date not on container
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464507

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Hodges Farms and Dredging	Report To:	Aaron Gruenewald/Jeff Hodges	Attention:	
Address:	501 N. West Street	Copy To:		Company Name:	
	Lebo, KS 66856			Address:	
Email To:	agruenewald@hodgesfd.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	920-373-8715 Fax:	Project Name:	Smithville, MO	Pace Project Manager:	
Requested Due Date/TAT:	RUSH	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D Required Client Information (SAMPLE ID)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	11-12-24	SL	C	11/12/24	8:00	11/12/24	16:00		1	X														X			X				
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am	Stephen Richards	11/13/24	12:09	K	11/13	1209	19.4
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

Client: Hodges Farms & Dredging Profile/EZ # 2421

Site: Smithville MO Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass				Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic	I	Wipe/Swab
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	AF	Air Filter
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NAOH plastic	R	Terracore Kit
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	U	Summa Can
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate	Matrix	
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	OIL
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	WP	Wipe
				BP4U	125mL unpreserved plastic	DW	Drinking Water
				BP4N	125mL HNO3 plastic		
				BP4S	125mL H2SO4 plastic		
				WPDU	16oz unpresserved plstic		

Work Order Number: WO#: 60464507
PM: JLH Due Date: 11/18/24
CLIENT: Hodges Farms

11/19/24

L2467773

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60464507 Workorder Name: SMITHVILLE, MO

Owner Received Date: 11/13/2024 Results Requested By: 11/27/2024

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Bulk Density	Requested Analysis											LAB USE ONLY
1	11-12-24	PS	11/12/2024 16:00	60464507001	Solid	1						X												
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Carmen Juve	11/18 1800	FEDEX	
2	FEDEX	11/19/24 10:27		11/19/24 10:27
3				

Comments: KS sample location: 6091-R2-S2B4

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

ANALYTICAL REPORT

Lab Number:	L2467773
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464507
Report Date:	12/05/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: SMITHVILLE, MO
Project Number: 60464507

Lab Number: L2467773
Report Date: 12/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467773-01	11-12-24	SOLID	Not Specified	11/12/24 16:00	11/19/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467773
Project Number:	60464507	**Report Date:**	12/05/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 12/05/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 60464507

Lab Number: L2467773
Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467773-01
Client ID: 11-12-24
Sample Location: Not Specified

Sample Depth:
Matrix: Solid

Date Collected: 11/12/24 16:00
Date Received: 11/19/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.10		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 60464507

Lab Number: L2467773
Report Date: 12/05/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 60464507

Lab Number: L2467773
Report Date: 12/05/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467773-01A	Plastic 250ml unpreserved	A	NA		5.4	Y	Present/Intact		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467773
Project Number:	60464507	**Report Date:**	12/05/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467773
Project Number:	60464507	**Report Date:**	12/05/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467773
Project Number:	60464507	**Report Date:**	12/05/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 60464507
Lab Number: L2467773
Report Date: 12/05/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/19/24

L2467773

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No

Workorder: 60464507 Workorder Name: SMITHVILLE, MO

Owner Received Date: 11/13/2024 Results Requested By: 11/27/2024

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Bulk Density	Requested Analysis											LAB USE ONLY
1	11-12-24	PS	11/12/2024 16:00	60464507001	Solid	1						X												
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Carmen Juve	11/18 1800	FEDEX	
2	FEDEX	11/19/24 10:27		11/19/24 10:27
3				

Comments: KS sample location: 6091-R2-S2B4

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 05, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464510

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464510

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464510

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464510001	**11-11-24**	Solid	11/11/24 16:00	11/13/24 12:09

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464510

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464510001	**11-11-24**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464510

Sample: 11-11-24 **Lab ID: 60464510001** Collected: 11/11/24 16:00 Received: 11/13/24 12:09 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**86.2**	%	0.50	1		11/14/24 11:45		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**13.8**	%	0.10	1		11/14/24 11:45		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464510

QC Batch: 916387
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464510001

METHOD BLANK: 3628176 Matrix: Solid
Associated Lab Samples: 60464510001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/14/24 11:43	

SAMPLE DUPLICATE: 3628177

Parameter	Units	60464454001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	35.4	35.2	1	8	

SAMPLE DUPLICATE: 3628178

Parameter	Units	60464471001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	19.4	19.4	0	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464510

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464510

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464510001	**11-11-24**	ASTM D2974	916390		
60464510001	**11-11-24**	SM 2540G	916387		

WO# : 60464510

60464510

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Samp		
	Revision: 2	Effective Date: 01/12/2022	Issued By: Lenexa

Client Name: Hodges Farms & Dredging - 11/11/24

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T298 **Type of Ice:** Wet Blue (None)

Cooler Temperature (°C): As-read 19.4 CJ **Corr. Factor** -0.1 **Corrected** 19.4 CJ 18.6 18.7

Date and initials of person examining contents: CJ 11/13

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	time/date not on container
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464510

Section A — Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B — Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D — Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: 6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	11-11-24	SL	C	11/11/24	8:00	11/11/24	16:00		1	X															X			X				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Collect Fecal Coliform samples after 10:00am							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing		11/13/24	12:10	Carmen Tyne	11/13	1209	18.6			

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Client: Hodges Farms & Dredging Profile/EZ # 2421

Site: Smithville MO Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: **WO#: 60464510**

PM: JLH Due Date: 11/18/24

CLIENT: Hodges Farms

11/19/24

L2467776

Internal Transfer Chain of Custody

Rush Multiplier____X

Samples Pre-Logged into eCOC

State Of Origin: MO

Cert. Needed: ☐ Yes ☒ No

Owner Received Date: 11/13/2024 Results Requested By: 11/13/2024

Workorder: 60464510 Workorder Name: SMITHVILLE, MO

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	Requested Analysis	LAB USE ONLY
1	11-11-24	PS	11/11/2024 16:00	60464510001	Solid	1	X		
2									
3									
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	Carmen Jure	11/18 1800	FEDEX	
2	FEDEX	11/19/24 10:27		11/19/24 10:27
3				

Comments: KS sample location: 6091-R2-S2B4

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.


ORIGIN ID:IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD
LENEXA, KS 662192406
UNITED STATES US
SHIP DATE: 18NOV24
ACTWGT: 15.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 12x11x10 IN
BILL SENDER
TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD
MANSFIELD MA 02048
(508) 822-9300 REF: CB - 4510
DEPT: CLIENT SERVICES
FedEx
Express
TRK# 0201 4033 6452 9480
TUE - 19 NOV 10:30A
PRIORITY OVERNIGHT
NE PYMA
02048
MA-US BOS
Part # 156148-434HM MTW EXP 07/25

ANALYTICAL REPORT

Lab Number:	L2467776
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464510
Report Date:	12/05/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: SMITHVILLE, MO
Project Number: 60464510

Lab Number: L2467776
Report Date: 12/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467776-01	11-11-24	SOLID	Not Specified	11/11/24 16:00	11/19/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467776
Project Number:	60464510	**Report Date:**	12/05/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 12/05/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 60464510

Lab Number: L2467776
Report Date: 12/05/24

SAMPLE RESULTS

Lab ID: L2467776-01
Client ID: 11-11-24
Sample Location: Not Specified

Sample Depth:
Matrix: Solid

Date Collected: 11/11/24 16:00
Date Received: 11/19/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.00		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 60464510

Lab Number: L2467776
Report Date: 12/05/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 60464510

Lab Number: L2467776
Report Date: 12/05/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2467776-01A	Plastic 250ml unpreserved	A	NA		5.4	Y	Present/Intact		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467776
Project Number:	60464510	**Report Date:**	12/05/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467776
Project Number:	60464510	**Report Date:**	12/05/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2467776
Project Number:	60464510	**Report Date:**	12/05/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 60464510
Lab Number: L2467776
Report Date: 12/05/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/19/24

L2467776

Internal Transfer Chain of Custody

Rush Multiplier____X

Samples Pre-Logged into eCOC

State Of Origin: MO

Cert. Needed: ☐ Yes ☒ No

Workorder: 60464510 Workorder Name: SMITHVILLE, MO

Owner Received Date: 11/13/2024 Results Requested By: 11/13/2024

Report To	Subcontract To
Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	11-11-24	PS	11/11/2024 16:00	60464510001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Carmen Jure	11/18 1800	FEDEX	
2	FEDEX	11/19/24 10:27		11/19/24 10:27
3				

Comments: KS sample location: 6091-R2-S2B4

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

ORIGIN ID:IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD

LENEXA, KS 662192406
UNITED STATES US

SHIP DATE: 18NOV24
ACTWGT: 15.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 12x11x10 IN

BILL SENDER

TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD

MANSFIELD MA 02048
(508) 822-9300 REF: CB - 4510
DEPT: CLIENT SERVICES

FedEx Express

TRK# 0201 4033 6452 9480

TUE - 19 NOV 10:30A
PRIORITY OVERNIGHT

NE PYMA

02048
MA-US BOS

Part # 156148-434HM MTW EXP 07/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 03, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464745

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464745

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464745

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464745001	**11-14-24**	Solid	11/14/24 16:00	11/15/24 13:02

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464745

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464745001	**11-14-24**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464745

Sample: 11-14-24 **Lab ID: 60464745001** Collected: 11/14/24 16:00 Received: 11/15/24 13:02 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**76.9**	%	0.50	1		11/18/24 11:57		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**23.1**	%	0.10	1		11/18/24 11:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464745

QC Batch: 916815
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464745001

METHOD BLANK: 3630202 Matrix: Solid
Associated Lab Samples: 60464745001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/18/24 11:56	

SAMPLE DUPLICATE: 3630203

Parameter	Units	60464561001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	3.4	3.4	1	8	

SAMPLE DUPLICATE: 3630204

Parameter	Units	60464696001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	3.7	3.7	0	8	

SAMPLE DUPLICATE: 3630205

Parameter	Units	60464745001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	23.1	23.0	0	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464745

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464745

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464745001	**11-14-24**	ASTM D2974	916818		
60464745001	**11-14-24**	SM 2540G	916815		

WO# : 60464745

60464745

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample C		
	Revision: 2	Effective Date: 01/12/2022	Issued By: Lenexa

Client Name: Hodges Farms & Dredging

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☑

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: 298 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 5.9 **Corr. Factor** -0.1 **Corrected** 5.8

Date and initials of person examining contents: AF 11/15

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☑Yes ☐No ☐N/A	3 DAY TAT
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State:	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Page 1 of 1

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464745

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Hodges Farms and Dredging	Report To:	Aaron Gruenewald/Jeff Hodges	Attention:	
Address:	501 N. West Street	Copy To:		Company Name:	
	Lebo, KS 66856			Address:	
Email To:	agruenewald@hodgesfd.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	920-373-8715 Fax:	Project Name:	Smithville, MO	Pace Project Manager:	
Requested Due Date/TAT:	RUSH	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	11-14-24	SL	C	11/14/24	8:00	11/14/24	16:00		1	X															X			X			
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am		11/15/24	1:02		11-15	1302	5.8
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE		Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

Client: Hodges

Profile/EZ # 2421-1

Site: Smithville, MO

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 60464745

Internal Transfer Chain of Custody

11/22/24 L2468993

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 11/15/2024 Results Requested By: 12/3/2024

Workorder: 60464745 Workorder Name: SMITHVILLE, MO

Report To

Jennifer Haley
Pace Analytical Kansas
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665

Subcontract To

Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	11-14-24 -01	PS	11/14/2024 16:00	60464745001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	FEDEX	11/21/1500	FEDEX	11/22/24 10:30
2		11/22/24 10:30		
3				

Comments

KS sample location: 6091-24-S2B2

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60464745
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60464745
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/21/24
REQUESTED COMPLETION DATE:	**12/3/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.


ORIGIN ID:IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD
LENEXA, KS 662192406
UNITED STATES US
SHIP DATE: 21NOV24
ACTWGT: 15.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 12x11x10 IN
BILL SENDER
TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD
MANSFIELD MA 02048
(508) 822-9300
REF: CB - 4821
DEPT: CLIENT SERVICES
FedEx
Express
FRI - 22 NOV 10:30A
PRIORITY OVERNIGHT
TRK# 0201 4033 6453 1572
NE PYMA
02048
MA-US BOS
Part # 156148-494HM MTW EXP 07/25

ANALYTICAL REPORT

Lab Number:	L2468993
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	6046475
Report Date:	12/03/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SMITHVILLE, MO
Project Number: 6046475

Lab Number: L2468993
Report Date: 12/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2468993-01	11-14-24	SOLID	Not Specified	11/14/24 16:00	11/22/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468993
Project Number:	6046475	**Report Date:**	12/03/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/03/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 6046475

Lab Number: L2468993
Report Date: 12/03/24

SAMPLE RESULTS

Lab ID: L2468993-01
Client ID: 11-14-24
Sample Location: Not Specified

Date Collected: 11/14/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.10		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 6046475

Lab Number: L2468993
Report Date: 12/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 6046475

Lab Number: L2468993
Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2468993-01A	Plastic 250ml unpreserved	A	NA		3.9	Y	Present/Intact		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468993
Project Number:	6046475	**Report Date:**	12/03/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468993
Project Number:	6046475	**Report Date:**	12/03/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468993
Project Number:	6046475	**Report Date:**	12/03/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 6046475
Lab Number: L2468993
Report Date: 12/03/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/22/24 L2468993

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 11/15/2024 Results Requested By: 12/3/2024

Workorder: 60464745 Workorder Name: SMITHVILLE, MO

Report To

Jennifer Haley
Pace Analytical Kansas
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665

Subcontract To

Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Bulk Density	LAB USE ONLY
1	11-14-24 -01	PS	11/14/2024 16:00	60464745001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	FEDEX	11/21/1500	FEDEX	11/22/24 10:30
2		11/22/24 10:30		
3				

Comments

KS sample location: 6091-24-S2B2

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

INTER_LABORATORY WORK ORDER # 60464745
(To be completed by sending lab)

Sending Project No:	60464745
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/21/24
REQUESTED COMPLETION DATE:	**12/3/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.


ORIGIN ID:IXDA (913) 599-5665
SHIPPING DEPARTMENT
PACE
9608 LOIRET BLVD
LENEXA, KS 662192406
UNITED STATES US
SHIP DATE: 21NOV24
ACTWGT: 15.00 LB MAN
CAD: 0456433/CAFE3808
DIMS: 12x11x10 IN
BILL SENDER
TO SAMPLE RECEIVING
PACE ALPHA
320 FORBES BOULEVARD
MANSFIELD MA 02048
(508) 822-9300
REF: CB - 4821
DEPT: CLIENT SERVICES
FedEx
Express
FRI - 22 NOV 10:30A
PRIORITY OVERNIGHT
TRK# 0201 4033 6453 1572
NE PYMA
02048
MA-US BOS
Part # 156148-494HM MTW EXP 07/25

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 04, 2024

Jeff Hodges
Hodges Farms & Dredging LLC
501 N. West Street
Lebo, KS 66856

RE: Project: SMITHVILLE, MO
Pace Project No.: 60464821

Dear Jeff Hodges:

Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Haley

Jennifer Haley
jennifer.haley@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Aaron Gruenwald, Hodges Farms and Dredging, LLC

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: SMITHVILLE, MO
Pace Project No.: 60464821

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Arkansas Certification #: 88-00679
Illinois Certification #: 2000302023-6
Colorado Division of Oil and Public Safety
Iowa Certification #: 118
Kansas Field Laboratory Certification #: E-92587
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Missouri Inorganic Drinking Water Certification
Nevada Certification #: KS000212024-1
Oklahoma Certification #: 2023-073
Texas Certification #: T104704407-23-17
Utah Certification #: KS000212022-13

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: SMITHVILLE, MO
Pace Project No.: 60464821

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464821001	**11-15-24**	Solid	11/15/24 15:00	11/18/24 10:20

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Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO
Pace Project No.: 60464821

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464821001	**11-15-24**	ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: SMITHVILLE, MO
Pace Project No.: 60464821

Sample: 11-15-24 **Lab ID: 60464821001** Collected: 11/15/24 15:00 Received: 11/18/24 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**74.4**	%	0.50	1		11/18/24 16:44		
2540G Total Percent Solids	Analytical Method: SM 2540G Pace Analytical Services - Kansas City							
Total Solids	**25.6**	%	0.10	1		11/18/24 16:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: SMITHVILLE, MO
Pace Project No.: 60464821

QC Batch: 916894
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: 2540G Total Solids
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60464821001

METHOD BLANK: 3630381 Matrix: Solid
Associated Lab Samples: 60464821001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND	0.10	11/18/24 16:44	

SAMPLE DUPLICATE: 3630382

Parameter	Units	60464816001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	27.2	27.3	1	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: SMITHVILLE, MO
Pace Project No.: 60464821

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMITHVILLE, MO
Pace Project No.: 60464821

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60464821001	**11-15-24**	ASTM D2974	916897		
60464821001	**11-15-24**	SM 2540G	916894		

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-LENE-0009_Sample Co	
	Revision: 2	Effective Date: 01/12/2022

WO# : 60464821

60464821

Client Name: Hodges Farms

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☑ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☑ Other ☐

Thermometer Used: T298 **Type of Ice:** Wet Blue (None)

Cooler Temperature (°C): **As-read** 9.4 **Corr. Factor** -0.1 **Corrected** 9.3

Date and initials of person examining contents: CJ 11/18

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	*time/date not on container
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) **LOT#:**	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Qualtrax Document ID: 30468

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

60464821

Page: 1 of 1

Section A Required Client Information:

Company:	Hodges Farms and Dredging
Address:	501 N. West Street
	Lebo, KS 66856
Email To:	agruenewald@hodgesfd.com
Phone: 920-373-8715	Fax:
Requested Due Date/TAT:	RUSH

Section B Required Project Information:

Report To:	Aaron Gruenewald/Jeff Hodges
Copy To:	
Purchase Order No.:	
Project Name:	Smithville, MO
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	6010 Metals / Mercury	Aluminum	Sodium	Chloride	Total Phosphorus	TKN	Total Solids	Effective Neutralizing Mate	pH	Bulk Density			Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	11-15-24	SL	C	11/15/24	8:00	11/15/24	16:00		1	X															X				
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Collect Fecal Coliform samples after 10:00am		11/18/24	10:20		11/18	1020	9.3
*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Client: Hodges Farms & Dredging Profile/EZ # 2421 line 2

Site: Smithville MO Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other		
1	SL																				1											
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1B	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2B	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3B	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: WO#: 60464821
PM: JLH Due Date: 12/04/24
CLIENT: Hodges Farms

Internal Transfer Chain of Custody

11/22/24 L2468995

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 11/18/2024 Results Requested By: 12/4/2024

Workorder: 60464821 Workorder Name: SMITHVILLE, MO

Report To

Jennifer Haley
Pace Analytical Kansas
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665

Subcontract To

Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	BULK DENSITY	LAB USE ONLY
1	11-15-24 -01	PS	11/15/2024 15:00	60464821001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/21 1500	FEDEX	
2	FEDEX	11/22/24 10:30		11/22/24 10:30
3				

Comments

KS sample location: 6091-18-S2B2

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60464821

(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60464821
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/21/24
REQUESTED COMPLETION DATE:	**12/4/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
BULK DENSITY	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

ANALYTICAL REPORT

Lab Number:	L2468995
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN:	Jennifer Haley
Phone:	(913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464821
Report Date:	12/03/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SMITHVILLE, MO
Project Number: 60464821

Lab Number: L2468995
Report Date: 12/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2468995-01	11-15-24	SOLID	Not Specified	11/15/24 15:00	11/22/24

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468995
Project Number:	60464821	**Report Date:**	12/03/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

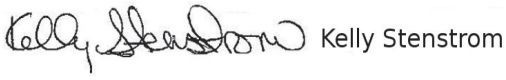
When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 12/03/24

INORGANICS
&
MISCELLANEOUS

Project Name: SMITHVILLE, MO
Project Number: 60464821

Lab Number: L2468995
Report Date: 12/03/24

SAMPLE RESULTS

Lab ID: L2468995-01
Client ID: 11-15-24
Sample Location: Not Specified

Sample Depth:
Matrix: Solid

Date Collected: 11/15/24 15:00
Date Received: 11/22/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Density	1.14		SU	0.100	--	1	-	12/02/24 03:35	12,D1475	DEW

Lab Duplicate Analysis

Batch Quality Control

Project Name: SMITHVILLE, MO
Project Number: 60464821

Lab Number: L2468995
Report Date: 12/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample						
Density	1.20	1.24	SU	3		

Project Name: SMITHVILLE, MO
Project Number: 60464821

Lab Number: L2468995
Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2468995-01A	Plastic 250ml unpreserved	A	NA		3.9	Y	Present/Intact		DENSITY()

*Values in parentheses indicate holding time in days

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468995
Project Number:	60464821	**Report Date:**	12/03/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468995
Project Number:	60464821	**Report Date:**	12/03/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	SMITHVILLE, MO	**Lab Number:**	L2468995
Project Number:	60464821	**Report Date:**	12/03/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: SMITHVILLE, MO
Project Number: 60464821
Lab Number: L2468995
Report Date: 12/03/24

REFERENCES

12 Annual Book of ASTM Standards. (American Society for Testing and Materials) ASTM International.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/22/24 L2468995

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: MO
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 11/18/2024 Results Requested By: 12/4/2024

Workorder: 60464821 Workorder Name: SMITHVILLE, MO

Report To

Jennifer Haley
Pace Analytical Kansas
9608 Loiret Blvd.
Lenexa, KS 66219
Phone (913)599-5665

Subcontract To

Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Requested Analysis

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	BULK DENSITY	LAB USE ONLY
1	11-15-24 -01	PS	11/15/2024 15:00	60464821001	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1		11/21 1500	FEDEX	
2	FEDEX	11/22/24 10:30		11/22/24 10:30
3				

Comments

KS sample location: 6091-18-S2B2

Cooler Temperature on Receipt ____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

INTER_LABORATORY WORK ORDER # 60464821
(To be completed by sending lab)

Ship To:
Pace Analytical Mansfield
320 Forbes Blvd
Mansfield, MA 02048
Phone (508)822-9300

Sending Project No:	60464821
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	11/21/24
REQUESTED COMPLETION DATE:	**12/4/2024**

Sending Region	IR60-Kansas	Sending Project Mgr.	Jennifer Haley
Receiving Region	S880	External Client	Hodges Farms & Dredging LLC
State of Sample Origin	MO	QC Deliverable	STD REPORT

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed NO

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
BULK DENSITY	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

Special Requirements: Report C, QC Limits (C),FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: ☐ Yes ☒ No

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Board of Aldermen
Request for Action

MEETING DATE: 1/7/2025 **DEPARTMENT:** Administration

AGENDA ITEM: Adjournment to Executive Session Pursuant to Section 610.021(1&2) RSMo.

REQUESTED BOARD ACTION:
A motion to close the regular session for the purpose of discussing legal and real estate matters pursuant to Section 610.021(1&2) RSMo.

SUMMARY:
To allow the Board of Aldermen to adjourn to Executive Session to discuss legal and real estate matters.

PREVIOUS ACTION:
N/A

POLICY ISSUE:
The Board of Aldermen will vote to close the Board of Aldermen Regular Session Pursuant Section 610.021(1&2) RSMo.

FINANCIAL CONSIDERATIONS:
Click or tap here to enter text.

ATTACHMENTS:

- ☐ Ordinance
- ☐ Resolution
- ☐ Staff Report
- ☐ Other:
- ☐ Contract
- ☐ Plans
- ☐ Minutes

FY2025 Planning Calendar

******Items on the Planning Calendar are subject to change******

January 7, 2025 Regular Session 7:00 p.m.

Ordinance – Amending the Conceptual Plan - Lakeside Farms – 2nd Reading
Ordinance – Rezoning 16000 South US 169 Highway - 2nd Reading
Ordinance – Rezoning 800 NW 92 Hwy – 2nd Reading
Ordinance – Budget Amendment No. 3 – Emergency Ordinance – 1st & 2nd Reading
Ordinance – Ballot Language for Public Safety Sales Tax Question – 1st Reading
Resolution – Acknowledgement of Emergency Purchase – Harbor Lake
Resolution – MOU with Senior Center Board
Resolution – Award Credit Card Processing to Tyler Technologies
Resolution – Preliminary Plat - Lakeside Farms
Resolution – Change Order No. 1, Water Treatment Plant Residuals Cleanout
Executive Session Pursuant to Section 610.021(1&2)RSMo.

January 21, 2025 Work Session

Discussion of City Tow Services

January 21, 2025 Regular Session 7:00 p.m.

Ordinance – Ballot Language Public Safety Sales Tax Question – 2nd Reading
Ordinance – Amending Section 155.020 Economic Development 1st Reading
Resolution – Crime Stoppers TIPS Hotline Program
Resolution – Special Event Permit – Lakefest
Resolution – Temporary Liquor License – Lakefest

February 4, 2025 Work Session

February 4, 2025 Regular Session 7:00 p.m.

Ordinance – Amending Section 155.020 Economic Development - 2nd Reading
Ordinance – Destruction of Records – 1st Reading
Ordinance – Budget Amendment No. 4 – 1st Reading

February 18, 2025 Work Session

Discussion of 3-Month FY2024 Budget Review

February 18, 2025 Regular Session 7:00 p.m.

Ordinance – Destruction of Records – 2nd Reading
Ordinance – Budget Amendment No. 4 – 2nd Reading
Ordinance – Rezoning Northeast Corner of Second Creek and Lowman Road – 1st Reading
Resolution – Award Bid for Mowing Contract for Water Towers
Resolution – Site Plan – Walston

March 4, 2025 Work Session

March 4, 2025 Regular Session 7:00 p.m.

Ordinance – Rezoning Northeast Corner of Second Creek and Lowman Road – 2nd Reading
Ordinance – Amending Section 600.030 Liquor Licenses - 1st Reading
Resolution – Award Bid for City Janitorial Services
Resolution – Award Bid for Debt Collections Services
Resolution – Award Bid – 144th Street Lift Station and West Bypass

March 18, 2025 Work Session

March 18, 2025 Regular Session 7:00 p.m.

Ordinance – Amending Section 600.030 Liquor Licenses – 2nd Reading
Resolution – Bid Award – Sidewalk Maintenance Program
Resolution – Bid Award – Street Maintenance Program
Resolution – Bid Award – Slipline Maintenance Program

April 1, 2025 Work Session

Discussion of Schedule of Fees
Discussion of Utility Rates

April 1, 2025 Regular Session 7:00 p.m.

Resolution – Nehimiah Festival 2025 Contract
Executive Session Pursuant to Section 610.021(3)RSMo.

April 15, 2025 Work Session

FY2024 Audit Review Presentation

April 15, 2025 Regular Session 7:00 p.m.

Resolution – Award Bid – Banking Services
Resolution – Amending the City Administrator's Contract
Election of Mayor Pro-Tem
Election for Planning Commission Representative
Election for Economic Development Committee Representative
Election for Parks and Recreation Committee Representative

April 17 & 18, 2025 Board Retreat

May 6, 2025 Work Session

May 6, Regular Session 7:00 p.m.

Proclamation – Public Service Recognition Week (to include Public Works and Public Safety)
Proclamation – Older Americans Month

May 20, 2025 Work Session

Discussion Departmental Budget Presentation
Discussion 6-Month FY2024 Budget Review
Discussion 5-Year Capital Improvement Plan Update

May 20, Regular Session 7:00 p.m.

June 3, 2025 Work Session

Discussion 5-Year Capital Improvement Plan Update

June 3, Regular Session 7:00 p.m.
Proclamation – Elderly Abuse Awareness

June 17, 2025 Work Session

June 17, Regular Session 7:00 p.m.
Resolution – Sports League Contract with Warrior Youth Football Club
Resolution – DWI Enforcement Grant
Resolution – Hazardous Moving Violation Grant

July 1, 2025 Work Session

July 1, Regular Session 7:00 p.m.

July 15, 2025 Work Session

July 15, Regular Session 7:00 p.m.
Resolution - Hazardous Mitigation Plan
Resolution – Warriors Youth Football Park Use Agreement
Resolution – Purchase Winter Materials
Resolution – MOU with School District for SRO

August 5, 2025 Work Session

August 5, Regular Session 7:00 p.m.
Resolution – MOU with Smithville School District - SRO

August 19, 2025 Work Session
Discussion 9-Month FY2025 Budget Update
Discussion FY2026 Operating Budget (1st Discussion)

August 19, 2025 Regular Session 7:00 p.m.
Resolution – Destination Safe Grant
Resolution – DWI Enforcement Grant Agreement
Resolution – Hazardous Moving Violation Grant Agreement
Resolution – Audit Services

September 2, 2025 Work Session
Discussion FY2026 Operating Budget (2nd Discussion if needed)

September 2, 2025 Regular Session 7:00 p.m.

September 16, 2025 Work Session 5:30 p.m.
Smithville Main Street District Update
Discussion FY2026 Operating Budget (2nd Discussion)

September 16, 2025 Regular Session 7:00 p.m.
Proclamation – Constitution Week
Public Hearing – Property Tax Levy
Ordinance – Setting the 2025 Property Tax Rate – Emergency Ordinance - 1st & 2nd Reading
Resolution – Award Bid - Snow Removal

Resolution – Acknowledgement of On-Call Engineering Services Agreement Renewal
Resolution – Award Bid - City Tow Contract

October 7, 2025 Work Session

October 7, 2025 Regular Session 7:00 p.m.
Public Hearing – Sewer Rates
Ordinance – FY2026 Operating Budget – 1st Reading

October 14, 2025 Work Session

October 14, 2025 Regular Session 7:00 p.m.
Ordinance – FY2026 Operating Budget – 2nd Reading
Resolution – Amending the Schedule of Fees
Resolution – Employee Compensation Plan
Resolution – Changes to the Policy Manual
Resolution – Acknowledgement of Chamber Agreement Renewal
Executive Session Pursuant to Section 610.021(3)RSMo.

November 4, 2025 Work Session

November 4, 2025 Regular Session 7:00 p.m.
Resolution – HHW (MARC) 2026
Resolution – Award Bid Camp Host
Resolution – Award Bid Audit Services

November 18, 2025 Work Session 6:00 p.m.

November 18, 2025 Regular Session 7:00 p.m.

December 2, 2025 Work Session

December 2, 2025 Regular Session 7:00 p.m.
Resolution – Renew Agreement with Piper Sandler & Co. for City Financial Services
Resolution - Agreement with Clay County Senior Services – Grant Funding

December 16, 2025 Work Session
FY2025 Year End Budget Review

December 16, 2025 Regular Session 7:00 p.m.

Unscheduled:
City/County Shared Roads – Clay and Platte
Contract with PWSD #8
ADU's (Accessory Dwelling Units) on Existing Properties
Award Bid "OK" Railroad Phase
Highway 92 & Commercial Street Waterline Improvements – Engineering Contract
McDonald's & Central Bank Lift Station – Engineering Contract Later maybe 2025
Smith's Fork Park Waterline – Construction Contract

Past Planning Calendars can be found on the City's website in each Board of Aldermen Regular session meeting under more….additional documents.