

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 <u>City's YouTube page.</u>

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

- 1. Call to Order
- 2. Pledge of Allegiance

https://us02web.zoom.us/j/82243146622 Meeting ID: 822 4314 6622

Passcode: 165331

- 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**

- Bill No. 3048-25, Rezoning 16000 North 169 Highway 2<sup>nd</sup> 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. 2<sup>nd</sup> reading by title only.
- 6. Bill No. 3049-25, Amending Conceptual Plan Lakeside Farms 2<sup>nd</sup> Reading An Ordinance approving an amendment to a conceptual zoning plan for Lakeside Farms on certain lands located in the City of Smithville, Missouri. 2<sup>nd</sup> reading by title only.

#### 7. Bill No. 3050-25, Rezoning 800 NW 92 Highway – 2<sup>nd</sup> 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. 2<sup>nd</sup> reading by title only.

- Bill No. 3051-25, FY2025 Budget Amendment No. 3 Emergency Ordinance Sponsored by Mayor Boley – 1<sup>st</sup> and 2<sup>nd</sup> Reading An Ordinance amending the FY2025 Operating Budget to add \$264,465.95 to the Combined Water and Wastewater Systems Fund. 1<sup>st</sup> and 2<sup>nd</sup> reading by title only.
- 9. Bill No. 3052-25, Ballot Language for 1/2% Public Safety Sales Tax 1<sup>st</sup> 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. 1<sup>st</sup> 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:**

- $\Box$  Ordinance
- ☑ Resolution
- □ Staff Report
- ☑ Other: Quote

 $\boxtimes$  Contract

- □ Plans
- $\boxtimes$  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 touchups 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* 

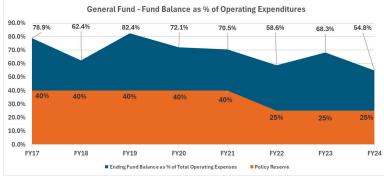
- Moderate increase in revenues
  - Property Tax
  - Sales Tax
  - Use Tax
  - Motor Fuel Tax

#### Expenditure Budget Recap

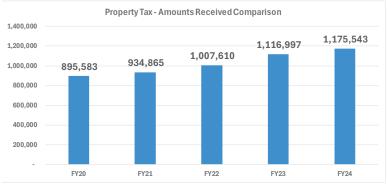
- Small variances
  - Salary and Wages
  - Capital Improvements

General Fund	FY	24 Original Budget	F	FY24 orecasted	F	Y24 Actual	(Bu	Variance dget 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

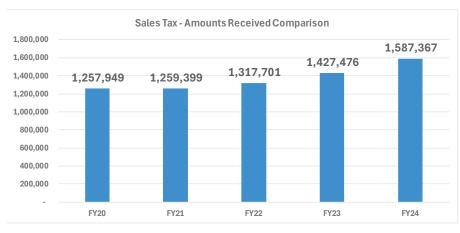
#### General Fund – Fund Balance Analysis



# FY2024 Property Tax



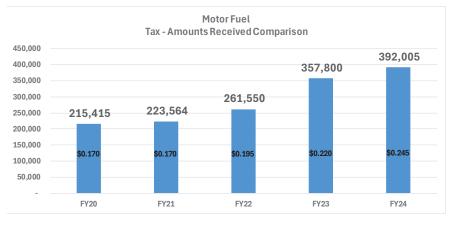
In FY24, sales tax receipts increased by 5.2% over FY23.



# 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

Combined Water & Wastewater Fund		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

#### CWWS Fund - FY2024 Performance

Revenue Performance

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

Expenditure Savings

Significant projects delayed:

- 144<sup>th</sup> 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	24 Original Budget	Fc	FY24 precasted	FY	24 Actual	(Bu	Variance dget 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	24 Original Budget	F	FY24 orecasted	FY	24 Actual	(Bu	Variance Idget 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 orecasted	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	FY	24 Original Budget	Fo	FY24 precasted	FY	24 Actual	(Bu	Variance dget 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

VERF Fund	FY	24 Original Budget	Fc	FY24 precasted	FY	24 Actual	(Bu	Variance dget 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)

Vehicle and Equipment Replacement Fund FY2024 Year End Financial Review

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 – 1<sup>st</sup> and 2<sup>nd</sup> 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. 1<sup>st</sup> 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. 2<sup>nd</sup> 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 - 1<sup>st</sup> 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. 1<sup>st</sup> 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 – 1<sup>st</sup> 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. 1<sup>st</sup> 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 – 1<sup>st</sup> 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. 1<sup>st</sup> 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



**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:

 $\boxtimes$  Contract: MOU  $\square$  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 7<sup>th</sup> 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
- $\boxtimes$  Resolution
- □ Staff Report
- ⊠ Other: Quote

- □ Plans
- $\Box$  Minutes

# **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 7<sup>th</sup> 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

Name/Address

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

Date	Estimate #
12/19/2024	15172

			Terms	Rep	FOB	W	O Number
			Net 30	House	Factory		
Qty	U/M	Item	C	escription		Rate	TOTAL
			Facility: WWTP				
			Location: Harbor Lakes P	S			
	1110		Quote AFP1048 M200/2	Replacement Pump	5		
2	EA	GXAV3K3C1111337	ABS Pump Model XFP10 460/3/60, Premium Effici			15,201.60	30,403.20
2	EA	11120562	O-Ring			15.59	31.18
1	E.A.	Misc	FTC Manufactured O-ring			5.00	5.00
1	EA	FP064188F2	4" Flange Pack 18-8 SS w Lead Time: 10 - 12 Week		sket	31.51	31.5
			Next Day Shipping: One being down.	Pump was expedited	due to station		
1		Freight	Estimated Freight Next D	ay Shipping		3,500.00	3,500.00
	1		Standard Shipping: Secon				
1		Freight	once the first pump is in a Estimated Standard Freigh		/.	750.00	750.00
			Note: FTC provided a ren for the first pump to arrive up a 4" flange pack and O installation of rental pump	e. When the rental p -Ring was needed for	ump was picked		
		e opportunity to be of servi			Subtotal		\$34,720.89
ms an	re subje	ct to a 1.5% service char	are net 30 days. Accounts age per month. Prices quote	ed are valid	Sales Tax (8	3.975%)	\$0.00
r 30 d	lays from	m the date of this quote.	Prices do not include any factory. A convenience for	applicable	Sales Tax (C	5.975%)	20.
		credit card transactions.	nactory. A convenience it	c or i/o mil	TOTAL	-	\$34,720.89

# Quote

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



**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
- $\boxtimes$  Resolution
- □ Staff Report
- ⊠ Other: Quote

ContractPlansMinutes

# **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 7<sup>TH</sup> day of January 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



# **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	For any questions, please contact:
2000 John Deere Run Cary, NC 27513	Montgomery Dylan
☐ Signature on all LOIs and POs with a	Heritage Tractor, Inc. 1300 S. Us-169 Highway Smithville, MO 64089
└── signature line ☐ Contract name or number; or JD Quote ID ☐ Sold to streat address	Tel: 816-873-3385 Email: dmontgomery@heritagetractor.com
<ul> <li>Sold to street address</li> <li>Ship to street address (no PO box)</li> <li>Bill to contact name and phone number</li> <li>Bill to address</li> </ul>	
Bill to email address (required to send the investment of the inve	voice and/or to obtain the tax
Membership number if required by the contract	ct

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 ld: 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





#### 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	
MÔ	

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)									
<b>Price Effective Date:</b> December 19, 2	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



# 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:							gested List *			
	mbar					-	-			
Stock Number:						\$ 23,413.00				
Contract: Sourcewell Grounds Maintenance 031121-DAC						Selling Price *				
						18,028.01				
Price Effective Date: December 19, 2024										
* 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			
		Stan	dard Option	s - 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 Selli	ng Price		\$ 23,413.00		\$ 5,384.99	\$ 18,028.01	\$ 18,028. <mark>01</mark>			



#### **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!



#### **MEETING DATE:** 1/7/2025

**DEPARTMENT:** Development

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

#### **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:**

$\boxtimes$	Ordii	nar	nce
		-	

- □ Resolution
- $\boxtimes$  Staff Report

☑ Other: Findings of Fact

 $\Box$  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.

#### 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 7<sup>th</sup> DAY OF JANUARY, 2025

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

First Reading: 12/17/2024

Second Reading 01/07/2025



#### 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:IOwner:ICurrent Zoning:IProposed Zoning:I

16000 N. US 169 Hwy Port Side Tie, LLC R-3 B-2

Public Notice Dates:

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

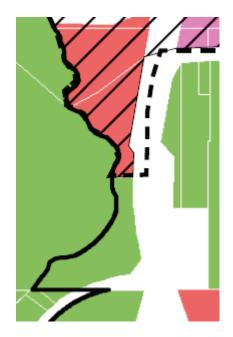
#### EXISTING ZONING:

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



#### **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:
☑ Other:
☑ Contract
☑ Contract</l

#### 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 7<sup>th</sup> DAY OF January, 2025

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

1<sup>st</sup> reading 12/17/2024

2<sup>nd</sup> reading 01/07/2025



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: Owner: Current Zoning:

18420 Eagle Parkway Eagle Heights Development, LLC R-1P and R-2P with a conceptual plan

Public Notice Dates:

1st Publication in Newspaper: N Letters to Property Owners w/in 185': N

November 20, 2024 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 188<sup>th</sup> 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 188<sup>th</sup> & 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:

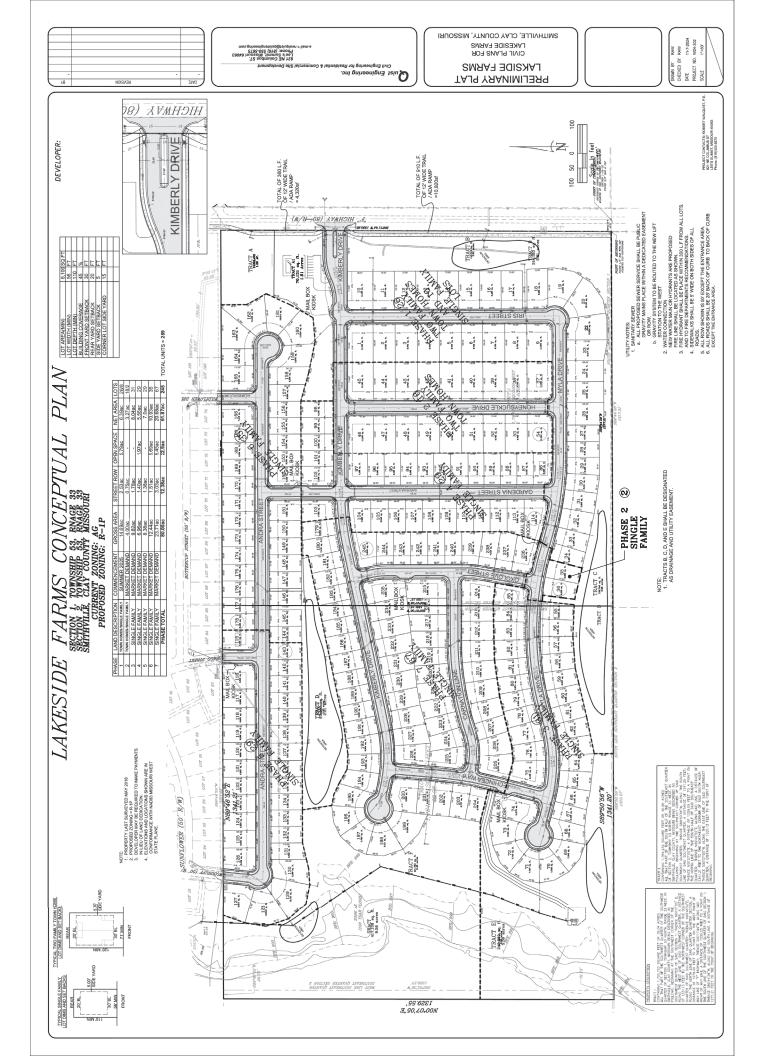
 That the Commission has reviewed the conceptual development plan with consideration of the issues contained in Subsection (B)(3) above; and
 That the conceptual development plan is in conformance with the comprehensive land use plan and other appropriate Sections of the Code of Ordinances; and

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





#### **MEETING DATE:** 1/7/2025

**DEPARTMENT:** Development

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

#### **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:**

- $\boxtimes$  Ordinance
- $\Box$  Resolution
- $\boxtimes$  Staff Report
- $\boxtimes$  Other: Findings of Fact
- $\Box$  Contract
- $\Box$  Plans
- $\Box$  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 nonpermanent 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.

#### 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  $7^{TH}$  DAY OF JANUARY, 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Cle	rk
First Reading:	12/17/2024
Second Reading	01/07/2025



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

Public Notice Dates:

1st Publication in Newspaper:November 21, 2024Letters 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 -  $1^{st}$  and  $2^{nd}$  Reading

#### **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 - 1<sup>st</sup> and 2<sup>nd</sup> 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:**

- $\boxtimes$  Ordinance
- □ Resolution
- □ Staff Report
- $\Box$  Other:

- Plans
- □ Minutes

#### **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 7<sup>th</sup> 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,  $1^{st}$  Reading

#### **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:

- $\boxtimes$  Ordinance
- □ Resolution
- □ Staff Report

□ Other

ContractPlansMinutes

#### 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 8<sup>th</sup> 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?

 $\Box$  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:01/07/2025Second Reading01/21/2025

#### 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?

 $\Box$  YES

 $\square$  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 21<sup>st</sup> day of January 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



**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 188<sup>th</sup> and 169 before the 61<sup>st</sup> dwelling is approved; complete construction of a 10' trail from 188<sup>th</sup> 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 110<sup>th</sup> 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
- $\boxtimes$  Resolution
- ⊠ Staff Report
- $\Box$  Other:

 $\Box$  Contract

 $\boxtimes$  Plans

⊠ Minutes – <u>meeting is viewable online</u>

### **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 7<sup>th</sup> 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: Owner: Current Zoning: 18400 N Eagle Parkway Eagle Heights Development, LLC R-1P and R-2P

Public Notice Dates: 1st Publication in Newspaper: Letters to Property Owners w/in 185':

November 20, 2024 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 188<sup>th</sup> 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.

I. 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:

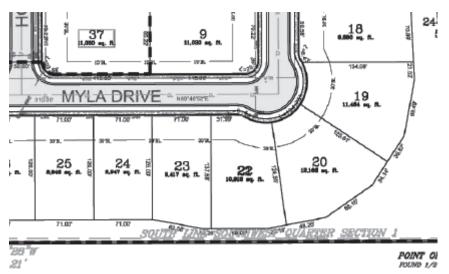
Staff recommends APPROVAL of the proposed Preliminary Plat following approval and execution of the Development Agreement as approved by the Board of Aldermen.

Respectfully Submitted,

<u>/s/ Jack Hendrix /s/</u> Director of Development SMITHVILLE 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. <u>Water</u>. 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. <u>Streets</u>. 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 188<sup>th</sup> 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 61<sup>st</sup> 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. <u>Stormwater</u>. 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. <u>Sanitary Sewers</u>. 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 1/2 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. <u>Parks</u>. 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<sup>2</sup>) 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<sup>2</sup> (68,273 x .5). In addition, the development would include an additional land area of 1 acre (43,560ft<sup>2</sup>) 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 188<sup>th</sup> Street and Eagle Parkway. The percentage discount of the required Payment in lieu of dedication shall be 84% (1320' x 10' = 13,200ft<sup>2</sup> X \$10 per ft<sup>2</sup> = \$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 86<sup>th</sup> permit to the 110<sup>th</sup> 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 110<sup>th</sup> permit is 28% more than the standard 86<sup>th</sup> permit. If no trail access is constructed from Kimberly Drive to 188<sup>th</sup> 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:	Ву
	Mayor
City Clerk	
	Eagle Heights Development, LLC
	By Carlos Lepe, Managing Member
STATE OF MISSOURI) ) se COUNTY OF CLAY )	S.
me known, and who, being by me duly of Eagle Heights Development, LLC, ar of said Eagle Heights Development, LL said instrument to be the free act and	, 2024, before me, the appeared, to y sworn, did say that he/she is the managing Member nd said instrument was signed and sealed on behalf .C by authority of its Board and he/she acknowledges deed of said Eagle Heights Development, LLC. , 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 eachRecurring 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

 $\Box$  Contract

 $\Box$  Plans

 $\Box$  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 7<sup>th</sup> day of January 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

tvler	technologies

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

rwelch@smithvillemo.org

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

Tyler Fees per Transaction	
Description	Net Unit Price
ERP Pro	
ERP Pro 10 Customer Relationship Management Suite	
Miscellaneous Payments	\$ 1.25

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

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ERP Pro Payments	Licenses	3.75%	\$ 2.50		×	×
ERP Pro Payments	Permits	3.75%	\$ 2.50		×	×
ERP Pro Payments	Accounts Receivable	3.95%	\$ 2.50		×	
Payments - Other Fees						
Tyler One						
Client eCheck Cost	Utility Billing	\$ 1.95				
eCheck Rejects		\$ 5.00				
Credit Card Chargebacks		\$ 15.00				
Payer Card Cost Client Card Cost - Interchange Plus	per card trans per card trans all transaction	per card transaction with Visa, MasterCard, Discover, and American Express when applicable. 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,	terCard, Discover, a terCard, Discover, a Iriven rates for ban	and American Exp and American Exp k fees, card branc	oress when applic oress, when appli d fees, interchan	able. cable, for ge fees,
Client eCheck Cost	Per electronic	dues, assessments, and other processing rees. Per electronic check transaction.	sssing rees.			
<b>Credit Card Chargebacks</b>	lf a card payer	If a card payer disputes a transaction at the card issuing bank (e.g. stolen card)	n at the card issuir	ig bank (e.g. stole	n card)	
eCheck Rejects	When an eChe	When an eCheck transaction comes back as declined (e.g bounced check)	s back as declined (	e.g bounced chec	:k)	
Third Party Software & Hardware					Extended	
Description			Quantity	Unit Price	Price	Annual
Tyler One						
Payments						
PCI Service Fee (Per Device) Payments EMV Card Reader Purchase	۵		2	\$ 0 \$ 529	\$ 0 \$ 1,058	\$ 360 \$ 0
		TOTAL:			\$ 1,058	\$ 360
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Summary	One Time Fees	<b>Recurring Fees</b>
Total Third Party Hardware, Software, Services	\$ 1,058	\$ 360
Total Tyler Services		
Summary Total	\$ 1,058	\$ 360

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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)

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 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 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.

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•	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.	accessible to the Client, and SaaS fees, Hosting fees, and Subscription fees are firs mencement of the agreement's initial term). Any such fees are prorated to align w ie agreement.	payable on the th the applicable
Fees •	<b>is sales quotation shall be invoiced as ind</b> ner professional services fees shall be invoice ess Consulting services shall be invoiced 50%	<b>icated below.</b> d as delivered. upon delivery of the Best Practice Recommendations, by module, and 50% upon delivery of custom desktop	esktop
•••	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	conversion option, and 50% upon Client acceptance to load the converted data int will invoice Client the actual services delivered on a time and materials basis. livery of the service. For the avoidance of doubt, where "Project Planning Services" edicated Project Management services, if any, will be invoiced monthly in arrears, b	Live/Production are provided, ginning 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.	d in accordance with the Agreement. hall apply to fees specifically for migrations: Tyler will invoice Client 50% of any Mi maining 50%, by line item, will be billed upon the go-live of the applicable product st product suite. Annual SaaS Fees will be invoiced upon availability of the hosted	ration Services suite. Tyler will :nvironment.
Any Saa <u>services</u>	Any SaaS or hosted solutions added to an agreement containing Client-hosted Tyler solutions are subject to Tyler's SaaS Services terms found here: <u>https://www.tylertech.com/terms/tyler-saas-</u> services.	re subject to Tyler's SaaS Services terms found here: <u>https://www.tylertech.com/ter</u>	ıs/tyler-saas-
Unless is later.	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.	ll be held for six (6) months from the Quote date or the Effective Date of the Contr	ct, whichever
Cust	Customer Approval:	Date:	
Print	Print Name:	P.O.#:	
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## **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

## **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

 $\boxtimes$  Resolution

□ Contract □ Plans

□ Minutes

□ Staff Report ☑ 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 7<sup>th</sup> day of January 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



**City of Smithville, MO** | WTP Residual Cleanout Overage Explanation

### 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.

truction	
ds Const	
Richard	

Load Log Summary for Smithville, MO

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

	1,265.16		1,265.16			285		Project Totals
1,265.16	414.26		414.26			146		TOTAL
SMF1 414.26 1,265.16	414.26	SMF1	92.16	25.6		East 24		11/15/2024
1,173.00	322.10	SMF1	45.05	15 23.1		East 13		11/14/2024
1,127.96	277.05	SMF1	65.69	15.1	15	East 29		11/12/2024
1,062.27	211.37	SMF1	47.61	13.8		23		11/11/2024
SMF1 163.76 1,014.66	163.76	SMF1	120.50	27.7		East 29	East	11/8/2024
894.17	43.26	SMF1	43.26	15 10.3		28	East	11/7/2024
Project Total Dry Tons	Field Total Dry Tons	Site	Dry Tons	Percent Solids	Tons/Load	Loads	Cell	Date



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,

10/1/11/11/11

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



### SAMPLE SUMMARY

Project:SMITHVILLE, MOPace Project No.:60462646

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



### 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



### ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60462646

Sample: 10-15 Results reported on a "dry weigh	Lab ID: 6046 ht" basis and are adiu		Collected: 10/15/2				latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	62.6	%	0.50	1		10/17/24 16:24		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	37.4	%	0.10	1		10/17/24 16:24		



### **QUALITY CONTROL DATA**

Project: SM	IITHVILLE, MO						
Pace Project No.: 604	162646						
QC Batch: 9	12926		Analysis Meth	nod: SI	M 2540G		
QC Batch Method: S	M 2540G		Analysis Des	cription: 25	540G Total Solids		
			Laboratory:	Pa	ace Analytical Servi	ices - Kansas C	City
Associated Lab Sample	s: 60462646001						
METHOD BLANK: 36	14432		Matrix:	Solid			
Associated Lab Sample	s: 60462646001						
			Blank	Reporting			
Paramete	r	Units	Result	Limit	Analyzed	Qualifiers	
Total Solids		%	ND	0.10	10/17/24 16:23		_
SAMPLE DUPLICATE:	3614433						
			60462523008	Dup		Max	
Paramete	r	Units	Result	Result	RPD	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.



### 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.



### 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		

DC#_Title: ENV-FRM-	LENE-0009 Sam	
		WO#:60462646
	ective Date: 01/12/2	
Client Name:		60462646
Courier: FedEx UPS VIA Clay	PEX 🗆 ECI 🗆	
Tracking #: Pac	ce Shipping Label Use	nd? Yes 🗹 No 🗆 🖌
Custody Seal on Cooler/Box Present: Yes/ No 🗆	Seals intact: Yes	Ź No∕□
Packing Material: Bubble Wrap , Bubble Bags I	🗆 Foam 🖵	None 🖞 Other 🛛
Ma AA d	fice: Wet Blue (No	ing
Cooler Temperature (°C): As-read 5-6 Corr. Fact		ted Date and initials of person
Temperature should be above freezing to 6°C		
Chain of Custody present:	Yes No N/A	
Chain of Custody relinguished:		
Samples arrived within holding time:		
Short Hold Time analyses (<72hr):	□Yes Ŋo □N/A	
Rush Turn Around Time requested: 3 d M	ØŸès □No □N/A	(6)
Sufficient volume:	Yes No N/A	
Correct containers used:		
Pace containers used:		
Containers intact:	Yes DNO DN/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:	Yes No N/A	
Containers requiring pH preservation in compliance?	□Yes □No N/A	List sample IDs, volumes, lot #'s of preservative and the
(HNO₃, H₂SO₄, HCI<2; NaOH>9 Sulfide, NaOH>10 Cyanide)		date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# 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:		
Headspace in VOA vials ( >6mm):	1	
Samples from USDA Regulated Area: State: V V		
Additional labels attached to 5035A / TX1005 vials in the field		
Client Notification/ Resolution: Copy COC to		Field Data Required? Y / N
Person Contacted: Date/T	- ime:	
Comments/ Resolution:		
Project Manager Review;	Date	e:

Date:

Pac
e Analytical
3 2

# **CHAIN-OF-CUSTODY / Analytical Request Document**

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	10	9	80	7	o	on	4	ω	2	-	ITEM#			]	Request	Phone	Email To:		Address:	Company:	Section A Required C	To
										10-15	(A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		Section D Valid Matrix Codes Required Client Information MATRIX COL		Requested Due Date/TAT: RUSH		agruenewald@hodgesfd.com	Lebo, KS 66856	501 N. West Street	: Hodges Farms and Dredging	Section A Required Client Information:	Pace Analytical
											TS DT R	DW WT SL SL	codes		Project Number	Project Name:	Purchase Order No.:		Copy To:	Report To: Aaron Gruenewald/Jeff Hodges	Section B Required Project Information:	
										β	MATRIX CODE (	see valid codes i	to left)		ber		der N			Aaro	oject	
										0	SAMPLE TYPE (G	GRAB C=CO	MP)			Smi	 			n Gn	nform	
										10/15/24	DATE	COMPOSITE START				Smithville, MO				Jenewald	ation:	
										8:00	TIME	ESTART	COLLE							/Jeff Hod		
										10/15/24	DATE	COMPOSITE END/GRAB	COLLECTED							ges		<b>CHAIN-OF-CUSTODY / ANAIYtICAL Request Document</b> The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.
										16:00	TIME	AB										of-Custody
l											SAMPLE TEMP AT C	OLLECTION										is a L
										-	# OF CONTAINER	s			Pace Profile #	Pace Project Manager:	Pace Quote Reference:	Address:	Company Name:	Attention:	Section C Invoice Information:	EGAL
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T							L	_	I	-	Analysis Test	I	Y/ N	$\vdash$								
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ł	+	-	-	-		⊢					Aluminum	croury	-	Rec								Con Co
t			-	-		-		-	-		Sodium			lues								
t											Chloride			e								ã Ô
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I											TKN			lysia	10	te L	UST	Ę	ŝ			ely_
ĺ										_	Total Solids			Requested Analysis Filtered (Y/N)	STATE	Site Location	1	NPDES	REGULATORY AGENCY			a
ļ										_	Effective Neutral	izing Mate		tere	Цį	9			R			-
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Ļ			_	_			-				Residual Chlorine	( <u>V/N</u> )	(cent					NA NA			Page:	6
Ļ	-	-	-	_	_	-	_	_			Residual Chionne	(17N)		2.2	198	11150		1 FF				5
											P			10	all h	181	-14	<u> </u>			-	P
											Pace Project No./ Lab I.D.		Autor	-44	54	100	1	_'				2
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\*For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing

Collect Fecal Coliform samples after 10:00am

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Kichuco

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11-23 TIME

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10/16 DATE

1125

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2

TIME

SAMPLE CONDITIONS

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)

RELINQUISHED BY / AFFILIATION

DATE 112/24

ACCEPTED BY I AFFILIATION

ADDITIONAL COMMENTS

12 ≓

Pace
Analy
tical Ser
vices,
LLC LLC



Work Order Number:

WPDU

16oz unpresserved plstic

	Glass			Plastic		Misc.
clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic	-	Wipe/Swab
per voa vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
lear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic	ZPLC	Ziploc Bag
ber vial	JGFU	4oz unpreserved amber wide	BP1U	1L unpreserved plastic	ΑF	Air Filter
amber vial	AGOU	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate	C	Air Cassettes
amber vial	AG1H	1L HCI amber glass	BP2B	500mL NAOH plastic	R	Terracore Kit
Inpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic	C	Summa Can
ar vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic		
. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic		
rved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate		
lear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic		WIETLIX
lass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered	WT	Water
lear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	SL	Solid
Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic	NAL	Non-aqueous Liquid
jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic	P	OIL
	AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate	Мþ	Wipe
			BP4U	125mL unpreserved plastic	DW	Drinking Water
	40mL bisulfate clear vial 40mL HCI amber voa vial 40mL MeOH clear vial 40mL TSP amber vial 40mL Aarhio amber vial 40mL Na Thio amber vial 40mL Na Thio. clear vial 40mL Na Thio. clear vial 40mL Na Thio. clear vial 10mL Na Thio. clear vial 40mL Unpreserved clear vial 10mL H2SO4 clear glass 250mL HCL Clear glass 250mL HCL Clear glass 250mL Unpres Clear glass 250mL Unpres Clear glass 16oz clear soil jar		Glass WGKU WGEU JGFU al AG10 AG17 AG17 AG17 AG17 AG17 AG17 AG17 AG10 AG28 AG20 AG20 AG20 AG20 AG20 AG20 AG20 AG20	Glass       WGKU     8oz clear soil jar       WGFU     4oz clear soil jar       WG2U     2oz clear soil jar       JGFU     4oz clear soil jar       AG1T     1L HCI amber glass       AG1U     1liter unpres amber glass       Vial     AG2N       AG2N     500mL HNO3 amber glass       AG2U     500mL unpres amber glass       AG3U     250mL unpres amber glass       AG4U     125mL unpres amber glass       AG5U     400mL unpres amber glass	Glass         WGKU       8oz clear soil jar       BP18         WGFU       4oz clear soil jar       BP1N         WG2U       2oz clear soil jar       BP1N         JGFU       4oz upreserved amber wide       BP1N         JGFU       4oz upreserved amber glass       BP1U         JGFU       100mL unores amber glass       BP1Z         AG1H       1L HCI amber glass       BP2N         AG1T       1L H2SO4 amber glass       BP2N         AG1U       1liter unpres amber glass       BP2N         AG1U       1liter unpres amber glass       BP2N         AG2N       500mL HNO3 amber glass       BP2N         AG2S       250mL H2SO4 amber glass       BP3B         AG2U       500mL unpres amber glass       BP3N         AG3U       250mL unpres amber glass       BP3N         AG4U       125mL unpres amber glass       BP3U         AG5U       100mL unpres amber glass       BP3Z         BP3X       BP3X       BP3X       BP3X         BP3X       100mL unpres amber glass       BP3Z       BP3X         BP3X       100mL unpres amber glass       BP3Z       BP3X	Plastic           WGKU         8oz clear soil jar         BP18         1L NAOH plastic           MGFU         4oz clear soil jar         BP18         1L NAOH plastic           WGFU         2oz clear soil jar         BP10         1L HN03 plastic           JGFU         2oz clear soil jar         BP11         1L HN03 plastic           JGFU         2oz clear soil jar         BP13         1L HN03 plastic           JGFU         4oz nipeserved amber wide         BP10         1L unpreserved plastic           JGFU         100mL unores amber glass         BP10         1L unpreserved plastic           AG1H         1L HCI amber glass         BP20         500mL NAOH plastic           AG1T         1L Na Thiosulfate clear/amber glass         BP20         500mL HNO3 plastic           Vial         AG2N         500mL HN03 amber glass         BP27         500mL NaOH, Zn Acetate           Vial         AG2S         500mL HN03 amber glass         BP3B         250mL NaOH, Zn Acetate           Vial         AG3S         250mL H2SO4 amber glass         BP3F         250mL NaOH, Zn Acetate           No         4G2U         500mL unpres amber glass         BP3N         250mL HN3 plastic - field filtered           SS         AG4U         125mL unpres a

Matrix VG9H DG9H Client: DG9Q Site VG9U DG9U 5 DG9M ţ٣ 7 DG9B BG1U 7 AG1H AG1U AG2U AG3S AG4U AG5U JGFU WGKU WGDU BP1U Profile/EZ # Notes BP2U BP3U BP1N BP3N BP3F BP3S BP3B BP3Z WPDU ZPLC Other

COC Line Item

> DC#\_Tritie: ENV-FRM-LENE-0001 v07\_Sample Container Count Effective Date: 7/12/2024

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10 10 10 5

Page 1 of 1

Page 11 of 26



### ANALYTICAL REPORT

L2460759
Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
Ryan Brumfield
(913) 307-6958
SMITHFIELD, MO
60462646
11/01/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:11012412:24	L2460759 11/01/24	Receive Date 10/18/24	
Serial	Lab Number: Report Date:	Collection Date/Time 10/15/24 16:00	
		Sample Location MO	
		Matrix SOLID	
	SMITHFIELD, MO : 60462646	<b>Client ID</b> 10-15	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2460759-01	



Project Name: SMITHFIELD, MO Project Number: 60462646

Lab Number: L2460759 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.

609 Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 11/01/24



### INORGANICS & MISCELLANEOUS



Serial_I	No:11012412:24
----------	----------------

Project Name: Project Number:	SMITHFIELD, MO 60462646							L2460759 11/01/24	
			SAMPLE	RESUL	rs				
Lab ID: Client ID: Sample Location:	L2460759-01 10-15 MO						Received:	10/15/24 16:00 10/18/24 Not Specified	1
Sample Depth: Matrix: Parameter	Solid Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab								
Density	1.11	SU	0.100		1	-	11/01/24 03:3	0 12,D1475	DEW



12:24
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110
ö Z
Serial

SMITHFIELD, MO	r: 60462646
Project Name:	<b>Project Number:</b>

Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2460759

 Report Date:
 11/01/24

Parameter	Native Sa	ample	<b>Duplicate Sample</b>	iple Units		PD Qua	RPD Qual RPD Limits	ts
General Chemistry - Westborough Lab Associated sample(s)	. 01	QC Batch ID:	QC Batch ID: WG1991738-1 QC Sample: L2460759-01 Client ID: 10-15	QC Sample	: L2460759-	01 Client ID	10-15	
Density	1.11		1.21	SU		0		



## Sample Receipt and Container Information

YES

### **Cooler Information**

Were project specific reporting limits specified?

Custody Seal	Absent
Cooler	A

## **Container Information**

4	rime Analysis(*)	DENSITY()
Frozei	Date/Tim€	
	Seal	Absent
	Pres	≻
Temp	deg C	4.2
Final	Нd	
Initial	Нd	NA
	Cooler	۷
rmation	Container Type	Glass 120ml/4oz unpreserved
Container Information	Container ID	L2460759-01A



### Project Name: SMITHFIELD, MO

Project Number: 60462646

### Lab Number: L2460759

### **Report Date:** 11/01/24

### GLOSSARY

### Acronyms

/ lor on yme	
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

Project Number: 60462646

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

Footnotes

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- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

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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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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

Project Number: 60462646

Serial\_No:11012412:24

Lab Number: L2460759

**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, MOProject 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

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x Rush Multiplier	×	State Of Origin: MO			1 arc
Workorder: 60462646 Workorder Name: SMITHVILLE, MO		Owner Receive	Cert. Needed: Yes Owner Received Date:	10/16/2024 Results R	Results Requested By: 10/21/2024
				Requested Analysis	
Ryan N. Brumfield Pace Analytical Mansfield Pace Analytical Kansas 320 Forbes Blvd 9608 Loiret Blvd. MA 02048 Lenexa, KS 66219 Phone (913)599-5665 Phone (913)599-5665	nsfield 48 900		,		
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	Pres	Preserved Containers	1		
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PS 10/15/2024 16:00 60462646001	Solid 1		×		
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Thursday, October 17, 2024 2:28:06 PM

FMT-ALL-C-002rev.00 24March2009

Serial\_No:11012412:24

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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)

Date Prepared: REQUESTED COMPLETION DATE:	10/17/24
Check Box for Consolidated Invoice:	
Receiving Project No:	
Sending Project No:	

Sending Region	IR60-Kansas	C P C	
Perceiving Device	in too-realisas	Sending Project Mgr.	Ryan N. Brumfield
Receiving Region	S880	External Client	
State of Sample Origin		Caternal Olicit	Hodges Farms & Dredging LLC
	MO	QC Deliverable	STD PEDODT
All q	uestions should be addre	ssed to sending project manager.	STD REPORT

Requested Reportable Units

Report Wet or Dry Weigh	nt? Dry We	eight IRV	VO Lab Ne	ed to run?	Cert. Needed N
WORK	REQUEST	ED	17 17 17		
Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
IGEU	4				
0010		Unpreserved	1	SI-20MET	SUB PASI MET
	WORK	WORK REQUEST	WORK REQUESTED	WORK REQUESTED Container Type Quantity of containers Preservative Samples	WORK REQUESTED Container Type Quantity of containers Container Type Quantity of Con

Report C, QC Limits (C), FR Only no EDD (0)

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: Yes x 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.

Thursday, October 17, 2024 2:28:08 PM





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,

Semper 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





### 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



### SAMPLE SUMMARY

Project: SMITHVILLE, MO-Revised Report Pace Project No.: 60462766

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60462766001		Solid	10/16/24 16:00	10/17/24 11:36



### SAMPLE ANALYTE COUNT

Project:SMITHVILLE, MO-Revised ReportPace 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



### ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report

Pace Project No.: 60462766

Sample: 10-16 Results reported on a "dry weigh	Lab ID: 6046 t" basis and are adju		Collected: 10/16/2				latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	62.9	%	0.50	1		10/21/24 16:11		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	37.1	%	0.10	1		10/21/24 16:11		



### **QUALITY CONTROL DATA**

Project:	SMITHVILLE, MO-R	evised Report						
Pace Project No.:	60462766							
QC Batch:	913347		Analysis Met	nod: SM	M 2540G			
QC Batch Method:	SM 2540G		Analysis Des	cription: 25	40G Total Solids			
			Laboratory:	Pa	ace Analytical Serv	vices - Kansas	s City	
Associated Lab Sam	ples: 6046276600	1						
METHOD BLANK:	3616124		Matrix:	Solid				
Associated Lab Sam	ples: 6046276600	1						
			Blank	Reporting				
Param	eter	Units	Result	Limit	Analyzed	Qualifiers	\$	
Total Solids		%	ND	0.10	10/21/24 16:10			
SAMPLE DUPLICAT	E: 3616125							
			60462563004	Dup		Max		
Param	neter	Units	Result	Result	RPD	RPD	Qualifiers	
Total Solids		%	63.7	63.0	1	8	6 H1	
SAMPLE DUPLICAT	E: 3616126							
			60462783004	Dup		Max		
Param	leter	Units	Result	Result	RPD	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.



### 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.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MO-Revised ReportPace 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		

Baca	DC#_Title: ENV-FRM-	LENE-0009_Samp	le Condition Up	0462766	
ANALYTICAL SERVIC	Bevision: 2	ective Date: 01/12/2	WO# : 0		
Client Name:	1FRD				
Courier: FedEx L	PS 🗆 VIA 🗆 Clay 🗆		60462766	Uther 🗆	
Tracking #:	Pa	ce Shipping Label Used			
Custody Seal on Cooler/		Seals intact: Yes			
	ibble Wrap 🗆 🕺 Bubble Bags	(	_	Other 😡	
Thermometer Used:	Туре с	of Ice: Wet Blue No	Ne n	<u>\</u>	10
Cooler Temperature (°C):	As-read 2 . Corr. Fac	tor Correct	ed 2 - /	Date and initials of per examining contents:	son/(/
Temperature should be above	freezing to 6°C	- ,			v (
Chain of Custody present:		Yes No N/A			
Chain of Custody relinguist	ned:			7	
Samples arrived within hole	ling time:	Yes No N/A			
Short Hold Time analyses	; (<72hr):	□Yes \$No □N/A			
Rush Turn Around Time I	equested: Bday	Yes No N/A			
Sufficient volume:	5	Yes No N/A			
Correct containers used:		Yes DNO DNA			
Pace containers used:		Yes No N/A			
Containers intact:					
Unpreserved 5035A / TX10	05/1006 soils frozen in 48hrs?	□Yes No □N/A			
Filtered volume received fo	r dissolved tests?	□Yes No □N/A			
Sample labels match COC:	Date / time / ID / analyses	∽QYes □No □N/A			
Samples contain multiple p	nases? Matrix:				
Containers requiring pH pre (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH> (Exceptions: VOA, Micro, O&C	eservation in compliance? 9 Sulfide, NaOH>10 Cyanide)		List sample IDs, volu date/time added.	imes, lot #'s of preservativ	e and the
Cyanide water sample chec	ks:				
Lead acetate strip turns dar		□Yes □No			
Potassium iodide test strip f	urns blue/purple? (Preserve)	Yes No			
Trip Blank present:					
⊣eadspace in VOA vials ( >	6mm):				
Samples from USDA Regul	ated Area: State: (Y) 9	Yes No N/A			
	5035A / TX1005 vials in the field				
Client Notification/ Resolu	tion: Copy COC t	o Client? Y / N	Field Data Requir	ed? Y / N	
Person Contacted:	Date/	Time:			
Comments/ Resolution:					
Project Manager Review:		Date			

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Cel
Analytica www.pacelabs.com
States .
§ 6

## The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. CHAIN-OF-CUSTODY / Analytical Request Document

Note:         Note: <th< th=""><th>Samp (</th><th></th><th></th><th>Төл</th><th></th><th></th><th></th><th></th><th>DATE Signed (MM/DD/YY):</th><th>ATE</th><th>99</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>127</th><th>Y SAMPLI</th><th>SIGNATURE of SAMPLER:</th><th>SIC</th><th>Г<sup>—</sup></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	Samp (			Төл					DATE Signed (MM/DD/YY):	ATE	99								127	Y SAMPLI	SIGNATURE of SAMPLER:	SIC	Г <sup>—</sup>										
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Qualtrax ID: 30422

Pace® Analytical Services, LLC

Page 1 of 1



### ANALYTICAL REPORT

Lab Number:	L2462443
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Ryan Brumfield (913) 307-6958
Project Name:	60462766
Project Number:	60462766
Report Date:	11/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:11082413:40	L2462443 11/08/24	Receive Date 10/26/24	
Serial	Lab Number: Report Date:	Collection Date/Time 10/15/24 16:00	
		<b>Sample Location</b> SMITHVILLE,MO	
		<b>Matrix</b> SOLID	
	60462766 60462766	<b>Client ID</b> 10-15	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2462443-01	



 Project Name:
 60462766

 Project Number:
 60462766

 Lab Number:
 L2462443

 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:

Curlen Walker Cristin Walker

Title: Technical Director/Representative

Date: 11/08/24



### INORGANICS & MISCELLANEOUS



Serial	No:11082413:40
Contai	110.11002410.40

 Lab Number:
 L2462443

 Report Date:
 11/08/24

SAMPL	E RE	SULTS

Sample Location: Sample Depth: Matrix:	SMITHVILL Solid	_, 2				Dilution	Field F	ſ	Not Specified	
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst



Project Name:

Project Number: 60462766

60462766

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08241	
No:11	
Serial_	

	L2462443	11/08/24	
	Lab Number:	Report Date:	
Lab Duplicate Analysis	Batch Quality Control		
	60462766	60462766	
	Project Name:	Project Number:	

Parameter	Nativ	e Sample		<b>Duplicate Sample</b>		Units	RPD	Qual	RPD Qual RPD Limits
General Chemistry - Westborough Lab Associated sample(s):	ted sample(s): (	11 QC B	atch ID:	QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample	QC Sampl	e: L24637	760-01 Cli	ent ID: DL	JP Sample
Density		1.01		1.01		SU	0		



60462766 Project Number: 60462766 Project Name:

Lab Number: L2462443 Serial\_No:11082413:40 Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Absent Cooler

∢

**Container Information** 

Final Temp pH degC Pres Seal 4.4 Initial <sup>I</sup> Cooler pH F AA ∢ Glass 250ml/8oz unpreserved Container ID Container Type L2462443-01A

Absent ≻

DENSITY()

Analysis(\*)

Frozen Date/Time



## Serial\_No:11082413:40

## **Project Name:** 60462766

## Project Number: 60462766

## Lab Number: L2462443

## **Report Date:** 11/08/24

## GLOSSARY

## Acronyms

Acronymo	
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.



Project Name:	60462766	Lab Number:	L2462443
Project Number:	60462766	Report Date:	11/08/24

#### Footnotes

- 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 Waterpreserved 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



<sup>1</sup> 

## **Project Name:** 60462766

## Project Number: 60462766

Serial\_No:11082413:40

## Lab Number: L2462443

## **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.)



 Project Name:
 60462766

 Project Number:
 60462766

 Lab Number:
 L2462443

 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

Custody Custody Samples Tre-Logged into eCOC Samples Tre-Logged into eCOC Over Received Date: 10/17/2024 Results Requested By: 11/ 2024 Results Requested B							L24	62443		08N0V24	24	I		
Route frequencies     Rest Multiplier     X       Representation     Samples Frequested By:       Samples Frequested By:     Samples Frequested By:       Samples Frequested By:     Samples Frequested By:       Samples Frequested By:     Samples Frequested By:       All Burnleid     Samples Fredues By:       All Burnleid     Samples Fredues By:       All Burnleid     Samples Fredues By:       All Burnleid     Samples Fredues By:       All Burnleid     Sample Bi       Preserved Containers     Breack and By:       All Burnleid     Sample Bi       All Burnleid     Sample Bi       Preserved Containers     Breack and By       All Burnleid     All Burnleid       All Burnleid     All Burnleid   <	Intern	al Transfer	Chain o	of Custody					2				Ç	
tria contract to c	Vorkord		Workorder N		tiplier X Pre-Logged i ILLE, MO	t nto eCOC		ate Of Or ert. Need wner Rec	rigin: N ed:	Yes te:	X No	4 Results Requested	Pact	2
N. Brunnfield     Pace Analytical Mansfield       a307 Forbos Study     Sand Study       a307 Forbos Study     MA 02043       Anone (509)822-3300,     Sannpie       Na. KS 66219     Prosecond       Prosecond     Prosecond       Sample ID     Type       Sample ID     Prosecond       S	Report To			ŝ	To						Requestor	d Analysis		
Preserved Containers       Bample ID     Type     Data/Time     Lab ID     Matrix     Preserved Containers       00-15     Type     Data/Time     Lab ID     Matrix     Data/Time     Preserved Containers       10-15     Type     Data/Time     Lab ID     Matrix     Data/Time     Preserved Containers       10-15     Type     Data/Time     Lab ID     Matrix     Data/Time     Preserved Containers       10-15     PS     10/15/2024 16:00 60462766001     Solid     1     X     N     N       10-15     PS     10/15/2024 16:00     60462766001     Solid     1     N     N       10-15     PS     10/15/2024 16:00     60462766001     Solid     1     N     N       10-15     PS     10/15/2024 16:00     60462766001     Solid     1     N     N       10-15     PS     10/15/2024 16:00     60462766001     Solid     1     N     N       10-15     PS     10/15/2024 16:00     60462766001     Solid     1     N     N       10-15     PS     PS     PS     PS     PS     PS     PS	Ryan N. B Pace Anal 9608 Loire Lenexa, K Phone (91	rumfield ytical Kansas t Blvd. S 66219 3)599-5665		Pace Ar 320 For Mansfie Phone (	alytical Mansf bes Blvd id, MA 02048 (508)822-9300 (508)822-9300	field			VisnəC					
Sample ID     Sample Collect     Lab ID     Matrix     Description       10-15     Type     Date/Time     Lab ID     Matrix     Difference       10-15     Ps     10/15/2024 16:00     60/462766001     Solid     1     X     D     D     D       10-15     Ps     10/15/2024 16:00     60/462766001     Solid     1     X     D     D     D     D       10-15     Ps     10/15/2024 16:00     60/462766001     Solid     1     X     D     D     D     D       10-15     Ps     10/15/2024 16:00     60/462766001     Solid     1     X     D     D     D     D       10-15     Ps     10/15/2024 16:00     60/462766001     Solid     1     D     D     D     D     D       11     Ps     D     D     D     D     D     D     D     D     D       11     Ps     D     D     D     D     D     D     D     D       11     Ps     D     D     D     D     D     D     D     D       12     C     Date/Time     Received By     D     D     D     D     D       13 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Descenario</td><td>Particular State</td><td>Т</td><td></td><td></td><td></td><td></td><td></td></t<>							Descenario	Particular State	Т					
Sample ID     Sample Collect     Lab ID     Matrix     Matrix     DistorTime     Lab ID     DistorTime     Comments       sfers     Released By     Intervine Different     OC     Contractive Different     OC     Contractive Difference     Contractive Diffe							LIGANIAGO	CONTAINETS	T	_	_			
10-15       PS       10/15/2024       15:00       60462766001       Solid       1       X       N		le ID	Sample Type	ne	Lab ID	Matrix	paviesaidun						LAB USE ON	>
ransfers     Released By     Comments       coller Temperature on Received     0     0     0     0     0       Coller Temperature on Received     0     0     0     0     0     0	10-15		PS		60462766001	Solid	+		×					
Date/Time     Received By     Date/Time       C     C     C       C     C     C       °C     Custodv Seal Y or N     Received on Ice Y or N														
Date/Time     Received By     Date/Time       CSelleau     1000     1000       CSelleau     1000     1000       Custody Seal Y or N     Received on Ice     Y or N	-		-						-	-	-	Comments		
C Custody Seal Y or N Received on Ice Y or N Samoles Intact Y or	Transfers	Released By		Date/Time	Received B	v	1 1	Date/	lime					
°C C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or					2	eau	90		00					
	Cooler Te	I smperature on Rev	ceipt	°C Cust		or N	2	eceived	on Ice	Y or h	-	Samples Intact	Y or N	

Friday, October 25, 2024 10:34:20 AM

This chain of custody is considered complete as is since this information is available in the owner laboratory.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1 Page 24 of 26

Serial No:11082413:40

×

Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300 INTER\_LABORATORY WORK ORDER # 60462766

(To be completed by sending lab)

No

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

	WORK	REQUESTI	ED			
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

**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.

X No

## LOCATION: 6091-R3-S2B3

Serial\_No:11082413:40

- HERE

FROM:

TERBY 514 H

NE NO NORCHO MAC

Mstr

MPSB

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BILL	MANSFIEL	581		PRIO	5		
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Page 26 of 26



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,

Semper 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





## 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



## 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



## SAMPLE ANALYTE COUNT

Project:SMITHVILLE, MO-Revised ReportPace 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



## ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report

Pace Project No.: 60462862

Sample: 10-17	Lab ID: 6046		Collected: 10/17/2		Received: 10		latrix: Solid	
Results reported on a "dry weigh	2				•			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth	od: ASTM D	2974					
	Pace Analytical	Services - K	ansas City					
Percent Moisture	49.5	%	0.50	1		10/21/24 16:11		
2540G Total Percent Solids	Analytical Meth	od: SM 2540	G					
	Pace Analytical	Services - K	ansas City					
Total Solids	50.5	%	0.10	1		10/21/24 16:11		



## **QUALITY CONTROL DATA**

Project:	SMITHVILLE, MO-Re	vised Report					
Pace Project No.:	60462862						
QC Batch:	913347		Analysis Met	nod: SN	M 2540G		
QC Batch Method:	SM 2540G		Analysis Des	cription: 25	40G Total Solids		
			Laboratory:	Pa	ace Analytical Ser	vices - Kansa	s City
Associated Lab Sam	ples: 60462862001						
METHOD BLANK:	3616124		Matrix:	Solid			
Associated Lab Sam	ples: 60462862001						
			Blank	Reporting			
Param	eter	Units	Result	Limit	Analyzed	Qualifier	S
Total Solids		%	ND	0.10	10/21/24 16:10		
SAMPLE DUPLICAT	E: 3616125						
-			60462563004	Dup		Max	
Param	eter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	63.7	63.0	1	ł	3 H1
SAMPLE DUPLICAT	E: 3616126						
			60462783004	Dup		Max	
Param	eter	Units	Result	Result	RPD	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.



## 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.



## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MO-Revised ReportPace 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		

		-962
Pace DC#_Title: ENV-FRM-	LENE-0009_Sam	ple Condit 462862
Revision: 2 Effe	ective Date	¥
Client Name: HF & D	- Va	
	ce Shipping Lat	AS NO
Custody Seal on Cooler/Box Present: Yes D No	Seals intact: Yes	
Packing Material: Bubble Wrap D Bubble Bags I	(	None 🗆 Other/ 🗆
Thermometer Used:	fice: Met Blue No	
Cooler Temperature (°C): As-read (V, Corr. Fact	tor <u> </u>	ted (0 · )
Temperature should be above freezing to 6°C		
Chain of Custody present:	Yes No N/A	
Chain of Custody relinguished:	Yes No N/A	
Samples arrived within holding time:	Yes No N/A	
Short Hold Time analyses (<72hr):		
Rush Turn Around Time requested: 3day		
Sufficient volume:		
Correct containers used:	□ Nes □ No □ N/A	
Pace containers used:		
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	Thes No N/A	
Samples contain multiple phases? Matrix:	□Yes □No □N/A	
Containers requiring pH preservation in compliance? (HNO₃, H₂SO₄, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide)	TYES DNA DNA	List sample IDs, volumes, lot #'s of preservative and the date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# 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):		
Samples from USDA Regulated Area: State: M	□Yes No □N/A	
Additional labels attached to 5035A / TX1005 vials in the field		
Client Notification/ Resolution: Copy COC to	· · · · · · · · · · · · · · · · · · ·	Field Data Required? Y / N
Person Contacted: Date/T	Time:	
Comments/ Resolution:		
Project Manager Review:	Date	a

				containers fr	For metals/	"Collect Fee	12	11	10	ø	80	7	ອ	en	4	ω	2	-	ITEM #		Re		Requested	Phone: 92	Email To:		Address:	Company:	Section A Required C	
				containers for off-gassing	For metals/hublents, leave at least 1 inch of h	ADDITIONAL COMMENTS													(A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		Section D Required Client Information		Requested Due Date/TAT:		agruenewald@hodgesfd.com	Lebo, KS 66856	501 N. West Street	Hodges Farms and Dredging	Section A Required Client Information:	Pace Analytical www.pacelabs.com
					1 inch of headenace in	OMMENTS												10-15			Valid Matrix Codes		RUSH	Fax	odgesfd.com		eet	and Dredging		E M
				-		ł							+						TS T	SL WW	CODE		Project Number	Project Name:	Purchase Order No.:		Copy To:	Report To: Aaron Gruenewald/Jeff Hodges	Section B Required Project Information:	
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					C	QUIST	⊢	_		_				_				0	SAMPLE TYPE (G=	GRAB C=CC	DMP)			Smith	6			Gru	Iforma	
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<u>w</u>	3	MIPLER			har	FFILIATION					_							8:00	TIME	START	COLLECTED							Jeff Hodg		= O
SIGNATURE of SAMPLER:	PRINT Name of SAMPLER:	SAMPLER NAME AND SIGNATURE			0	0							_	_				10/15/24	DATE	COMPOSITE END/GRAB	TED							es		<b>CHAIN-OF-CUSTODY / Analytical Request Document</b> The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.
of SAMPLI	of SAMPLI	DSIGNATI		1	1210	- DATE												16:00	IME											-OF-C
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					14:47	TIME		_	_	-	+	4	_	_	_	_		1 X	# OF CONTAINERS				Pace Profile #	Pace Project Manager:	Pace Quote Reference:	Address:	Company Name:	Attention:	Section C Invoice Information:	
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						8				$\neg$									Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		tives									eleva
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DATE					16	닅				+	+	+							Aluminum	Joury		Req								Com Co
DATE Signed (MM/DD/YY):					$\mathcal{N}$	<b>VII</b>													Sodium			uest								
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					1247	TIME												×	Bulk Density			Requested Analysis Filtered (Y/N)			RCRA	GR	REGULATORY AGENCY			$\square$
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	eived (Y/N					SAMPL													Pace			a Din			٦	٦			-	6
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Sampi (`	les Ini Y/N)	tact				IONS													Pace Project No./ Lab I.D.					A. S.		WATER			<b>-</b> ≯ Pa	je 10 of 26
																						0.3						L		

-			-						_			_	_				Container Codes	12	11	10	9	00	7	6	IJ	4	ω	2	-	COC Line Item	
	WGDU	BG3U	BG3H	BG1U	BG1S	VG9U	VG9T	VG9H	DG9U	DC91	DG9S	Dead		DOON I	DC9B	2	Codes												ř	Matrix	Effect
						N	N																							VG9H	ive Date
	16oz clear soil jar	250mL Unpres Clear glass	250mL HCL Clear glass	1liter unpres glass	1liter H2SO4 clear glass	40mL unpreserved clear vial	40mL Na Thio. clear vial	40mL HCI clear vial	40mL amber unpreserved	40mL Na Thio amber vial	40mL H2SO4 amber vial	4UML ISP amper viai	40mL WEUH clear viar	4011L FICI altiber voa via	40mL bisultate clear vial															DG9H	NV-FRA 2: 7/12/2
	ear so	Unpre	HCLO	npres (	2SO4	Inpres	Va Thio		amber	Va Thio	12504	or an	VIEOH	TO all	Disultat															DG9Q	.024 Client:
	ijar	s Clea	lear g	glass	clear g	erved	o. clear	ar vial	unpres	o ambe	ambe	nber vi	clear v	IDEL VO	e cleai															VG9U	
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		1540				a																								DG9M	
																Glass														DG9B	DC#_Title: ENV-FRM-LENE-0001 v07_Sample Container Count Effective Date: 7/12/2024 client: 4 F & D site: 5 M 1 H full
AG5U	AG4U	AG3U	AG2U	AG3S	AG2S	AG2N	AG1U	AG1T	AG1S	AG1H	AGOU	JGFU	WG2U	WGFU	WGKU	SS														BG1U	ount
L																														AG1H	
100mL	125mL	250mL	500mL	250mL	500mL	500mL	1liter u	1L Na	1L H2:	1L HC	100mL	4oz un	20Z CIE	40Z CIE	8oz cle															AG1U	
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s amb	s amb	s amb	s amb	)4 amb	)4 amb	3 ambe	amber	Ifate c	nber g	r glass	s amb	ved ar	jar	jar	ar															AG3S	
er glas	125mL unpres amber glass	250mL unpres amber glass	500mL unpres amber glass	250mL H2SO4 amber glass	500mL H2SO4 amber glass	500mL HNO3 amber glass	glass	1L Na Thiosulfate clear/amber glass	ass		100mL unores amber glass	4oz unpreserved amber wide																		AG4U	
S	s	s	S	ŝ	ŝ			nber gl			io,	ide																		AG5U	
																														JGFU	
BP3Z	BP3S	BP3U	BP3N	BP3F	BP3B	RP97	BP2U	BP2S	BP2N	BP2B	BP1Z	BP1U	BP1S	BP1N	BP1B															WGKU	
																														WGDU	
250mL NaOH, Zn Acetate	250mL	250mL	250mL	250ml	250mL	500ml	500mL unpreserved plastic	500mL H2SO4 plastic	500mL HNO3 plastic		1L Na(	1L unp	1L H23	1L HN	1L NA															BP1U	Pos
NaOF	H2SC	unpre	HNO	HNO	NaO		unpre	. H2SC	HNO	NAO	NaOH, Zn Acetate	unpreserved plastic	H2SO4 plastic	O3 pla	NAOH plastic	Plastic														BP2U	Profile/EZ #
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WP		NAI	S	¥1						R	0	ΑF	ZPLC	SP5T	-															BP3S	
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Wipe	OIL	Non-a	Solid	Water					Summ	Terrac	Air Ca	Air Filter	Ziploc Bag	120mi	Wipe/Swab															BP3Z	7
	dacon				Matrix			0	Summa Can	Terracore Kit	Air Cassettes	Ē	Bag	- Colife	Swab	Misc.													1	WPDU	
		inii			trix						"			orm Na		SC.														ZPLC	
														120mL Coliform Na Thiosulfate																Other	
																															Page 11 of 26

Qualtrax ID: 30422

Work Order Number:

624608W

BP3F BP3N BP3U BP3S BP3Z BP4U BP4N BP4N BP4S

DW NAL WT

Drinking Water

WPDU

16oz unpresserved plstic

125mL unpreserved plastic 125mL HNO3 plastic 125mL H2SO4 plastic

Pace® Analytical Services, LLC

4

Page 1 of 1



## ANALYTICAL REPORT

Lab Number:	L2462440
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Ryan Brumfield (913) 307-6958
Project Name:	60462862
Project Number:	60462862
Report Date:	11/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:11082413:38	L2462440 11/08/24	<b>Receive Date</b> 10/26/24	
Serial_N	Lab Number: Report Date:	Collection Date/Time 10/15/24 16:00	
		<b>Sample Location</b> SMITHVILLE,MO	
		<b>Matrix</b> SOLID	
	60462862 60462862	<b>Client ID</b> 10-15	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2462440-01	



 Project Name:
 60462862

 Project Number:
 60462862

 Lab Number:
 L2462440

 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:

Curlen Walker Cristin Walker

Title: Technical Director/Representative

Date: 11/08/24



# INORGANICS & MISCELLANEOUS



Serial_	No:11082413:38
---------	----------------

	Lab Number:	L2462440
	Report Date:	11/08/24
SAMPLE RESULTS		

Lab ID: Client ID: Sample Location:	L2462440-01 10-15 SMITHVILLE							Received:	10/15/24 16:00 10/26/24 Not Specified	)
Sample Depth: Matrix:	Solid									
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
eneral Chemistry - Wes	stborough Lab									
ensity	1.36		SU	0.100		1	-	11/07/24 03:30	0 12,D1475	DEW



Project Name:

Project Number: 60462862

60462862

13:38	
0824	
No:11	
Serial	

Project Name: 60462862 Project Number: 60462862	60462862 60462862	Lai	Lab Duplicate Analysis Batch Quality Control	s	Lat Re	Lab Number: Report Date:	L2462440 11/08/24	
arameter		Native Sample	Dunlicate Sample	Ilnite	LDD		RPD I imite	

Nativ	ve Sample	<b>Duplicate Sample</b>		Units F	RD	RPD Qual	RPD Limits	
seneral Chemistry - Westborough Lab Associated sample(s):	01 QC Batch ID: WG1994163-1	WG1994163-1	QC Sample	QC Sample: L2463760-01 Client ID: DUP Sample	-01 Clie	nt ID: DL	JP Sample	
	1.01	1.01	0)	SU	0			



60462862 Project Number: 60462862 Project Name:

Lab Number: L2462440 Serial\_No:11082413:38 Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Absent Cooler

∢

**Container Information** 

Final Temp pH degC Pres Seal 4.4 Initial <sup>I</sup> Cooler pH F AN ∢ Glass 250ml/8oz unpreserved Container ID Container Type L2462440-01A

Absent ≻

DENSITY()

Analysis(\*)

Frozen Date/Time



## Serial\_No:11082413:38

## **Project Name:** 60462862

## Project Number: 60462862

## Lab Number: L2462440

## **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.



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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



## Project Name: 60462862

## Project Number: 60462862

Serial\_No:11082413:38

## Lab Number: L2462440

## **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.)



 Project Name:
 60462862

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 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

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  | race Analytical Mansheld<br>320 Forbes Blvd<br>Mansfield, MA 02048<br>Phone (508)822-9300<br>65  |  | workolder variet var  | Workorder Name: SMITHVILLE. MO Owner Received Date: 10/18/2024 Results Requested Bv:   |  
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  | Sample         Collect         Lab ID         Matrix         Ref         I <th>Sample         Collect         Lab ID         Matrix         Utility         Diate/Time         Lab ID         Matrix         Utility         Diate/Time         Diate/Ti</th> <th>Preserved Containers         a           Sample         Collect         Image (Collect         Image (Col</th> <th>Preserved Containers       Reserved Containers     Bulk Dens       Type     Date/Time     Lab ID       Type     Date/Time     Lab ID       Natrix     Voltocid     1       Type     Date/Time     Lab ID       PS     10/15/2024 16:00     60462862001       PS     10/15/2024 16:00     60462862001       PS     10/15/2024 16:00     Aatrix       Aatrix     Aatrix     Aatrix</th> <th>lsas<br/>Tece Analytical Mansfield<br/>Marsfield MA 2000<br/>B5<br/>Pione (500)822-3300<br/>B5<br/>Pione (500)822-3300<br/>B5<br/>Pione (500)822-3300<br/>B1<br/>Pione (500)822-3300<br/>Pione (500)822-3300<br/>B1<br/>Pione (500)822-3300<br/>B1<br/>Pione (500)822-3300<br/>Pione (500)820<br/>Pione (500)820-100<br/>Pione (500)820<br/>Pione (500)820<br/>Pione (500)820-100<br/>Pione (500)820<br/>Pione (500</th> <th>65<br/>20 Forbes Blvd<br/>Mansfield, MA 02048<br/>Phone (500)822-9300<br/>65<br/>Fine Field MA 02048<br/>Phone (500)822-9300<br/>66<br/>Fine Field MA 02048<br/>Phone (500)822-9300<br/>66<br/>Fine Field MA 02048<br/>Phone (500)822-9300<br/>66<br/>Fine Field MA 02048<br/>Phone (500)822-9300<br/>66<br/>Field Matrix<br/>Type Data/Time Lab ID<br/>Field Matrix<br/>Field Matrix<br/>F</th> <th>Subcontract To     Retrestrict Analysis       Pace Analytical Mansfield       Pace Analytical Mansfield     Retrustical Analysis       Pace Analytical Mansfield     Mansfield, MA 02048       Phone (508)822-9300     Bulk Denail       Phone (508)822-9300     Freeerved Containers       Phone (508)822-9300     Freeerved Containers       Phone (508)822-9300     Freeerved Containers       Sample Colloct     Natrix       Type     Pare/Time       Ps     10/15/2024 16:00       Ps     10/15/2024 16:00       Colloct     Date/Time       Contrainer     Contrainers</th> <th>Ter Chain of Custody     Rish Multiplier     X       Rish Multiplier     X     State of Origin: MO       Samples Pre-Looged into eCOC     Cert. Needed: Ves     Ves       Workorder Name:     Sammer Received Date:     10/18/2024 Results Requested By:       Morkorder Name:     Sammer Received Date:     10/18/2024 Results Requested By:       Pace Analytical Mansfield     Requested Analysis     Requested Analysis       Pace Analytical Mansfield     Analytical Mansfield     Requested Analysis       Pace Analytical Mansfield     Received Containers     Banefield       Pare Analytical Mansfield     Received Containers     Banefield       Pace Analytical Mansfield     Analytical Mansfield     Analytical Mansfield       Pace Analytical Mansfield     Received Containers     Banefield       Pace Analytical Mansfield     Analytical Mansfield     Analytical Mansfield       Partime     Banefield     Analytical Mansfield     Analytical Mansfield       Pacontio     Pace Analytical Mansfield     Analytica</th> <th>fer Chain of Custody      </th> <th>Released By</th> <th>Date/Time</th> <th>Received B</th> <th>beau</th> <th>represor</th> <th>1900</th> <th></th> <th></th> <th></th> <th></th> | Sample         Collect         Lab ID         Matrix         Utility         Diate/Time         Lab ID         Matrix         Utility         Diate/Time         Diate/Ti  
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   | Workorder Name:     Samples Pre-Logged into eCOC     Cert. Needed:     Yes     X     No       Workorder Name:     SMITHVILLE, MO     Owner Received Date:     10/18/2024 Results Requested By:       Samolie Proces Blvd     Preserved Date:     10/18/2024 Results Requested By:       Requested Analysis     Samolie Collect     No       Sample Collect     Preserved Containers     Builk Defension       Sample Collect     Preserved Containers     Builk Defension       Pare/Trime     Retrix     US 10       Pare/Trime     Preserved Containers     Builk Defension       Pare/Trime     Pare/Trime     Preserved Containers   | Workorder Name:     Samples Pre-Logged into eCOC     Cert. Needed:     Yes     X     No       Workorder Name:     SMITHVILLE, MO     Owner Received Date:     10/18/2024 Results Requested By:       State     State     Internet Received Date:     10/18/2024 Results Requested By:       Anssided, MA     200     Preserved Containers     Bulk Dennist       Mansfield     Mansfield     Mansfield       Anno (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300     Bulk Dennist     Bulk Dennist       Phone (508)822-3300    
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| fer Chain of Custody   | fer Chain of Custody       0800024         fer Chain of Custody       Rush Multiplier         Norkorder Name:       Rush Multiplier         Samples Pre-Logged into eCoc       Owner Rected:         Workorder Name:       Samples Pre-Logged into eCoc         Submission       Samples Pre-Logged into eCoc         Sample Color       Owner Rected:         State of Origin: MO       Owner Rected:         State of Origin: MO       Owner Rected Date:         State of Origin: MO       Matrix         State of Origin: MO       Owner Rected Date:         State of Origin: MO       Matrix         State of Origin: MO       Owner Rected Date:         State of Origin: MO       Matrix         State of Origin: MO       Owner Rected Date  
  | fer Chain of Custody     0800024       fer Chain of Custody     Rush Multiplier       Rush Multiplier     X       Rush Multiplier     X       Norkorder Name:     SMITHVILLE.MO       Sonsonstation     Sate of origin: Mo       Sonsonstation     Cert. Needed:       Pace Shold     Norkorder Name:       Sonsonstation     Sate of origin: Mo       Sonsonstation     Cert. Needed:       Pace Shold     Marsfield, MA 02048       Process Biold     Marsfield, MA 02048       Prone (500)822:4300     Prone (500)822:4300       Prone (500)822:440     Prone (500)822:440       Prone (500)822:440     Prone (500)822:440       Prone (500)822:440     Prone (500)822:440 <td>fer Chain of Custody     0800024       fer Chain of Custody     0800024       miniplier     Xanaplies Pre-Logged into eCOC       workorder Name:     Samplies Pre-Logged into eCOC       partine     Pre-Marking Marking       partine     Pre-Marking       partine     Partine</td> <td>fer Chain of Custody       0800024         fer Chain of Custody       Rush Multiplier         Name       Rush Multiplier         Name       Samples Pre-Logged into eCOC         Workorder Name:       Samoner Received Date:         Streement       Account Received Date:         Streement       Requested Bris         Requested Bris       Preserved Containers         Requested Bris       Requested Bris         Type       DaterTime         Pase Intrin       Account         Type       DaterTime         DaterTime       DaterTime         DaterTime       DaterTime</td> <td>fer Chain of Custody     0800024       Pace-KS     Pace-KS       Pace-KS</td> <th>fer Chain of Custody       0800024         fer Chain of Custody       0800024         Image: Samples Pre-Logged into eCOC       Rate of Origin: MO         Workorder Name:       Samples Pre-Logged into eCOC         Sample Cohoes Blvd       Owner Received Date:         Preserved Containers       Bulk Donais         Proversection       Solution         Proversection       Solution         Proversection       Solution         Proversection       Solution         Proversection       Solution         Proversection       Solution         Proversection       &lt;</th> <td>fer Chain of Custody       08N0V24         fer Chain of Custody       08N0V24         Pace - KS       Pace - KS         Norkorder Name:       Smither         SMITHVILLE, MO       State of Origin: MO         Workorder Name:       SMITHVILLE, MO         SMITHVILLE, MO       Owner Received Date:         Jace Analytical Mansfield       Requested Date:         Mansfield, MA 02048       NA         Pace Analytical Mansfield       Requested Date:         Pace Analytical Mansfield       Requested Date:         Pace Analytical Mansfield       Requested Date:         Pace Analytical Mansfield       Requested Analysis</td> <th>fer Chain of Custody       08N0V24         fer Chain of Custody       08N0V24         Rush Multiplier       X         Samples Pre-Logged into eCOC       State of Origin: MO         Workorder Name:       SMITHVILLE, MO         SMITHVILLE, MO       Owner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Owner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Owner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Owner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Moner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Moner Received Date:       10/18/2024 Results Requested By:         Pace Analytical Mansfield       Moner Received Date:       10/18/2024 Results Requested By:         Phone (508)822-9300       Moner Received Date:       10/18/2024 Results</th> <th>fer Chain of Custody       08NOV24         fer Chain of Custody       08NOV24         Rush Multiplier       X         Samples Pre-Logged into eCOC       State Of Origin: MO         Workorder Name:       SMITHVILLE, MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       State Of Origin: MO         Subcontract To       Owner Received Date: 10/18/2024 Results Requested By:         Mansfield, MA 02048       Mansfield         Phone (509)822-9300       Z</th> <td>fer Chain of Custody       L2462440       08NOV24         PACE – KS       PACE – KS         PACE – KS       State Of Origin: MO         Norkorder Name:       SMITHVILLE, MO         Subcontract To       Owner Received Date:       10/18/2024 Results Requested By:</td> <td>fer Chain of Custody      </td> <td>fer Chain of Custody      </td> <td>r Chain of Custody</td> <td>08N0V24</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>MVC.</td> <td>DAAII</td> <td></td> <td></td> <td>1</td> <td></td> | fer Chain of Custody     0800024       fer Chain of Custody     0800024       miniplier     Xanaplies Pre-Logged into eCOC       workorder Name:     Samplies Pre-Logged into eCOC       partine     Pre-Marking Marking       partine     Pre-Marking       partine     Partine   | fer Chain of Custody       0800024         fer Chain of Custody       Rush Multiplier         Name       Rush Multiplier         Name       Samples Pre-Logged into eCOC         Workorder Name:       Samoner Received Date:         Streement       Account Received Date:         Streement       Requested Bris         Requested Bris       Preserved Containers         Requested Bris       Requested Bris         Type       DaterTime         Pase Intrin       Account         Type       DaterTime         DaterTime       DaterTime         DaterTime       DaterTime   
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  | r Chain of Custody   | 08N0V24  |                      |  |  |  |         | MVC.         | DAAII       |      |                                 | 1   |               |
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Needed: Owner Received Containers       re-Logged into eCOC     Error       re-Logged into eCOC     Error | Piece Add     DBNOV24     Dena Logged into accor     Eata Or Origin: MO       minimum     Re-Logged into accor     State Of Origin: MO       minimum     Cert. Needed: US     Yes       minimum     State Of Origin: MO       minimum     Cert. Needed: US       minim     Cert. Needed: US <td< th=""><th>L2462440     OBNOV24       Pier     X       Pier     X       State Of Origin: MO       re-Logged into eCOC     Ext. Needed: UN       owner Received Date:     10/18/2024 Results Requested By:       n. MA 02048     0000224 0001       owner Received Date:     10/18/2024 Results Requested By:       n. MA 02048     000024       opport     1       owner Received By     0       detable:     1       detable:     1       detable:     1       detable:     1</th><td>L2462440     OBNOV24       Pace - KS     State Of Origin: MO       Pace - ogged into eCOC     Et. 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MA 02048     0000224 0001       owner Received Date:     10/18/2024 Results Requested By:       n. MA 02048     000024       opport     1       owner Received By     0       detable:     1       detable:     1       detable:     1       detable:     1   
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   | plierX<br>re-Logged into eCOC<br>re-MO   | Diler         Serial No:11082           PACE - KS         08N0V24         Serial No:11082           PACE - KS         State Of Origin: MO         08N0V24  | 08N0V24  |                      |  |  |   
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Friday, October 25, 2024 10:30:28 AM

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FMT-ALL-C-002rev.00 24March2009

i.

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Serial\_No:11082413:38

#### Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

INTER\_LABORATORY WORK ORDER # 60462862

(To be completed by sending lab)

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	REQUEST	ED			
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 X

**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.

No

# LOCATION: 6091-R3-S2B3

Page 1 of

Serial No:11082413:38

	FROM: FROM:	<sup>0</sup> MARY TERRY 514 H	MAC	in a second	E Se	Materia Maria Maria	
SHIP DATE: 250CT24 ACTMGT 30 UB MAN CAO: 0456433/CAFE3808 DIMS: 18×15×11 IN BILL SENDER	MANSFIELD		Fedex	SATURDAY 12:00P PRIORITY OVERNIGHT	01581 MA-US BOS		4 mm.
ORIGIN TD IXDA (913) 559-5665 SHIPPING DEPARTMENT PACE 9608 LOIRET BLVD LENEXA K5 662192406 UNITED STATES US	ICAL	WESTBOROUGH MA 01581 (500) 890-9220 REF: C8 - 2967 DEPT: CLIENT SERVICES REF: C8 - 2967		21	X0 BBFA	9X3 WMM MMAx64-341887 # me9	

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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,

Semper 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





#### 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



# 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



#### SAMPLE ANALYTE COUNT

Project:SMITHVILLE, MO-Revised ReportPace 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



# ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report

Pace Project No.: 60462913

Sample: 10-18 Results reported on a "dry weigh	Lab ID: 6046 at" basis and are adju		Collected: 10/18/2				atrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	51.9	%	0.50	1		10/23/24 14:44		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	48.1	%	0.10	1		10/23/24 14:44		H1



### **QUALITY CONTROL DATA**

Project:	SMITHVILLE, MO-Rev	ised Report					
Pace Project No.:	60462913						
QC Batch:	913626		Analysis Meth	hod: SN	M 2540G		
QC Batch Method:	SM 2540G		Analysis Des	cription: 25	40G Total Solids		
			Laboratory:	Pa	ace Analytical Servi	ices - Kansas (	City
Associated Lab Sar	mples: 60462913001						
METHOD BLANK:	3616948		Matrix:	Solid			
Associated Lab Sar	mples: 60462913001						
			Blank	Reporting			
Paran	neter	Units	Result	Limit	Analyzed	Qualifiers	
Total Solids		%	ND	0.10	10/23/24 14:44		_
SAMPLE DUPLICA	TE: 3616949						
SAMFLE DUFLICA	IL. 3010949		60462913001	Dup		Max	
Paran	neter	Units	Result	Result	RPD	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.



#### 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.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MO-Revised ReportPace 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		

	WO#:60462913
Pace NUMERAL SPRICES	LENE-000
Revision: 2	ective Date: 0+, ++, +++
Client Name: <u>H++</u>	
	PEX ECI Pace Xroads Client Other
	ce Shipping Label Used? Yes 🖄 No 🗆
Custody Seal on Cooler/Box Present: Yes No Packing Material: Bubble Wrap Bubble Bags	Seals intact: Yes 🖉 No 🗆
Thermometer Used: Type of	of Ice: Wet Blue None
Cooler Temperature (°C): As-readCorr. Factor	tor Corrected 12 Date and initials of person examining contents:
Temperature should be above freezing to 6°C	
Chain of Custody present:	
Chain of Custody relinguished:	
Samples arrived within holding time:	
Short Hold Time analyses (<72hr):	
Sufficient volume:	
Correct containers used:	
Pace containers used:	
Containers intact:	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	
Filtered volume received for dissolved tests?	
Sample labels match COC: Date / time / ID / analyses	
Samples contain multiple phases? Matrix:	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	□Yes □No
Potassium iodide test strip turns blue/purple? (Preserve)	
Trip Blank present:	
Headspace in VOA vials ( >6mm):	
Samples from USDA Regulated Area: State: $MQ$	
Additional labels attached to 5035A / TX1005 vials in the field?	
Client Notification/ Resolution: Copy COC to	1150
Person Contacted: Date/Ti Comments/ Resolution:	Time:
Project Manager Review;	Date:

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CHAIN-OF-CUSTODY / Analytical Request Document All relevant fields must be completed accurately.

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Page 10 of 26

				( )
Section A Required C	Section A Required Client Information:	Section B Required Project Information:	Section C	Page: 1
Company:	Hodges Farms and Dredging	Report To: Aaron Gruenewald/Jeff Hodges	Attention:	
Address:	501 N. West Street	Сору То:	Company Name:	REGULATORY AGENCY
	Lebo, KS 66856		Address:	I NPDES I GROUND WATER I DE
Email To:	agruenewald@hodgesfd.com	Purchase Order No.:	Pace Quote Reference:	T UST T RCRA T O
Phone:	Phone: 920-373-8715  Fax:	Project Name: Smithville, MO	Pace Project	Site Location

Sam	Cust		Te						12	(MM/DD/YY):	MMD											SAMPLE	SIGNATURE of SAMPLER:	SIGN																
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Pace Project No/Lab1D	ice Projec		Residual Chlorine (Y/N)	Bulk Density	Effective Neutralizing Mate	Total Solids	TKN	Total Phosphorus	Chloride	Sodium	Aluminum	6010 Metals / Mercury	LAnalysis Test L	Other	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol	NaOH	HCI	HNO <sub>3</sub>	Unpreserved H <sub>2</sub> SO <sub>4</sub>	# OF CONTAINERS	SAMPLE TEMP AT COLLECTION		END/GRAB		DATE TIME	ССМРО	SAMPLE TYPE (G=GRAB C=C	MATRIX CODE (see valid code:		WT S S S S S S S S S S S S S S S S S S S	WATER PRODUCT OIL OIL SOU-SOUD OIL OIL WIPE AIR OTHER OTHER TISSUE	WATE PROST SOILS OIL WIPE AIR TISSU	QUE		SAMPLE ID (A-Z, 0-9 /) Sample IDs MUST BE UNIQUE	A-	Sam		ITEM #	ITEM #
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Qualtrax ID: 30422

Pace® Analytical Services, LLC

Page 1 of 1



# ANALYTICAL REPORT

Lab Number:	L2462445
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Ryan Brumfield (913) 307-6958
Project Name:	60462913
Project Number:	60462913
Report Date:	11/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:11082413:40	L2462445 11/08/24	<b>Receive Date</b> 10/26/24	
Serial_No:	Lab Number: Report Date:	Collection Date/Time 10/15/24 16:00	
		Sample Location SMITHVILLE,MO	
		Matrix SOLID	
	60462913 60462913	<b>Client ID</b> 10-18	
	Project Name: Project Number:	Alpha Sample ID L2462445-01	





 Project Name:
 60462913

 Project Number:
 60462913

 Lab Number:
 L2462445

 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:

Curlen Walker Cristin Walker

Title: Technical Director/Representative

Date: 11/08/24



# INORGANICS & MISCELLANEOUS



Serial_No	:11082413:40
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11/07/24 03:30

12,D1475

DEW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
Sample Depth: Matrix:	Solid					Dilution	Defe			
Client ID: Sample Location:	10-18 SMITHVILLI	E,MO					Date R Field P	eceived: rep:	10/26/24 Not Specified	
Lab ID:	L2462445-0	1					Date C	ollected:	10/15/24 16:00	
				SAMPLE	RESUL	rs				
Project Number:	60462913						Repor	t Date:	11/08/24	
Project Name:	60462913							umber:	L2462445	

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1.36

Density

I3:40
08241
No:11
Serial

L2462445 11/08/24

	Lab Number:	Report Date:
Lab Duplicate Analysis	Batch Quality Control	
	60462913	60462913
	Project Name:	Project Number:

imits	le	
RPD Qual RPD Limits	DUP Samp	
Qual	Client ID:	ł
RPC	2463760-01	0
le Units	QC Sample: L	SU
<b>Duplicate Sample</b>	QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample	1.01
e Sample	~	1.01
Native	General Chemistry - Westborough Lab Associated sample(s): 0	
Parameter	General Chemistry - Westbo	Density



60462913 Project Number: 60462913 Project Name:

Lab Number: L2462445 Serial\_No:11082413:40 Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Absent Cooler ∢

**Container Information** 

Final Temp pH degC Pres Seal ≻ 4.4 Initial <sup>I</sup> Cooler pH F AN ∢ Glass 250ml/8oz unpreserved Container ID Container Type L2462445-01A

Absent

DENSITY()

Analysis(\*)

Frozen Date/Time



# Serial\_No:11082413:40

# **Project Name:** 60462913

# Project Number: 60462913

# Lab Number: L2462445

# **Report Date:** 11/08/24

#### GLOSSARY

#### Acronyms

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

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

1

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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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

# Project Number: 60462913

Serial\_No:11082413:40

# Lab Number: L2462445

# **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

 Project Number:
 60462913

 Lab Number:
 L2462445

 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

	Transfei	- Chain e	Internal Transfer Chain of Custodv			<b>P</b>	PACE - KS		101000		5	
Workorder: 60462913	rder: 60462913	Workorder Name:	Rush Multiplier Samples Pre-Luame: SMITHVILLE.	Rush Multiplier X Samples Pre-Logged into eCOC SMITHVILLE, MO	K into eCO		State Of Origin: MO Cert. Needed:Ye Owner Received Date:	igin: N od: C eived D	10 Yes X No Jate: 10/21/2024	4o 024 Results Requested Bv:	Pace	
Report To			SL	To						1.0		Г
Ryan N. Brumfield Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665	field al Kansas vd. 6219 99-5665		Pace Ar 320 For Mansfie Phone (	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300	fleid			viianaŭ alk				
						Preserved Containers	Containers	8	_			
ttem Sample ID	0	Sample Type	Sample Collect Type Date/Time L	Lab ID	Matrix	bevieseranu					LAB USE ONLY	*
1 10-18		PS	10/15/2024 16:00 6	60462913001	Solid	+		×				П
0 4 3												
										Comments		T
Transfers R	Released By		Date/Time	Received By	v	11	Date/Time	ime	Location: 6091-R3-S2B3	3-S2B3		-
				rech	Jedu .	10/26 31	nel h	00				
3							_					
Cooler Temp	<b>Cooler Temperature on Receipt</b>	ceipt	°C Custo	Custody Seal Y	or N		Received on Ice	on Ice	Y or N	Samples Intact	Y or N	

This chain of custody is considered complete as is since this information is available in the owner laboratory.

Serial\_No:11082413:40

#### Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

INTER\_LABORATORY WORK ORDER # 60462913

(To be completed by sending lab)

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 I IRWO Lab Need to run? Cert. Needed N

	WORK	REQUEST	ED			
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

**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.

x No

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Serial\_No:11082413:40 TERB 514 H MAR MAC Matr 1994 MPS #393/8202/93985 1055110501+50 01581 ma-us BOS SATURDAY 12:00P PRIORITY OVERNIGHT FedEx SHIP DATE: 250CT24 ACT4GT 30.00 LB MAN CAD 0456433/CAFE3808 DINS 18x15x11 IN BILL SENDER PACE ANALYTICAL MANSFIELD 8 WALLCUP DR WESTBOROUGH MA 01581 081 858-9220 REF: C8 - 2967 ORIGIN 'LD.IXDA (913) 569-5665 SHIPPING DEPARTMENT 9608 LOIKET BLVD **BBFA** S201 4033 6452 0005 UNITED STATES US (508) 898-9220 DEPT: CLIENT SERVICES TO RECIEVING L. Stater 2/20 JXE WITM MITHER 42 4 75 072

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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,

Semper 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





#### 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



# 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



### SAMPLE ANALYTE COUNT

Project:SMITHVILLE, MO-Revised ReportPace 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



# ANALYTICAL RESULTS

Project: SMITHVILLE, MO-Revised Report

Pace Project No.: 60462967

Sample: 10-21 Results reported on a "dry weigh	Lab ID: 6046 t" basis and are adiu		Collected: 10/21/2 rcent moisture. sa				atrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	70.2	%	0.50	1		10/23/24 14:44		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	29.8	%	0.10	1		10/23/24 14:44		H1



# **QUALITY CONTROL DATA**

Project:	SMITHVILLE, MO-Rev	ised Report					
Pace Project No.:	60462967						
QC Batch:	913626		Analysis Meth	nod: SN	/I 2540G		
QC Batch Method:	SM 2540G		Analysis Des	cription: 25	40G Total Solids		
			Laboratory:	Pa	ace Analytical Servi	ces - Kansas (	City
Associated Lab San	nples: 60462967001						
METHOD BLANK:	3616948		Matrix:	Solid			
Associated Lab San	nples: 60462967001						
			Blank	Reporting			
Paran	neter	Units	Result	Limit	Analyzed	Qualifiers	_
Total Solids		%	ND	0.10	10/23/24 14:44		
	TE: 2010040						
SAMPLE DUPLICA	TE: 3616949		60462913001	Dup		Max	
Paran	neter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	48.1	49.0	2	8	<u>⊣1</u>

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.



#### 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.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MO-Revised ReportPace 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		

			W0#:60462967
Pace	DC#_Title: ENV-FR	M-LENE-0009_Sar	
abaltingal services	Revision: 2	Effective Date: 01/12/2	00402307
Client Name: Ho	dges Farms a		
Courier: FedEx D UPS			Pace 🗆 Xroads 🗆 Client 🖉 " Other 🗆
Tracking #:		Pace Shipping Label Use	
Custody Seal on Cooler/Box		A	
Packing Material: Bubble	e Wrap 🗆 🛛 Bubble Bag	gs 🗆 🛛 Foam 🗆	None 🖌 Other 🗆
	2 <u>98</u> Type		
Cooler Temperature (°C): A	s-read <u>                                    </u>	actor 0. Correc	cted 18.0 Date and initials of person examining contents: KH KY
Temperature should be above freez	ing to 6°C		
Chain of Custody present:		Yes No N/A	
Chain of Custody relinquished:		Yes 🗆 No 🗇 N/A	
Samples arrived within holding t	ime:	Kes DNO DN/A	
Short Hold Time analyses (<7)	2hr):		
Rush Turn Around Time reque		Yes IN/A	7 1
Sufficient volume:	steu.		3 day rush
		1	
Correct containers used:			
Pace containers used:			
Containers intact:		Yes No N/A	
Jnpreserved 5035A / TX1005/10	006 soils frozen in 48hrs?	Yes No N/A	
Filtered volume received for diss	olved tests?		
Sample labels match COC: Date	/ time / ID / analyses	Yes No DN/A	ID on container is 10/21
Samples contain multiple phases	? Matrix: 3L	TYes No LIN/A	· · · · · · · · · · · · · · · · · · ·
Containers requiring pH preserva		□Yes □No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the
HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfi Exceptions: VOA, Micro, O&G, KS T			date/time added.
yanide water sample checks:	PH, OK-DRO) LO1	#:	
ead acetate strip turns dark? (Re		□Yes □No	
otassium iodide test strip turns b	blue/purple? (Preserve)	□Yes □No	
rip Blank present:		□Yes □No ₽Ń/A	
eadspace in VOA vials ( >6mm)		□Yes □No IN/A	
amples from USDA Regulated A	rea: State: MO	Yes No N/A	
ditional labels attached to 5035	A / TX1005 vials in the field	d? 🗆 Yes 🗆 No 🖻 N/A	
lient Notification/ Resolution:	Copy COC		Field Data Required? Y / N
erson Contacted:	Date/	Time:	
omments/ Resolution:			
oject Manager Review:		Date:	
		Euro.	

Qualtrax Document ID: 30468

Page 1 of 1

Pace Analytical

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody s a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Hodges Fams and Dredging     RecentTo: Aaron Gruenevelt/Jeff Hodges       501 N. West Street     Lelon, KS 66896       Eulon, KS 66896     Earner       0.00 bant/At;     Fams       0.00 bant/At;     Reavel       0.01 bant/At;     Reavel       0.01 bant     Reavel       0.02 bant/At;     Reavel       0.02 bant/At;     Reavel       0.01 bant/At;     Reavel       0.01 bant/At;     Reavel       0.01 bant/At;     Reavel	Required C	Required Client Information:	required Project Imonimation:	olecr IIII	011114441		5			NON	Invoice Imormation:	ation.										,			
Biology         Construction	Company:	Hodges Farms and Dredging	Report To: /	aron (	Gruene	wald/Jei	f Hodge	w		Attent	ion:										l				
1000000         10000000         10000000         100000000000000         10000000000000000000         1000000000000000000000000000000000000	ddress:	501 N. West Street	Copy To:							Сощр	any Nan	ne:						REGU	LATOR	Y AGE	NCY			in the	į.
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PM: RNB Due Date: 10/2 CLIENT: Hodges Farms

Qualtrax ID: 30422

DC#\_Ttite: ENV-FRM-LENE-0001 v07\_Sample Container Count Effective Date: 7/12/2024



# ANALYTICAL REPORT

Lab Number:	L2462435
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Ryan Brumfield (913) 307-6958
Project Name:	60462967
Project Number:	60462967
Report Date:	11/08/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



				Serial_No:	Serial_No:11082415:20
Project Number: Project Number:	60462967 60462967			Lab Number: Report Date:	L2462435 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



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**Project Name:** 60462967 **Project Number:** 60462967 Lab Number: L2462435 **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:

felly Meil Kelly O'Neill

Title: Technical Director/Representative

Date: 11/08/24



# INORGANICS & MISCELLANEOUS



Serial_No:	11082415:20
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Lab Number:	L2462435
Report Date:	11/08/24

SA	MPL	.E	RES	ULTS	5

Lab ID: Client ID: Sample Location:	L2462435-01 10-15 SMITHVILLE						,	Received:	10/15/24 16:00 10/26/24 Not Specified	)
Sample Depth: Matrix:	Solid					Dilation	Defe			
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab									
Density	1.14		SU	0.100		1	-	11/07/24 03:30	) 12,D1475	DEW



Project Name:

Project Number: 60462967

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Project Name:	60462967	Ĩ	Batch Quality Control	20	Lal	Lab Number:	L2462435	
Project Number:	60462967				Re	Report Date:	11/08/24	
arameter		Native Sample	Duplicate Sample	Units	RPD	RPD Qual	RPD Limits	

Lab Duplicate Analysis

Parameter	Native Sample	Duplicate Sample		Units	RPD	Qual	Qual RPD Limits	
General Chemistry - Westborough Lab Associated sample(s)	. 01	QC Batch ID: WG1994163-1 QC Sample: L2463760-01 Client ID: DUP Sample	QC Samp	ile: L246376(	0-01 Cli	ent ID: DU	JP Sample	
Density	1.01	1.01		SU	0			



60462967 Project Number: 60462967 Project Name:

Lab Number: L2462435 Serial\_No:11082415:20 Report Date: 11/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Absent Cooler ∢

**Container Information** 

Final Temp pH degC Pres Seal 4.4 Initial <sup>I</sup> Cooler pH F AN ∢ Glass 250ml/8oz unpreserved Container ID Container Type L2462435-01A

Absent ≻

DENSITY()

Analysis(\*)

Frozen Date/Time



# Serial\_No:11082415:20

# **Project Name:** 60462967

# Project Number: 60462967

# Lab Number: L2462435

# **Report Date:** 11/08/24

## GLOSSARY

#### Acronyms

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.



L2462435 11/08/24

Project Name:	60462967	Lab Number:
Project Number:	60462967	Report Date:

#### Footnotes

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

1

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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



# Project Name: 60462967

# Project Number: 60462967

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# **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.)



 Project Name:
 60462967

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 60462967

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 L2462435

 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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 Multi       Rush Multi       Number       Norkorder:       Subcontract	nich Chain	of Custody			PACE - KS	nx				(
orkorder: 60462967	al chall	formeno in		2				I		2000
port To	Workorder Name:		Rush Multiplier X Samples Pre-Logged into eCOC SMITHVILLE, MO	tto eCOC		State Of Origin: MO Cert. Needed: Ye Owner Received Date:	n: MO Yes red Date:	X No 10/22/2024	X No 10/22/2024 Results Requested Bv:	10/25/2024
an N Brimfold		50	0					Requested Analysis	Analysis	
Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665		Pace Analytical A 320 Forbes Blvd Mansfield, MA 0 Phone (508)822-	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300	ield			Vitensity			
					Preserved Containers	ntainers	Allu B			
Item Sample ID	Sample Type	Sample Collect Type Date/Time Lu	Lab ID	Matrix	pavasauduņ					LAB USE ONLY
10-15	PS	10/15/2024 16:00 60	60462967001	Solid	-		×			
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					/					
Cooler Temperature on Receipt	Receipt	°C Custo	Custody Seal Y	or N	Rec	Received on Ice	Ice Y or	z	Samples Intact Y	or N

Friday, October 25, 2024 10:26:45 AM

This chain of custody is considered complete as is since this information is available in the owner laboratory.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1 Page 24 of 27

Serial No:11082415:20

Sending Region

**Receiving Region** 

State of Sample Origin

Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

All questions should be addressed to sending project manager.

IR60-Kansas

S880

MO

INTER\_LABORATORY WORK ORDER # 60462967

Check Box for Consolidated Invoice

Receiving Project No:

REQUESTED COMPLETION DATE: 10/25/2024

Sending Project No 60462967

Date Prepared: 10/25/24

Ryan N. Brumfield

Hodges Farms & Dredging LLC

STD REPORT

(To be completed by sending lab)

		WORK I	REQUEST	ED			
Metho	d Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bu	ik Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA
pecial Requirements:	Report C, QC Limits (C),F	R Only no	EDD (0)	)			
	FOR ANALYTIC	AL WORK CO	OMPLETE	D THIS SECTIO	N ALSO		

Sending Project Mgr.

External Client

QC Deliverable

**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

Serial\_No:11082415:20

SHIP DATE 250CT24 ACTWOT 30 DLB MAN CAD 0456433/CAFE3808 DIMS: 0456433/CAFE3808 BILL SENDER	MANSFIELD	81 2957	Federation	SATURDAY 12:00P PRIORITY OVERNIGHT	01581 ma-us BOS	
ORIGIN ID IZOA (913) 559-5665 SHIPPING DEPARTMENT PACE 9608 LOIRET BLVD LENEXR, K5 662192406 UNITED STATES US	TO RECIEVING PACE ANALYTICAL MAN 8 WALLCUP DR	WESTBOROUGH MA 01581 (508) 898-9228 (508) 998-9228 REF: CB - 29 REF: CB - 29 REF: CB - 29		TRK# 4033 6452 0005	X0 BBFA	EXE W/TM MH464946664

-11 350 DX3 MUN HL

Serial_No:11082415:20		PAGE ANNUT THOMALES HIRV PAGE ANNUCY TICL LECTOR BILL TOO HORGROOSS US	TERB' 514 H	MAC		MPS	WITH EXP OWS III	
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Page 27 of 27



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,

Semper 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



# 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



## 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



# ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60464301

Sample: 11-7 Results reported on a "dry weigh	Lab ID: 6046			4 16:00			latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	89.7	%	0.50	1		11/11/24 16:31		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	10.3	%	0.10	1		11/11/24 16:31		



# **QUALITY CONTROL DATA**

Project:SMITHVILLE, MOPace Project No.:60464301						
QC Batch: 916003		Analysis Met	hod: SN	M 2540G		
QC Batch Method: SM 2540G		Analysis Des	cription: 25	40G Total Solids		
		Laboratory:	Pa	ace Analytical Serv	ices - Kansas	City
Associated Lab Samples: 604643010	001					
METHOD BLANK: 3626707		Matrix:	Solid			
Associated Lab Samples: 604643010	001					
		Blank	Reporting			
Parameter	Units	Result	Limit	Analyzed	Qualifiers	
Total Solids	%	ND	0.10	11/11/24 16:31		
SAMPLE DUPLICATE: 3626708						
		60464118001	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids	%	51.9	49.1	6	8	
SAMPLE DUPLICATE: 3626709						
		60464301001	Dup		Max	
Parameter	Units	Result	Result	RPD	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.



#### 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.



## 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		

		WO#:60464301
DC#_Title: ENV-FRM		ple
	ective Date: 01/12/2	022
Client Name: Hodges Tarms and Courier: FedEx UPS UPS VIA Clay D	PEX D ECID	- 11 - 7 Pace □ Xroads □ Client □ Other □
	ice Shipping Label Use	
Custody Seal on Cooler/Box Present: Yes D No	Seals intact: Yes	
Packing Material: Bubble Wrap  Bubble Bags	□ Foam □	None 🔽 Other 🗆
	of Ice: Wet Blue No	
Cooler Temperature (°C): As-read 13.7 Corr. Fac	tor <u>-0,1</u> Correc	ted 3.6 Date and initials of person examining contents: C J 11/1
Temperature should be above freezing to 6°C	1	
Chain of Custody present:		time/date not on
Chain of Custody relinquished:		container
Samples arrived within holding time:		
Short Hold Time analyses (<72hr):	□Yes 🖉No □N/A	
Rush Turn Around Time requested:	Yes DNO DN/A	
Sufficient volume:	Yes No N/A	
Correct containers used:	Yes No N/A	
Pace containers used:		
Containers intact:		
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?		
Filtered volume received for dissolved tests?		
Sample labels match COC: Date / time / ID / analyses		
Samples contain multiple phases? Matrix: SL		
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide)		List sample IDs, volumes, lot #'s of preservative and the date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# 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:		
Headspace in VOA vials ( >6mm):	Yes No N/A	
Samples from USDA Regulated Area: State: MO		
Additional labels attached to 5035A / TX1005 vials in the field Client Notification/ Resolution: Copy COC to		
		Field Data Required? Y / N
Person Contacted: Date/T Comments/ Resolution:	ime:	
Project Manager Review:	Date	

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Pace Analytical

# CHAIN-OF-CUSTODY / Analytical Request Document

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

60464301

Section A Required C	Section A Required Client Information:	Section B Required Project Information:	Section C	
Company:	Hodges Farms and Dredging	Report To: Aaron Gruenewald/Jeff Hodges	Attention:	Page: 1 of 1
Address:	501 N. Mest Street	Conv To:		
			Company Name:	
	Lehn KS RRRR			REGULATORY AGENCY
			Address;	
Email To:	Pullippound @housed	Burbert O day N		PDES I GROLIND WATER I DEMICAL WATER
	All uchewain un angesia. Com	Purchase Order No.	Pace Quote	
Phone: Q	Phone: 020.373 0745 Eav		Reference:	I UST I RCRA I OTHER
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26						SIGNATURE of SAMPLER:	of SAMPLE	Ë						DATE Signed (MMDD/YY):						meT		poleu:	-	elqme: V)

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Method     Method     Method     Method     Method     Method       Implementation     40mL Mouth     40mL Mouth     Method     Method     Method     Method       Implementation     40mL Mouth     40mL Mouth     Method     Method     Method     Method       Implementation     40mL Mouth     Method     Method     Method     Method     Method       Implementation     40mL Mouth     <	Area     Control	And     And     And     And     And     And       And     Ordin 10 ample vola     Ordin 10 ample vola     Ordin 10 ample vola     Ordin 10 ample vola       And     And     And     And     And     And     And       And <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td>+</td> <td>-</td> <td></td> <td></td> <td>1</td>												+	+	-			1
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Admit National     Admit National     Admit National     National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Mark     Admit National     Admit National       Admit National     Admit National     Mark     Admit National     Admit National       Admit National     Admit National     Mark     Admit National     Admit National       Admit National     Admit National     Mark     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admit National     Admit National       Admit National     Admit National     Admit National     Admi	Month     Main     Main     Main     Main       Admit     High     H     Month     H     H       Admit     High     H     H     H     H       Admit	Month     Control												$\uparrow$	-				1
dist       Ann Hotulate clear val       Ann Hotulate clear val       Adm HCI ander val     Class       1     40mL MeCH elear val     WGKU     Boz clear soli ar       1     40mL MeCH elear val     WGKU     Boz clear soli ar       1     40mL MeCH elear val     WGKU     Boz clear soli ar       1     40mL MeCH elear val     WGKU     Boz clear soli ar       1     40mL MeCH elear val     WGSU     4zz clear soli ar       1     40mL MeCH elear val     MGRU     Boz clear soli ar       1     40mL MeCH elear val     MGRU     Boz clear soli ar       1     40mL Ne     MeCH elear val     MGRU       1     40mL Ne     MeCH elear val     MGRU       1     40mL Ne     MeCH elear val     MGRU       40mL Ne     Addit     11 LASO4 amber glass     BP1U     11 LNOOP plastic       40mL upreserved clear val     Addit     11 LASO4 amber glass     BP2U     500mL HNO3 plastic       40mL upreserved clear val     Addit     11 LASO4 amber glass     BP2U     500mL MOCH plastic       250mL upreserved clear val     Addit     11 LASO4 amber glass     BP3U     500mL MOCH plastic       250mL upreserved clear val     Addit     11 LASO4 amber glass     BP3U <t< td=""><td>Mathematical control     Calast       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       40mL MCI clear vaal     AG1U     Hiler unpreserved     BPIN       1     1<!--</td--><td>Month Holl amber vola     Glass       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber vola     WCKU     Boz clear soil jar       i     40mL Month Holl amber volal     WCKU     Boz clear soil jar       i     40mL MSCO4 amber vial     UGCH     420 unpreserved       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     UGOML     HASO4       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     AGS1     1.1.HSO4 amber glass       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></t<>	Mathematical control     Calast       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa vaal     WCKU     Boz clear soli jar       1     40mL HCI amber voa     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     WCKU     Boz clear soli jar       1     40mL HCI amber vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       1     40mL HCI clear vaal     MCRU     Boz clear soli jar       40mL MCI clear vaal     AG1U     Hiler unpreserved     BPIN       1     1 </td <td>Month Holl amber vola     Glass       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber vola     WCKU     Boz clear soil jar       i     40mL Month Holl amber volal     WCKU     Boz clear soil jar       i     40mL MSCO4 amber vial     UGCH     420 unpreserved       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     UGOML     HASO4       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     AGS1     1.1.HSO4 amber glass       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11</td> <td></td>	Month Holl amber vola     Glass       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber volavial     WCKU     Boz clear soil jar       i     40mL Month Holl amber vola     WCKU     Boz clear soil jar       i     40mL Month Holl amber volal     WCKU     Boz clear soil jar       i     40mL MSCO4 amber vial     UGCH     420 unpreserved       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     UGOML     HASO4       i     40mL MSCO4 amber vial     UGOML     HASO4 plastic       i     40mL MSCO4 amber vial     AGS1     1.1.HSO4 amber glass       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     40mL MSCO4 amber glass     BP2N     500mL HNO3 plastic       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11.MSCO4 amber glass       i     11ter Unpreserved clear vial     AGS1     11																	
Image: constraint of the constr	Image: Constrained of the constrai	Glass       Class       Class         Admit bevialer clear vala       Class       Class       Plastic       Plastic       Plastic         1       40mL Nor-Inder vala       WG/V       8xx clear soil arr       875 r       11, MOP plastic       275 r       275 r         1       40mL Nor-Inder vala       MG/SU       8xx clear soil arr       871 r       11, MOP plastic       275 r         1       40mL Nor-Inder vala       MG/SU       4xx unpreserved amber vala       871 r       11, MOP plastic       275 r         1       40mL Amber vala       AG11       11, Na Thoia unbres amber vala       871 r       11, MOP plastic       27 r         1       40mL amber vala       AG11       11, Na Thoia unbres amber glass       871 r       11, MOP plastic       27 r         40mL MCI clear vala       AG11       11, Na Thoia unbres amber glass       872 r       500mL HNO3 plastic       27 r       27 r         1       40mL unpreserved clear vala       AG33 r       250mL HNO3 plastic       0								-					_				
Admit under clear vial domit under clear vial domit under clear vial domit Nector clear vial domit unpreserved domit Nector clear vial domit unpreserved domit unpreserved dear vial domit unpreserved dear vial domit unpreserved dear vial domit unpreserved dear vial domit unpreserved clear vial domit unpreserved plastic domit NOO plasti	Admit Hol amber volation       WGKU       Bas clear soil jar       BP1B       11, MOOH pissite       PF3       11, MOOH pissite       PF3       11, MOOH pissite       PF3       11, MOOH pissite       PF3       PF3       PF3       PF1       PF1       PF1       PF1       PF1       PF3       PF3       PF1       PF1       PF3       PF3       PF3       PF3       PF1       PF1       PF1       PF3       PF3 <th>Admit Hol amber volation         WGHU         Bas clear soil jar         BP1B         11, MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite</th> <th></th> <th></th> <th>Glass</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Plas</th> <th>tic</th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th></th> <th>11</th>	Admit Hol amber volation         WGHU         Bas clear soil jar         BP1B         11, MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite         PF3F         2600mL MOOH pissite			Glass						Plas	tic		-					11
multi-ki         WGFU         doc clear soli jar         BP16         11. HNOS plastic         SP51           40mL Mod Hear vial         VG2U         2oc clear soli jar         BP15         11. H2SO4 plastic         SP51           40mL Mar Tibi amber vial         JGFU         420 unpreserved         BP15         11. H2SO4 plastic         SP51           40mL Mar Tibi amber vial         JGFU         14. HCI amber glass         BP12         11. H2SO4 plastic         ZPLC           40mL Amber vial         AG1U         11. HCI amber glass         BP2B         500mL NAOH plastic         ZPLC           40mL Amber vial         AG1U         11. Iter unpreserved         BP12         11. MaOH plastic         ZPLC           40mL Lamber vial         AG1U         11. Iter unpreserved clear vial         AG1U         11. Iter UNO3 plastic         U           40mL Locar vial         AG1U         11. Iter unprese glass         BP2U         500mL H2SO4 plastic         ZPLC           40mL Locar vial         AG1U         11. Iter UNO3 amber glass         BP2U         500mL H2SO4 plastic         U           11. Iter H2SO4 clear glass         AG1U         11. Iter UNO3 amber glass         BP2U         500mL H2O1, ZP4 ellet         U           250mL H010         Interestored glass         BP2U	Image: Normer Additional Model and the factor of the fa	Image: Normer Control     Month Month Merch and and Month		lai	WGKU	802	clear soil jar		BP1B	11	NAOH nis	otio		ł		1.4.1	IN	sc.	
Worth West         Worth W	Number     WG2U     Zoc clear soil jar     BP1S     11. H2SO4 plastic     ZPLC       40mL H2SO4 amber vial     GG0U     402 unpreserved     BP1U     11. unpreserved plastic     ZPLC       40mL Na Thio amber vial     AG1H     11. HCI amber glass     BP2B     500mL MAOH plastic     ZPLC       40mL Na Thio amber vial     AG1H     11. HCI amber glass     BP2B     500mL MAOH plastic     ZPLC       40mL Na Thio amber vial     AG1U     100mL unores amber glass     BP2B     500mL HNO3 plastic     ZPLC       40mL Na Thio clear vial     AG1U     11ter Unpreserved     AG1U     11ter Unpreserved     ZeC     S00mL HNO3 plastic     ZPLC       40mL Unpreserved clear vial     AG1U     11ter Unpreserved glass     BP2U     500mL HNO3 plastic     U       11ter H2SO4 clear glass     A0mL Unpreserved glass     BP2U     500mL HNO3 plastic     U       11ter H2SO4 clear glass     AG32     250mL HDO3 amber glass     BP2U     250mL HNO3 plastic     U       250mL Unpreserved clear vial     AG32     250mL Unpreserved glass     BP3U     250mL HO3 plastic     MT       11ter H2SO4 clear glass     AG31     125mL unpreserved plastic     MT     MT       250mL Unprese clear glass     AG31     250mL unpreserved plastic     MT       11ter H2SO4 glasts	Image: constraint of the image of the im		vial	WGFU	40Z	clear soil jar		BP1N	11	HNO3 plas	stic		-0	5T	Wipe	/Swab	area No. TL	
Armt. Vor     Armer vial     OdF-U     42ct unpreserved amber vial     OdF-U     42ct unpreserved plastic     Armer vial       40mL HZO4 amber vial     AG1H     11. HCI amber vial     AG1H     11. HCI amber vial     AG1H     Armer vial       40mL Ma Thio amber vial     AG1H     11. HCI amber glass     BP2N     500mL NAO7 plastic     C       40mL Ma Thio clear vial     AG1U     11. HCI amber glass     BP2N     500mL NAO3 plastic     C       40mL MCI clear vial     AG1U     11ter unpres amber glass     BP2N     500mL NAO3 plastic     U       40mL MCI clear vial     AG1U     11ter unpres amber glass     BP2N     500mL NAO3 plastic     U       10ther H2SO4 clear vial     AG3U     500mL HNO3 amber glass     BP2N     500mL NAO3 plastic     U       10ther H2SO4 clear vial     AG3U     500mL Unpreserved clear vial     BP2N     500mL NAO4 plastic     N       10ther H2SO4 clear vial     AG3U     500mL unpres amber glass     BP3N     250mL Unpreserved plastic     N       10ther H2SO4 clear solisi     AG3U     100mL unpres amber glass     BP3N     250mL Unpreserved plastic     N       10ther Unpreserved glass     AG3U     100mL unpres amber glass     BP3N     250mL Unpreserved plastic     N       10cz clear glass     AG3U     100mL unpres amber gla	Nome     Use of the contract of the	MomL H2SG amber vial     0.97U (0.00L unores amber vial)     0.97U (0.00L unores amber glass)     0.000L unoreserved plastic     0.000L (0.00L unores glass)     0.000L unoreserved plastic     0.000L (0.00L unores glass)     0.000L unoreserved plastic     0.000L unores			WG2U	20Z			BP1S	11+	H2SO4 pla	astic		24	0	Zintor	- Ban	USOIU I PA LUIOSO	Iale
Numerical       Additional       Additional <td>Ident Na Thuo amber vial     Advol     Tuom. unores amber glass     BP1Z     It. NaOH, Zh Acetate     C       40mL Na Thuo amber vial     AG1H     1.1 LHGi amber glass     BP2B     500mL NAOH plastic     R       40mL Marce rule     AG1     1.1 LHGi amber glass     BP2D     500mL NAOH plastic     R       40mL Moreserved     AG1U     11ter unpreserved     AG1U     11ter unpreserved     AG1U     100mL HNO3 plastic     U       40mL Moreserved     AG1U     11ter unpreserved     AG1U     11ter unpreserved plass     BP2U     500mL HNO3 plastic     U       10mL Unpreserved     AG3U     500mL H2O3 amber glass     BP2U     500mL Unpreserved plastic     N       10mL Unpreserved clear vial     AG3U     500mL Unpres amber glass     BP2U     500mL NaOH, Zh Acetate     N       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3U     250mL NaOH, Acetate     M       10ter unpreserved plastic     AG3U     500mL unpres amber glass     BP3U     250mL NaOH, Zh Acetate     M       10ter unpreserved glass     BP3U     250mL NaOH, Zh Acetate     M     M       10ter unpreserved glass     BP3U     250mL NaOH, Zh Acetate     M     M       10to clear soli ar     10cc clear glass     BP3U     250mL NaOH, Zh Acetate     M   <td>Ident Na Thuo amber vial     Advol     100mL unoresameler glass     BP1Z     11L NaOH, Zh Acetate     C       40mL Na Thuo amber vial     AG1H     11. LHGi amber glass     BP2B     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1S     11. LHGi amber glass     BP2D     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1U     11ther unpreserved     AG1U     11ther unpreserved     AG1U     100mL HNO3 amber glass     BP2D     500mL HNO3 apstic     U       40mL Unpreserved clear vial     AG2N     500mL H2O4 amber glass     BP2U     500mL HNO3 plastic     U     U       10mL Unpreserved clear vial     AG2S     500mL H2O4 amber glass     BP2U     500mL NaOH plastic     N       10mL Unpreserved clear vial     AG2U     500mL Unpres glass     BP2U     500mL NaOH, Zh Acetate     N       250mL HCL Clear glass     AG3U     500mL Unpres glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16ter unpres glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16oc.</td><td></td><td>lot</td><td>JGFU</td><td>40Z</td><td></td><td>er wide</td><td>BP1U</td><td>111</td><td>unpreserve</td><td>ed plastic</td><td></td><td>AF</td><td>2</td><td>Air Fil</td><td>Iter</td><td></td><td></td></td>	Ident Na Thuo amber vial     Advol     Tuom. unores amber glass     BP1Z     It. NaOH, Zh Acetate     C       40mL Na Thuo amber vial     AG1H     1.1 LHGi amber glass     BP2B     500mL NAOH plastic     R       40mL Marce rule     AG1     1.1 LHGi amber glass     BP2D     500mL NAOH plastic     R       40mL Moreserved     AG1U     11ter unpreserved     AG1U     11ter unpreserved     AG1U     100mL HNO3 plastic     U       40mL Moreserved     AG1U     11ter unpreserved     AG1U     11ter unpreserved plass     BP2U     500mL HNO3 plastic     U       10mL Unpreserved     AG3U     500mL H2O3 amber glass     BP2U     500mL Unpreserved plastic     N       10mL Unpreserved clear vial     AG3U     500mL Unpres amber glass     BP2U     500mL NaOH, Zh Acetate     N       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3U     250mL NaOH, Acetate     M       10ter unpreserved plastic     AG3U     500mL unpres amber glass     BP3U     250mL NaOH, Zh Acetate     M       10ter unpreserved glass     BP3U     250mL NaOH, Zh Acetate     M     M       10ter unpreserved glass     BP3U     250mL NaOH, Zh Acetate     M     M       10to clear soli ar     10cc clear glass     BP3U     250mL NaOH, Zh Acetate     M <td>Ident Na Thuo amber vial     Advol     100mL unoresameler glass     BP1Z     11L NaOH, Zh Acetate     C       40mL Na Thuo amber vial     AG1H     11. LHGi amber glass     BP2B     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1S     11. LHGi amber glass     BP2D     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1U     11ther unpreserved     AG1U     11ther unpreserved     AG1U     100mL HNO3 amber glass     BP2D     500mL HNO3 apstic     U       40mL Unpreserved clear vial     AG2N     500mL H2O4 amber glass     BP2U     500mL HNO3 plastic     U     U       10mL Unpreserved clear vial     AG2S     500mL H2O4 amber glass     BP2U     500mL NaOH plastic     N       10mL Unpreserved clear vial     AG2U     500mL Unpres glass     BP2U     500mL NaOH, Zh Acetate     N       250mL HCL Clear glass     AG3U     500mL Unpres glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16ter unpres glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16oc.</td> <td></td> <td>lot</td> <td>JGFU</td> <td>40Z</td> <td></td> <td>er wide</td> <td>BP1U</td> <td>111</td> <td>unpreserve</td> <td>ed plastic</td> <td></td> <td>AF</td> <td>2</td> <td>Air Fil</td> <td>Iter</td> <td></td> <td></td>	Ident Na Thuo amber vial     Advol     100mL unoresameler glass     BP1Z     11L NaOH, Zh Acetate     C       40mL Na Thuo amber vial     AG1H     11. LHGi amber glass     BP2B     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1S     11. LHGi amber glass     BP2D     500mL NAOH plastic     C       40mL Marchen unpreserved     AG1U     11ther unpreserved     AG1U     11ther unpreserved     AG1U     100mL HNO3 amber glass     BP2D     500mL HNO3 apstic     U       40mL Unpreserved clear vial     AG2N     500mL H2O4 amber glass     BP2U     500mL HNO3 plastic     U     U       10mL Unpreserved clear vial     AG2S     500mL H2O4 amber glass     BP2U     500mL NaOH plastic     N       10mL Unpreserved clear vial     AG2U     500mL Unpres glass     BP2U     500mL NaOH, Zh Acetate     N       250mL HCL Clear glass     AG3U     500mL Unpres glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16ter unpres glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       250mL Unpres Clear glass     AG3U     500mL Unpres amber glass     BP3D     250mL NaOH, Zh Acetate     N       16oc.		lot	JGFU	40Z		er wide	BP1U	111	unpreserve	ed plastic		AF	2	Air Fil	Iter		
Image: Number of the number glass     BP2B     500mL MAOH plastic     R       40mL HCI clear vial     AG15     1.LH2SO4 amber glass     BP2N     500mL HNO3 plastic     U       40mL HCI clear vial     AG1     1.LB     I.INa Thiosuffact clear/amber glass     BP2N     500mL HNO3 plastic     U       40mL unpreserved clear vial     AG1     1/lifer unpres amber glass     BP2D     500mL HNO3 plastic     U       10mL unpreserved clear vial     AG2S     500mL HNO3 amber glass     BP2D     500mL NaOH plastic     U       11iter Unpres     AG3S     250mL Unpres glass     BP3D     250mL NaOH plastic     NT       250mL HOL2 Clear glass     AG3U     500mL unpreserved plastic     NT     S1       16oz clear soli jar     AG3U     500mL unpres amber glass     BP3N     250mL NO3 plastic     NT       16oz clear soli jar     AG4U     125mL unpres amber glass     BP3N     250mL NO3 plastic     NT       16oz clear soli jar     AG4U     125mL unpres amber glass     BP3N     250mL NO3 plastic     NT       16oz clear soli jar     AG4U     100mL unpres amber glass     BP3N     250mL NO3 plastic     NT       16oz clear soli jar     AG4U     125mL unpres amber glass     BP3N     250mL NO3 plastic     NT       16oz clear soli jar     AG4U	Image: Number of the number	Image: Note Number of the n		vial	AGUU	1001	nL unores amber	glass	BP1Z	11 V	NaOH, Zn	Acetate		U		Air Ca	assettes	0	
Internation       Internation	Internation     Admit     Heli clear vial     Admit     Hu Alian     H	Intervent     Month		ned			Cl amber glass	ð	BP2B	500	ImL NAOH	l plastic		R		Terra	core Ki		
Internation       AGUI       Internation of an internation of a construction of a constru	Inter Number     Inclusion     AG1U     Inclusion     Inclusion       40mL Var Thio. clear vial     AG1U     Inter unpresame glass     BP2U     500mL H2SO4 plastic       11iter H2SO4 clear vial     AG2S     500mL H2SO4 amber glass     BP2U     500mL unpreserved plastic       11iter Unpres     AG2S     500mL H2SO4 amber glass     BP2U     500mL NaOH, Zn Acetate       250mL H2SO4 amber glass     AG3S     250mL Unpreserved plastic     MT       250mL Unpreserved plastic     AG3U     250mL Unpreserved plastic     MT       11iter unpres     AG3U     250mL unpreserved plastic     MT       250mL Unpreserved plastic     BP3N     250mL UNO3 plastic     MT       1602 clear soli jar     AG3U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1602 clear soli jar     AG5U     100mL unpreserved plastic     MT       1704 flear unpreserved plastic     MV     MT     MT	Internation       AG1U       Intrastituce cleararamper glass       BP2S       500mL H2SO4 plastic         40mL unpreserved clear vial       AG1U       Ititer unpres       BP2U       500mL unpreserved plastic         11iter H2SO4 clear glass       AG2S       500mL H2SO4 amber glass       BP2Z       500mL unpreserved plastic         250mL ND       Ititer unpres       AG3S       250mL H2SO4 amber glass       BP3Z       500mL HNO3 plastic         250mL ND       AG3U       250mL unpres       AG3U       250mL unpreserved plastic       NT         250mL Unpres       AG3U       250mL unpres       BP3X       250mL HNO3 plastic       NT         160z clear glass       AG3U       250mL unpres       BP3X       250mL HNO3 plastic       NT         160z clear soil jar       AG4U       125mL unpres       AG5U       500mL unpreserved plastic       NH         160z clear soil jar       AG5U       100mL unpres       BP3X       250mL HNO3 plastic       NH         160z clear soil jar       AG5U       100mL unpres       AG5M       100mL unpreserved plastic       NH         160z flear soil jar       AG5U       100mL unpres       125mL HNO3 plastic       NH       NH         160z flear soil jar       AG5U       100mL unpres       100mL unpres						S		500	ImL HNO3	plastic		D		Sumn	na Can		
Inter H2SO4 clear vial       AG2N       500mL HNO3 amber glass       BP2U       500mL unpreserved plastic         11iter H2SO4 clear glass       500mL H2SO4 amber glass       BP2Z       500mL NaOH, Zh Acetate         11iter H2SO4 clear glass       AG2S       500mL Unpreserved glass       BP3Z       500mL NaOH, Zh Acetate         250mL HOL Clear glass       AG3U       500mL unpres amber glass       BP3K       250mL HNO3 plastic       MT         1602 clear glass       AG3U       250mL unpres amber glass       BP3N       250mL HNO3 plastic       MT         1602 clear soil jar       AG3U       100mL unpres amber glass       BP3N       250mL HNO3 plastic       MT         1602 clear soil jar       AG3U       100mL unpres amber glass       BP3N       250mL HNO3 plastic       NL         1602 clear soil jar       AG4U       125mL unpres amber glass       BP3N       250mL HNO3 plastic       NL         1602 clear soil jar       AG5U       100mL unpres amber glass       BP3N       250mL HNO3 plastic       NL         Momtur       AG4U       125mL unpreserved plastic       NL       NL       NL         Momtur       MP3U       100mL unpreserved plastic       NL       NL         Momtur       Momtur       100mL unpres amber glass       BP3N	Inter H2SO4 clear vial     Adml unpreserved clear vial     Adml unpreserved plastic       1 liter H2SO4 clear glass     500mL HNO3 amber glass     BP2Z     500mL NaOH, Zn Acetate       1 liter H2SO4 clear glass     AG3S     500mL H2SO4 amber glass     BP2Z     500mL NaOH plastic       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3F     250mL NaOH plastic       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3N     250mL NO3 plastic       1 liter unpres glass     AG3U     250mL unpres amber glass     BP3N     250mL NO3 plastic       1 liter unpres glass     AG3U     250mL unpres amber glass     BP3N     250mL NO3 plastic       1 liter unpres dreat glass     AG3U     100mL unpres amber glass     BP3N     250mL NO3 plastic       1 liter unpres dreat glass     BP3N     250mL unpreserved plastic     NAL       1 liter number     AG4U     125mL unpreserved plastic     NAPU       1 liter number     Inter number     114/24     Inter number	Inter H2SO4 clear vial     Adml unpreserved clear vial     Adml unpreserved plastic       1 liter H2SO4 clear glass     500mL HNO3 amber glass     BP2Z     500mL NaOH, Zn Acetate       1 liter H2SO4 clear glass     AG2S     500mL H2SO4 amber glass     BP2Z     500mL NaOH plastic       250mL HCL Clear glass     AG3U     250mL unpres glass     BP3H     250mL NaOH plastic       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3N     250mL NaOH plastic       1 liter unpres glass     AG3U     250mL unpres amber glass     BP3N     250mL NOO glastic       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3N     250mL NOO glastic       1 liter unpres drear glass     AG3U     105mL unpres amber glass     BP3N     250mL NOO glastic       1 liter unpres drear glass     BP3N     250mL unpreserved plastic     NAL       1 liter unpres     AG4U     125mL unpreserved plastic     NAPU       1 liter number     MO#     125mL unpreserved plastic     NAPU       1 liter number     Inter number     114/24     Inter number		rial	AG1U	1 liter	Innres amher di	ar/amber glass		500	mL H2SO	4 plastic	0.000						
H2SO4 clear glass     Gass     500mL H2SO4 amber glass     Dr.Zz     500mL NuOH, Zn Acetate       Unpres glass     AG2S     500mL H2SO4 amber glass     BP3F     250mL NuO9 plastic       nL HCL Clear glass     AG3U     250mL unpres amber glass     BP3F     250mL HNO3 plastic       nL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U     250mL HNO3 plastic     NrL       nL Unpres Clear glass     AG4U     125mL unpres amber glass     BP3U     250mL HNO3 plastic     NrL       nL Unpres Clear glass     AG4U     125mL unpres amber glass     BP3U     250mL HNO3 plastic     NrL       nL Unpres Clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL HNO3 plastic     NrL       nL Unpres Clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL HNO3 plastic     NrL       nL Unpres Clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL H2SO4 plastic     NrL       MO#     Du     100mL unpres amber glass     BP3U     125mL HNO3 plastic     NrL     Nr       number     Du     125mL unpreserved plastic     Nr     Nr     Du     Nr       number     Du     11/14/24     Du     100mL unpreserved plastic     Nr	H2SO4 clear glass       H2Z       500mL H2SO4 amber glass       BF2Z       500mL NuOH, Zn Acetate         Unpres glass       AG2S       500mL H2SO4 amber glass       BF3R       250mL NuO3 plastic         nL HCL Clear glass       AG3U       250mL unpres amber glass       BF3R       250mL NuO3 plastic         nL Unpres Clear glass       AG3U       250mL unpres amber glass       BF3N       250mL unO3 plastic       NrL         nL Unpres Clear glass       AG3U       250mL unpres amber glass       BF3N       250mL unO3 plastic       NrL         nL Unpres Clear glass       AG4U       125mL unpres amber glass       BF3N       250mL unpreserved plastic       NrL         nDm       AG5U       100mL unpres amber glass       BF3N       250mL unpreserved plastic       NrL         MD       4G5U       100mL unpres amber glass       BF3N       250mL NAOH, Zn Acetate       NrL         mL       MD       115mL unpreserved plastic       NrL       NrL       NrL         MD       100mL unpres amber glass       BF3N       250mL unpreserved plastic       NrL         MD       114/24       125mL unor served plastic       Nr       Nr         MM       1602 unpreserved plastic       Nr       Nr         MM       1602 unpresserved	H2SO4 clear glass       H2Z       500mL H2SO4 amber glass       BF2Z       500mL NuOH, Zn Acetate         Unpres glass       AG2S       500mL H2SO4 amber glass       BF3R       250mL NuO9 plastic         nL HCL Clear glass       AG3U       250mL unpres amber glass       BF3R       250mL HNO3 plastic         nL Unpres Clear glass       AG3U       250mL unpres amber glass       BF3N       250mL uno7 plastic         nL Unpres Clear glass       AG4U       125mL unpres amber glass       BF3N       250mL uno3 plastic       NuL         nL Unpres Clear glass       AG4U       125mL unpres amber glass       BF3N       250mL unpreserved plastic       NuL         nL Unpres Clear soil jar       AG5U       100mL unpres amber glass       BF3N       250mL unpreserved plastic       NuL         MD#       AG5U       100mL unpres amber glass       BF3N       250mL unpreserved plastic       NuL         mutpreserved plastic       Nu       125mL unpreserved plastic       Nu       Nu         mutpreserved plastic       100mL unpreserved plastic       Nu       Nu       Nu         mutpreserved plastic       100mL unpreserved plastic       Nu       Nu       Nu         mutpreserved plastic       11/14/24       1602 unpreserved plastic       Nu       Nu		ear viat	AG2N	ROOM	HNO3 amhor y	dool vince	DF20	002	m unpres	served plas	tic	┥					
Unpres glass     AG3S     250mL H2SO4 amber glass     Br3F     250mL HNO3 plastic - field filtered       nL HCL Clear glass     AG2U     500mL unpres amber glass     Br3T     250mL HNO3 plastic - field filtered       nL Unpres Clear glass     AG3U     250mL unpres amber glass     Br3U     250mL HNO3 plastic - field filtered       nL Unpres Clear glass     AG3U     250mL unpres amber glass     Br3U     250mL HNO3 plastic     NL       nL Unpres Clear glass     AG4U     125mL unpres amber glass     Br3U     250mL H2SO4 plastic     NL       AG5U     100mL unpres amber glass     Br3Z     250mL H2SO4 plastic     NL     NL       AG5U     100mL unpres amber glass     Br3Z     250mL H2SO4 plastic     NL     NL       MO#1     100mL unpres amber glass     Br3Z     250mL H2SO4 plastic     NP     NL       MO#1     100mL unpres amber glass     Br4U     125mL HNO3 plastic     NP       MO#1     100mL unpres amber glass     Br4U     125mL HNO3 plastic     NP       MD     be bate: 11/14/24     1162 unpresserved plastic     NP	unpres glass     AG3S     250mL H2SO4 amber glass     B3T     250mL NAOT pastice       nL HCL Clear glass     AG2U     500mL unpres amber glass     B73     250mL HNO3 plastic       nL Unpres Clear soil jar     AG3U     250mL unpres amber glass     B73     250mL unopreserved plastic       nL Unpres Clear soil jar     AG3U     250mL unpres amber glass     B73     250mL unpreserved plastic     NL       nL Unpres Clear soil jar     AG4U     125mL unpres amber glass     B73     250mL unpreserved plastic     NL       dear soil jar     AG5U     100mL unpres amber glass     B73     250mL NaOH, Zh Acetate     NP       AG5U     100mL unpres amber glass     B73     250mL NAOH, Zh Acetate     NP       MO     #550mL NaOH, Zh Acetate     WP     NP     125mL H2O3 plastic     NP       M     Due bate:     11/14/24     160z unpresserved plastic     NP     NP	Unpres glass     AG3S     250mL H2SO4 amber glass     B3T     250mL HNO3 plastic       nL HCL Clear glass     AG2U     500mL unpres amber glass     B73N     250mL HNO3 plastic       nL Unpres Clear soil jar     AG3U     250mL unpres amber glass     B73N     250mL HNO3 plastic       nL Unpres Clear soil jar     AG3U     250mL unpres amber glass     B73N     250mL unpreserved plastic     NL       clear soil jar     AG4U     125mL unpres amber glass     B73N     250mL H2SO4 plastic     NL       AG5U     100mL unpres amber glass     B73N     250mL NaOH, ZO4 plastic     NL       MO#     AG5U     100mL unpres amber glass     B73N     250mL NAOH, ZO4 plastic     NL       mutpreserved plastic     BP4U     125mL NO3 plastic     NL     NP       mutpreserved plastic     BP4U     155mL HNO3 plastic     NP       mutpreserved plastic     NPUU     16oz unpreserved plastic     NP		SS	AG2S	500	1L H2SO4 amber	dass	BP22 RP3R	250,0	mL NaOH	, Zn Acetat	e	T			Mat	trix	
IL HCL Clear glass     AG2U     500mL unpres amber glass     BP3U     250mL rhv03 plastic     WI       IL Unpres Clear soil jar     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       IL Unpres Clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       IL Unpres Clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       AG5U     100mL unpres amber glass     BP3Z     250mL NAOH, Zn Acetate     WN       MO#     BP4U     125mL unpreserved plastic     DW       MO#     100mL unpres amber glass     BP4U     125mL unpreserved plastic     DW       MO#     100mL unpres amber glass     BP4U     125mL unpreserved plastic     DW       MO#     100mL unpres amber glass     BP4U     125mL unpreserved plastic     DW	In HCL Clear glass     AG2U     500mL unpres amber glass     BP3U     250mL unbres leid miered     WI       IL Unpres Clear soil jar     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     NL       IL Unpres Clear soil jar     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     NL       IL Unpres Clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL unpreserved plastic     NL       AG5U     100mL unpres amber glass     BP3Z     250mL unpreserved plastic     NP       MO#     100mL unpres amber glass     BP3U     125mL NO3 plastic     NP       MO#     125mL MO3     125mL HNO3 plastic     NP       Mo     162 unpreserved plastic     DW       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24	In HCL Clear glass     AG2U     500mL unpres amber glass     BP3U     250mL unbreserved plastic     WI       IL Unpres Clear soil jar     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       IL Unpres Clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       IL Unpres Clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL unpreserved plastic     NI       AG5U     100mL unpres amber glass     BP3Z     250mL NAOH, Zh Acetate     NI       MO#     BP4U     125mL unpreserved plastic     NI       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24			AG3S	250n	1L H2SO4 amber	olass olass	RP3F	250	MI LINO	plastic E						0	
In Unpres Clear soil jar     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     Nucl       clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     Nucl       dear soil jar     AG5U     100mL unpres amber glass     BP3Z     250mL unpreserved plastic     Nucl       AG5U     100mL unpres amber glass     BP3Z     250mL unpreserved plastic     Nucl       MO#     BP4U     125mL unpreserved plastic     Nucl       MO#     BP4N     125mL unpreserved plastic     Nucl       MO#     100mL unpres amber glass     BP4U     125mL unpreserved plastic     Nucl       MO#     125mL unpreserved plastic     Nucl     162 unpreserved plastic     Nucl	In Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     Nuclear       clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     Nuclear       clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL NaOH, Zh Acetate     Nuclear       MO#     AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     Nuclear       MO#     BP4U     125mL unpreserved plastic     DW       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24	In Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U     250mL unpreserved plastic     Nuclear       clear soil jar     AG4U     125mL unpres amber glass     BP3U     250mL unpreserved plastic     Nuclear       clear soil jar     AG5U     100mL unpres amber glass     BP3U     250mL NaOH, Zh Acetate     Nuclear       MO#     AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     Nuclear       MO#     BP4U     125mL unpreserved plastic     DW       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24		SS	AG2U	500n	IL unpres amber	glass	BP3N	250	TH HNO3	plastic - Ile	and mereo			Water			
Clear soil jar     AG4U     125mL unpres amber glass     BP3S     250mL H2SO4 plastic     OL       AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       MO# : 60464301     BP4U     125mL unpreserved plastic     WP       Mo# : 11/14/24     Due Date: 11/14/24     11/14/24	Clear soil jar     AG4U     125mL unpres amber glass     BP3S     250mL H2SO4 plastic     OL       AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       MO# : 60464301     BP4U     125mL unpreserved plastic     WP       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24	Clear soil jar     AG4U     125mL unpres amber glass     BP3S     250mL H2SO4 plastic     OL       AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       MO# : 60464301     BP4U     125mL HN03 plastic     WP       PM: JLH     Due Date: 11/14/24     WPDU     16oz unpresserved plastic     DW		glass	AG3U	250n	1L unpres amber	glass	BP3U	250	m unbres	Served plac	tic	NA		Non	21100100	e liquid	
AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       MO#:60464301     BP4U     125mL unpreserved plastic     DW       MO#:11/14/24     Due Date: 11/14/24     125mL HN03 plastic     DW	AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       WO#: 304     100mL unpres amber glass     BP4U     125mL unpreserved plastic     WP       WP: 31H     Due Date: 11/14/24     11/14/24     125mL H2SO4 plastic     WP       Mot: and a fame     11/14/24     125mL H2SO4 plastic     WP	AG5U     100mL unpres amber glass     BP3Z     250mL NaOH, Zh Acetate     WP       MO#: 60464301     BP4U     125mL unpreserved plastic     WP       PM: JLH     Due Date: 11/14/24     UPDU     16oz unpresserved plastic     DW			AG4U	125n	nL unpres amber	glass	BP3S	250	mL H2SO	4 plastic		Ĉ			2dacon		
WPDU 1652 unpreserved plastic DW BP4N 125mL unpreserved plastic DW BP4S 125mL H2SO4 plastic WPDU 1652 unpresserved plastic	WO#: 50464301     BP4U     125mL unpreserved plastic     DW       WPDU     125mL HN03 plastic     DW       PM: JLH     Due Date: 11/14/24     UPDU     16oz unpreserved plastic	WO#: JCM     BP4U     125mL unpreserved plastic     DW       WO#: JLH     Due Date:     11/14/24     DW     125mL HN03 plastic       PM: JLH     Due Date:     11/14/24       PM: JLH     Due Date:     11/14/24			AG5U	100n	nL unpres amber	glass	BP3Z	250	mL NaOH,	Zn Acetat	e	N		Wipe			
WPDU 1602 Martic WPDU 1602 unpreserved platic	WD#: 50464301     BP4N     125mL HN03 plastic       PM: JLH     Due Date: 11/14/24     WPDU     16oz unpresserved plastic	WO#: 50464301BP4N125mL HN03 plasticBP4S125mL H2SO4 plasticPM: JLHDue Date: 11/14/24PM: JLHDue Date: 11/14/24							BP4U	1251	mL unpres	served plas	tic	D		Drinki	ng Wat	er	
WPDU WPDU WPDU WPDU	WPDU WALL Due Date: 11/14/24 WPDU WPDU	WPDU WPDU WPDU WPDU WPDU							BP4N	125	mL HNO3	plastic		H					
WO# . 001010101	PM: JLH Due Date: 11/14/24	PM: JLH Due Date: 11/14/24	Ū,	COR .	603	E			MPD1	1621	ML HZSU	4 plastic		Т					
	Hadree	and the second se		500.	750	1				1001	z unpresse	erved pistic		٦					
	Undrage	The Lease	1		Due Dat	e: 11/	14/24												

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# ANALYTICAL REPORT

Lab Number:	L2467110
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Jennifer Haley (913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	60464301
Report Date:	12/03/24

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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



Serial_No:12032413:07	Lab Number: L2467110 Report Date: 12/03/24	CollectionReceive DateDate/Time11/15/2411/07/2416:00	
	La Re	Colle Date/ 11/07	
		Sample Location Not Specified	
		Matrix SOLID	
	: SMITHVILLE, MO er: 60464301	Client ID 11-7	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2467110-01	





Project Name: SMITHVILLE, MO Project Number: 60464301

Lab Number: L2467110 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.

609 Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 12/03/24



# INORGANICS & MISCELLANEOUS



Serial_No:12032413:07
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Project Name: Proiect Number:
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L2467110	12/03/24
Lab Number:	Report Date:

tual RPD Limits	ID: DUP Sample	
RPD Qual	467109-01 Client	ო
mple Units	QC Sample: L2	SU
Duplicate Sample	QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample	1.24
Native Sample	10	1.20
Parameter	General Chemistry - Westborough Lab Associated sample(s):	Density



Project Name: SMITHVILLE, MO Project Number: 60464301

Serial\_No:12032413:07 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
L2467110-01A Plastic 250ml unpreserved

Final Temp PH deg C Pres Seal Dat 3.2 Y Absent

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DENSITY()

Analysis(\*)

Frozen Date/Time

Initial <sup>I</sup> Cooler pH F



\*Values in parentheses indicate holding time in days

# Project Name: SMITHVILLE, MO

Project Number: 60464301

# Lab Number: L2467110

# **Report Date:** 12/03/24

# GLOSSARY

#### Acronyms

Acronymo	
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.



#### **Project Name:** SMITHVILLE, MO

**Project Number:** 60464301

#### Lab Number: L2467110 **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 Waterpreserved 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

- Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in A 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).
- С - 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).
- Μ - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.



Project Number: 60464301

Serial\_No:12032413:07

Lab Number: L2467110

**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.)



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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

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Jennifer Haley Pace Analytical P 9608 Loiret Blvd. Lenexa, KS 662 Phone (913)599-	Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenaxa, KS 66219 Phone (913)599-5665		Pace 320 Fi Mansf Phone	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300	sfield	ć		Bulk Density	2				
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\*\*\*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.

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Samples Intact Y

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Custody Seal Y or

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**Cooler Temperature on Receipt** 

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Page 1 of 1

FMT-ALL-C-002rev.00 24March2009



Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

INTER_LABORATORY	WORK	ORDER	#	6046430
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(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	Send	ing Project	Mar		longite	
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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.

Thursday, November 14, 2024 9:38:52 AM



Page 15 of 15



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,

Semper 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



### SAMPLE SUMMARY

Project:SMITHVILLE, MOPace Project No.:60464302

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464302001		Solid	11/08/24 16:00	11/11/24 10:50



### 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



### ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60464302

Sample: 11-8	Lab ID: 6046			4 16:00			latrix: Solid	
Results reported on a "dry weigh Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	72.3	%	0.50	1		11/11/24 16:32		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	27.7	%	0.10	1		11/11/24 16:32		



### **QUALITY CONTROL DATA**

,	ITHVILLE, MO 64302						
QC Batch: 91	6003		Analysis Met	nod: SI	VI 2540G		
QC Batch Method: SI	M 2540G		Analysis Des	cription: 25	40G Total Solids		
			Laboratory:	Pa	ace Analytical Serv	rices - Kansas (	City
Associated Lab Samples	60464302001						
METHOD BLANK: 362	6707		Matrix:	Solid			
Associated Lab Samples	60464302001						
			Blank	Reporting			
Parameter		Units	Result	Limit	Analyzed	Qualifiers	
Total Solids		%	ND	0.10	11/11/24 16:31		
SAMPLE DUPLICATE:	3626708						
			60464118001	Dup		Max	
Parameter		Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	51.9	49.1	6	8	
SAMPLE DUPLICATE:	3626709						
			60464301001	Dup		Max	
Parameter		Units	Result	Result	RPD	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.



### 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.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MOPace 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		

		W0#:60464302
Pace Marriel stream Revision: 2	I-LENE-0009_Sam	
Client Name: <u>Hodges Farms</u> Qrc Courier: FedEx UPS VIA Clay D		
	ace Shipping Label Use	Pace □ Xroads □ Client □ Other □ d? Yes □ No □
Custody Seal on Cooler/Box Present: Yes D No	Seals intact: Yes [	
Packing Material: Bubble Wrap  Bubble Bags		None Other  Other
Cooler Temperature (°C): As-read 13.7 Corr. Fac	ctor <u>-0,1</u> Correc	ted 13.6 Date and initials of person examining contents: C T 11/1
Temperature should be above freezing to 6°C		
Chain of Custody present:	Yes No N/A	time/date not on
Chain of Custody relinquished:		container
Samples arrived within holding time:	ŹYes □No □N/A	Next I
Short Hold Time analyses (<72hr):	□Yes INo □N/A	
Rush Turn Around Time requested:	Yes No N/A	
Sufficient volume:	ŹYes □No □N/A	
Correct containers used:	Ares No N/A	
Pace containers used:		
Containers intact:		
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?		
Filtered volume received for dissolved tests?		
Sample labels match COC: Date / time / ID / analyses		
Samples contain multiple phases? Matrix: SL		
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide)		List sample IDs, volumes, lot #'s of preservative and the date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOTA 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:		
Headspace in VOA vials ( >6mm):	□Yes □No ☑N/A	
Samples from USDA Regulated Area: State: MO	□Yes ZNO □N/A	
Additional labels attached to 5035A / TX1005 vials in the field		
Client Notification/ Resolution: Copy COC t		Field Data Required? Y / N
Person Contacted: Date/ Comments/ Resolution:	Time:	
Project Manager Review:	Date	

Face Analytical

# CHAIN-OF-CUSTODY / Analytical Request Document

60444302

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

Section A Required C	Section A Required Client Information:	Section B Recultant Drated Information	-	Inform	- Contraction						ő	Section C	a																		
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	Lebo, KS 66856										Ad	Address;									4										
Email To:	agruenewald@hodgesfd.com	Purchase Order No.:	Inder N	lo.:							Pad	& Quote									T	Ĩ	NFOES	906	GROL	GROUND WATER	<b>ATER</b>	L	DRINKI	DRINKING WATER	æ
Phone: 0	920-373-8715 Fax	Project Name:		Smi	Smithville MO	MO					Page 1	Reference: Pace Project										UST	₋∣	h	RCRA			L	OTHER	~	
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	MADO		40mL	40mL MeOH clear vial	clear vi	<u>a</u>		-	WG2U		2oz clear soil jar	ar soil	ar			BF	BP1S	:=	H2SO.	1L H2SO4 plastic	0			2 IdZ		Zinloc Bag	L Coll	orm Na	I hiosulfa	ate
	0690		40ml H	40ml H2SOA amber vial	ambar	E loin		1	JGFU		4oz unpreserved	reserv	ed am	amber wide	e	BF	BP1U	7	unpres	1L unpreserved plastic	plastic			AF		Air Filter	ter			
	DG9T		40mL	40mL Na Thio amber vial	ambe	r vial			AG1H		11 HCI amber alass	unores	ambe	glass		B	BP1Z	11	NaOH	1L NaOH, Zn Acetate	etate			υ		Air Ca	Air Cassettes	s		
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	VG91		40mL	40mL Na Thio. clear vial	. clear	vial		-	AG1U		1liter unpres amber glass	pres a	mber g	lass	0		BP2U	500	JmL un	presen	500mL unpreserved plastic	stic		-						
	NGSU RG1S		40mL unpreserved clear vial	and a source	loar at	tear vit			AG2N	4.7	500mL HNO3 amber glass	HN03	amber	glass		BP	BP2Z	500	JmL N	JOH, ZI	500mL NaOH, Zn Acetate	fe					1			
	BG1U		1 liter un	11iter unnres place	ase a	000			AG20		DUUML	HZSO	ambe	SOUTH H2SO4 amber glass		B	38	250	UmL N	250mL NaOH plastic	astic						BM	Matrix		
	<b>BG3H</b>		250mL	250mL HCL Clear glass	lear gla	ass			AG2U	140	500ml unores amber glass	Innres	ambe	r glass		18	BP3F	25(		NO3 pl	250mL HNO3 plastic - field filtered	eld filter	Ted	۲.		Water				
	BG3U		250mL	250mL Unpres Clear glass	s Clear	glass		4	AG3U	C	250mL unpres amber glass	unpres	ambei	- diass			BP3U	250		250ml unneserved	250ml Innreened plastic	tic				DIOS		the second		
	WGDU		16oz cl	16oz clear soil jar	ar			-	AG4U	-	125mL unpres amber glass	unpres	ambei	glass		BP	BP3S	250	H	250mL H2SO4 plastic	lastic	2010				IIC	noanhi	OII		
								4	AG5U	-	100mL unpres amber glass	unpres	ambei	glass		BP	BP3Z	250	JmL Né	<b>10H, Zr</b>	250mL NaOH, Zn Acetate	e		WP		Wipe				
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Pace® Analytical Services, LLC

Page 1 of 1

Page 11 of 25



### 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

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:12032413:06	L2467109 12/03/24	Receive Date 11/15/24	
Serial_Nc	Lab Number: Report Date:	Collection Date/Time 11/08/24 16:00	
		Sample Location Not Specified	
		<b>Matrix</b> SOLID	
	SMITHVILLE, MO 60464302	<b>Client ID</b> 11-8	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2467109-01	





Project Name: SMITHVILLE, MO Project Number: 60464302 Lab Number: L2467109 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.

609 Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 12/03/24



### INORGANICS & MISCELLANEOUS



Serial_No:12032413:06	5
-----------------------	---

Project Name: Project Number:	SMITHVILLE, 60464302	MO							L2467109 12/03/24	
				SAMPLE	RESUL	rs				
Lab ID:	L2467109-01						Date (	Collected:	11/08/24 16:00	)
Client ID:	11-8						Date F	Received:	11/15/24	
Sample Location:	Not Specified						Field I	Prep:	Not Specified	
Sample Depth:										
Matrix:	Solid									
Parameter	Result C	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - We	stborough Lab									
ensity	1.20		SU	0.100		1	-	12/02/24 03:3	5 12,D1475	DEW



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Serial

SMITHVILLE, M	:: 60464302
Project Name:	Project Number:

Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2467109

 Report Date:
 12/03/24

Parameter	Native Sample	Duplicate Sam	Duplicate Sample Units	RPD	Qual	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	QC Sample: L24	467109-01 C	lient ID: 11	8-
Density	1.20	1.24	SU	e		



## Sample Receipt and Container Information

YES

### **Cooler Information**

Were project specific reporting limits specified?

Custody Seal	Absent
Cooler	4

## **Container Information**

Hd	NA
Cooler	A
Container Type	Plastic 250ml unpreserved
<b>Container ID</b>	L2467109-01A

Absent ≻ 3.2

DENSITY()

Analysis(\*)

Frozen Date/Time



Project Number: 60464302

### Lab Number: L2467109

### **Report Date:** 12/03/24

### GLOSSARY

### Acronyms

/ lor on yme	
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.



Project Number: 60464302

### Lab Number: L2467109

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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



Project Number: 60464302

Serial\_No:12032413:06

Lab Number: L2467109

**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.)



Project Name:SMITHVILLE, MOProject 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

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Thursday, November 14, 2024 10:10:07 AM

Page 1 of 1 Page 24 of 25

FMT-ALL-C-002rev.00 24March2009



Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300

INTER_LABORATORY WO	RK ORDER # 60464302
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(To be completed by sending lab)

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	Send	ing Project	Mar		In solution	
Receiving Region	S880		nal Client	wigh.		Jennifer	
State of Sample Origin	MO				Ho	odges Farms 8	Dredging LLC
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Requested Reportable Units	Report W	et or Dry Weig	ht? Dry We	sight 🔲 IRV	VO Lab Ne	ed to run?	Cert. Needed <u>NO</u>
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Method Description Bulk Density		Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
Bulk Dens	sity	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA
Special Requirements: <u>Repo</u>	ort C, QC Limits (C)	FR Only no	EDD (0)				STATING THAT
	FOR ANALYTI	CAL WORK C	OMPLETE	THIS SECTIO	NAISO		
Return Samples to Sending F		No			ALSO		
		DISPOSI	TION of FO	RM	12.50	-	

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.

Thursday, November 14, 2024 10:10:09 AM



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,

Semper 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



### SAMPLE SUMMARY

Project:SMITHVILLE, MOPace 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



### 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



### ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60464507

Sample: 11-12-24 Results reported on a "dry weigh	Lab ID: 6046 ht" basis and are adju		Collected: 11/12/2 rcent moisture, sa		Received: 11 ze and any dilu		latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	84.9	%	0.50	1		11/14/24 11:45		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	15.1	%	0.10	1		11/14/24 11:45		



### **QUALITY CONTROL DATA**

Project: SMITHVILLE, MO Pace Project No.: 60464507						
QC Batch: 916387		Analysis Met	hod: SN	M 2540G		
QC Batch Method: SM 2540G		Analysis Des	cription: 25	40G Total Solids		
		Laboratory:	Pa	ace Analytical Serv	ices - Kansas	City
Associated Lab Samples: 604645070	001					
METHOD BLANK: 3628176		Matrix:	Solid			
Associated Lab Samples: 604645070	001					
		Blank	Reporting			
Parameter	Units	Result	Limit	Analyzed	Qualifiers	
Total Solids	%	ND	0.10	11/14/24 11:43		
SAMPLE DUPLICATE: 3628177						
		60464454001	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids	%	35.4	35.2	1	8	
SAMPLE DUPLICATE: 3628178						
		60464471001	Dup		Max	
Parameter	Units	Result	Result	RPD	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.



### 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.



### 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
/-Pace	RM-LENE-0009_Sa	60464507
SHAUTICAL SERVICES Revision: 2	Effective Date: 01/12/2	LUZZ ISSUED BY. EUROPA
Client Name: Horaes Farms a	- Dredging - 1	11/12/24
Courier: FedEx 🗆 UPS 🗖 VIA 🗔 Clay 🗆		Pace 🗆 Xroads 🗆 Client 🖌 Other 🗆
Tracking #:	Pace Shipping Label Use	
Custody Seal on Cooler/Box Present: Yes D No	/	
Packing Material: Bubble Wrap  Bubble Ba		None 🗆 Other 🗆
	pe of Ice: Wet Blue No	
Cooler Temperature (°C): As-read 9.4 Corr.	Factor 0, Correc	eted 19, 4 Date and initials of person examining contents: C T
Temperature should be above freezing to 6°C		U
Chain of Custody present:	Øres □No □N/A	time/date not on container
Chain of Custody relinquished:		
Samples arrived within holding time:		
Short Hold Time analyses (<72hr):		
Rush Turn Around Time requested:	-1	
Sufficient volume:	58	
Correct containers used:	∏Yes □No □N/A	
Pace containers used:	Yes No N/A	
Containers intact:	Yes DNO DN/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	□Yes □No ĎN/A	
Filtered volume received for dissolved tests?	□Yes □No ØN/A	
Sample labels match COC: Date / time / ID / analyses	ŹYes □No □N/A	
Samples contain multiple phases? Matrix: S/		
Containers requiring pH preservation in compliance?		List sample IDs, volumes, lot #'s of preservative and the
(HNO₃, H₂SO₄, HCI<2; NaOH>9 Sulfide, NaOH>10 Cyanide)		date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LC Cyanide water sample checks:	DT#:	
Lead acetate strip turns dark? (Record only)	□Yes □No	
Potassium iodide test strip turns blue/purple? (Preserve)	□Yes □No	
Trip Blank present:		
Headspace in VOA vials ( >6mm):		
Samples from USDA Regulated Area: State: M(		
Additional labels attached to 5035A / TX1005 vials in the fie		
Different Manufert and the second second	C to Client? Y / N	Field Data Poquirod 2 V / N
Portoon Contentant	e/Time:	Field Data Required? Y / N
Comments/ Resolution:		
	1	
roject Manager Review:	Date:	

Face Analytical

## CHAIN-OF-CUSTODY / Analytical Request Document

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

60464507

Section	Section A	Section B	3	1					Section C	0 E												Ľ	Pade:	-	6	-	
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Company.		Report To: Aaron Gruenewald/Jeff Hodges	ron G	èruenew	ald/Jeff	Hodges			Attention:	÷								_									
Address:	501 N. West Street	Copy To:							Company Name:	лу Nar	iej							R	۲	TORY	REGULATORY AGENCY	5					
	Lebo, KS 66856								Address;	in								L	NPDES	S	GR	anno	GROUND WATER	Ľ	DRIN	DRINKING WATER	TER
Email To:	<u>agruenewald@hodgesfd.com</u>	Purchase Order No.	r No.:						Pace Quote Reference:	e: e:									UST	Breers.	RCRA	RA		L	OTHER	L L	
Phone:	920-373-8715 Fax:	Project Name:	لم الا	Smithville, MO	MO				Pace Pro Managel	yect .								ŝ	Site Location	ation				のの	Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantial Constantia		
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	Section D Valid Matrix Codes Required Client Information COL	odes cobE			8	COLLECTED	Ω	_			Pres	Preservatives	ves		1 N /A						_						
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	VGSU						8oz clear soil jar	4oz clear soil jar	ZOZ CIERT SOIL JAN	100mL uno	1L HCI amber glass	1L H2SO4 amber	11L Na Thiosultate	500mL HN	500mL H2	250mL H2	200mL unp	250mL unp				2	045001 Due Date: 11/18/24
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site Smithville MO	VG30C       VG30C       VG30C       VG30C       VG30C					Glas						ImL amber unpreserved					NUML HUL Ulear glass	oumL Unpres Clear glass	oz ciear soli jar			5V00	MO# : 904
. 00	VG30       PG3R       DG3R       DG3R       DG3R       DG3R       DG3R					Glas		vial	40mL MeOH clear Vial	vial		40mL amber unpreserved	40mL HCI clear vial 40mL Na Thio. clear vial	vial			ZOUML HUL Clear glass	1250mL Unpres Clear glass	1002 Clear Soli Jar			0000	Work Order Number: WO# : 6046

DC#\_Title: ENV-FRM-LENE-0001 v07\_Sample Container Count Effective Date: 7/12/2024 Pace® Analytical Services, LLC

Qualtrax ID: 30422

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Page 1 of 1

	Pace				LAB USE ONLY										tact Y or N
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KU VIU KA	Custody Rush Multiplier Samples Pre-Lue: SMITHVILLE,	Subcontract To	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300		Collect Date/Time Lab ID	11/12/2024 16:00 60464					Date/Time Re	10081 SIM	75:01 45/ 61 11		Cooler Temperature on Receipt °C Custody Seal
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	Internal Transfer Chain of Custody		Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665		Sample ID	24					Released By	Carner J	HEDE		Cooler Temperature on Receipt
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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.

FMT-ALL-C-002rev.00 24March2009



### 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

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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).

320 Forbes Boulevard, Mansfield, MA 02048-1806 508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Serial_No:12052413:26	L2467773 12/05/24	Receive Date 11/19/24	
Serial	Lab Number: Report Date:	Collection Date/Time 11/12/24 16:00	
		Sample Location Not Specified	
		<b>Matrix</b> SOLID	
	SMITHVILLE, MO r: 60464507	<b>Client ID</b> 11-12-24	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2467773-01	



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Project Name: SMITHVILLE, MO Project Number: 60464507 Lab Number: L2467773 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:

Cattlin Wallieht Caitlin Walukevich

Title: Technical Director/Representative

Date: 12/05/24



## INORGANICS & MISCELLANEOUS



Project Name: Project Number:	SMITHVILLE 60464507	, MO						lumber: rt Date:	L2467773 12/05/24	
				SAMPLE	RESUL	rs				
Lab ID: Client ID: Sample Location:	L2467773-01 11-12-24 Not Specified							Received:	11/12/24 16:00 11/19/24 Not Specified	)
Sample Depth: Matrix: Parameter	Solid Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
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Serial_N

SMITHVILLE, N	er: 60464507
Project Name:	Project Number:

Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2467773

 Report Date:
 12/05/24

General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample         Density       1.24       SU       3	arameter	Native Sample	Duplicate Sample	iple Units	RPD	Qual	Qual RPD Limits	
y 1.20 1.24	neral Chemistry - Westborough Lab Asso		): WG2003829-1	QC Sample: L24	67109-01	Client ID: DI	UP Sample	
	Density	1.20	1.24	SU	ς			



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

Custody Seal	Present/Intact	
Cooler	٨	

Container ID Container Type **Container Information** 

Plastic 250ml unpreserved L2467773-01A

Frozen Date/Time Present/Intact ≻ 5.4

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DENSITY()

Analysis(\*)



### Project Name: SMITHVILLE, MO

Project Number: 60464507

### Lab Number: L2467773

### **Report Date:** 12/05/24

### GLOSSARY

### Acronyms

Acronying	
DL	<ul> <li>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.)</li> </ul>
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	<ul> <li>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.</li> </ul>
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

Project Number: 60464507

### Lab Number: L2467773

Report Date: 12/05/24

### Footnotes

- 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 Waterpreserved 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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



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<sup>1</sup> 

### Project Name: SMITHVILLE, MO

Project Number: 60464507

Serial\_No:12052413:26

Lab Number: L2467773

**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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, Be

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, SM4500CI-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,

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.

		FUM 11						Cttt9h27	1773 Serial_No	Serial_No:12052413:26
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\*\*\*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.

Monday, November 18, 2024 2:34:00 PM

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FMT-ALL-C-002rev.00 24March2009



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,

Semper 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



### 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



### 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



### **ANALYTICAL RESULTS**

Project: SMITHVILLE, MO

Pace Project No.: 60464510

Sample: 11-11-24	Lab ID: 6046		Collected: 11/11/2				latrix: Solid	
Results reported on a "dry weigh Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	86.2	%	0.50	1		11/14/24 11:45		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	13.8	%	0.10	1		11/14/24 11:45		



### **QUALITY CONTROL DATA**

Project:SMITHVILLE, MOPace Project No.:60464510						
QC Batch: 916387		Analysis Met	hod: SN	M 2540G		
QC Batch Method: SM 2540G		Analysis Des	cription: 25	40G Total Solids		
		Laboratory:	Pa	ace Analytical Serv	ices - Kansas	City
Associated Lab Samples: 604645100	001					
METHOD BLANK: 3628176		Matrix:	Solid			
Associated Lab Samples: 604645100	001					
		Blank	Reporting			
Parameter	Units	Result	Limit	Analyzed	Qualifiers	
Total Solids	%	ND	0.10	11/14/24 11:43		
SAMPLE DUPLICATE: 3628177						
		60464454001	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids	%	35.4	35.2	1	8	
SAMPLE DUPLICATE: 3628178						
		60464471001	Dup		Max	
Parameter	Units	Result	Result	RPD	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.



### 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.



### 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		

с х -			WO#:60464510
Pace DC#_Title: ENV-FRM	1-LENE-000	9_San	
Revision: 2	ffective Date:	01/12/	2022   Issued By: Lenexa
Client Name: Hodges Farms 4	Dredgir		
Courier: FedEx UPS VIA Clay D			Pace Xroads Client Other
Tracking #:P	ace Shipping L		
Custody Seal on Cooler/Box Present: Yes D No	Seals inta		
Packing Material: Bubble Wrap  Bubble Bags	s 🗆 🛛 F	oam 🗆	None 🗐 🖉 Other 🗆
10 14 45	of Ice: Wet	Blue N	
	ctor	Corre	cted 19.4 CJ Date and initials of person examining contents: CJ ///
Temperature should be above freezing to 6°C 16.7			18.6
Chain of Custody present:	Yes DNc	□N/A	time/ date not on container
Chain of Custody relinquished:		□n/A	1
Samples arrived within holding time:	Yes No	□n/A	
Short Hold Time analyses (<72hr):	Yes VNo	□n/a	
Rush Turn Around Time requested:	Ves DNo	□n/a	
Sufficient volume:	Ves 🗆 No		
Correct containers used:	Yes INO		
Pace containers used:	Yes DNo		
Containers intact:	1		
	Yes No		
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	Yes No	DIN/A	
Filtered volume received for dissolved tests?	Yes No	ØN/A	
Sample labels match COC: Date / time / ID / analyses	PYes DNo	□n/A	
Samples contain multiple phases? Matrix: SL	Yes No	□n/A	
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide)	□Yes □No		List sample IDs, volumes, lot #'s of preservative and the date/time added.
(Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#			
Cyanide water sample checks: _ead acetate strip turns dark? (Record only)			
Potassium iodide test strip turns blue/purple? (Preserve)	□Yes □No □Yes □No		
Frip Blank present:		-	
leadspace in VOA vials ( >6mm):		INIA	·
21 101	Yes No	[]îN/A	
Samples from USDA Regulated Area: State: MO		□n/A	
Additional labels attached to 5035A / TX1005 vials in the field? Client Notification/ Resolution: Copy COC to		ØN/A	
Person Contacted: Date/T		IN	Field Data Required? Y / N
Comments/ Resolution:			

Project Manager Review:

Date:

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# CHAIN-OF-CUSTODY / Analytical Request Document (004んイズの

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PS       11/11/2024       16:00       60464510001       Solid       1       X       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N <t< td=""><td></td><td></td><td>pie (D</td><td>Sample Type</td><td>Collect Date/Time</td><td>Lab ID</td><td>Matrix</td><td>bevarendi</td><td></td><td></td><td></td><td></td><td>A BILLE OWLY</td></t<>			pie (D	Sample Type	Collect Date/Time	Lab ID	Matrix	bevarendi					A BILLE OWLY
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Date/Time     Received By     Comments       N/18     1500     200     200       V/18     1500     200     200       V/11     10     10     10       0     0     10     10       °C     Custody Seal Y or N     Received on Ice     Y or N	, or	0 4 39 19											
Date/Time     Received By     Date/Time     KS sample location: 6091-R2-S2B4       W/IS     W/IS     W/IS     W/IS     M/IS       W/IS     W/IS     W/IS     W/IS     M/IS       W/IS     W/IS     W/IS     W/IS     M/IS       W/IS     W/IS     W/IS     W/IS     W/IS	or											Comments	
will & 18 (800)     VELEX     No sample socaumit busi-K2-5284       will Aurolo 27     vill Aurolo 27     vill Aurolo 27       vC     Custody Seal Y or N     Received on Ice Y or N     Samples Intext Y or	or	Transfers	Released By		Date/Time	Received	By		Dat		Assessment of the state	and the short	
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and signature may not be provided on this COC document.

Monday, November 18, 2024 2:29:46 PM

FMT-ALL-C-002rev.00 24March2009

This chain of custody is considered complete as is since this information is available in the owner laboratory.

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### 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

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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).

320 Forbes Boulevard, Mansfield, MA 02048-1806 508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Serial_No:12052413:25	L2467776 12/05/24	Receive Date 11/19/24	
Serial_No	Lab Number: Report Date:	Collection Date/Time 11/11/24 16:00	
		<b>Sample</b> Location Not Specified	
		<b>Matrix</b> SOLID	
	SMITHVILLE, MO r: 60464510	Client ID 11-11-24	
	Project Name: Project Number:	<b>Alpha Sample ID</b> L2467776-01	



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Project Name: SMITHVILLE, MO Project Number: 60464510

Lab Number: L2467776 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:

Cattlin Wallieht Caitlin Walukevich

Title: Technical Director/Representative

Date: 12/05/24



# INORGANICS & MISCELLANEOUS



Serial_No:12052413:25	5
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Project Name: Project Number:	SMITHVILLE 60464510	, MO						lumber: rt Date:	L2467776 12/05/24	
				SAMPLE	RESUL	rs				
Lab ID:	L2467776-01						Date (	Collected:	11/11/24 16:00	)
Client ID:	11-11-24						Date I	Received:	11/19/24	
Sample Location:	Not Specified	ł					Field I	Prep:	Not Specified	
Sample Depth:										
Matrix:	Solid									
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - We	stborough Lab									
ensity	1.00		SU	0.100		1	-	12/02/24 03:3	5 12,D1475	DEW



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Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2467776

 Report Date:
 12/05/24

	e Sample	<b>Duplicate Sample</b>	Iple Units		Qual	RPD Qual RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 0	-	QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample	QC Sample: 1	-2467109-01 (	Client ID: DI	JP Sample
Density	1.20	1.24	SU	ო		



SMITHVILLE, MO Project Number: 60464510 Project Name:

Lab Number: L2467776 Serial\_No:12052413:25 Report Date: 12/05/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Present/Intact Cooler ∢

Container ID Container Type **Container Information** 

Plastic 250ml unpreserved L2467776-01A

Frozen Date/Time Present/Intact Final Temp pH degC Pres Seal ≻ 5.4 Initial <sup>I</sup> Cooler pH F

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DENSITY()

Analysis(\*)



Project Number: 60464510

# Lab Number: L2467776

# **Report Date:** 12/05/24

# GLOSSARY

#### Acronyms

Acronymo	
DL	<ul> <li>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.)</li> </ul>
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	<ul> <li>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.</li> </ul>
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.



Project Number: 60464510

# Lab Number: L2467776 Report Date: 12/05/24

Footnotes

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- 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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



Project Number: 60464510

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#### 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.)



Project Name:SMITHVILLE, MOProject 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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

376 Serial_No:12052413:25	X No Pacific Bounded Bur 1113/0024					LAB USE UNLT					Comments	AP-S2BA				Samilas Intrat V an V
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	State Of Origin: MO Cert. Needed:Yei Owner Received Date:		Viensity	Preserved Containers		>	<					Date/Time		11/11/24 10.27		Received on Ice Y
hr y	X ged into eCOC	at not a second	Mansfield 2048 9300	Preserv	Matrix	Solid						ed By	FUEX	1.S		Y or N
52/61/11	Custody Rush Multiplier X Samples Pre-Logged into eCOC e: SMITHVILLE, MO	Subcontract To	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300		Collect Lab ID	11/11/2024 16:00 60464510001						Date/11me Keceived By	W18 1800	11/10/24 10:27		Custody Seal
	r Chain of C	allel and a			Sample Co Type Da	PS 11/							The	2		ceipt °C
	al Transfe	0	Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone (913)599-5665		Sample ID	1-24					Relesced Bu	T	C - MAN	y tell		<b>Cooler Temperature on Receipt</b>
	Inter Workor	Report To	Jennifer Haley Pace Analytical M 9608 Loiret Blvd. Lenexa, KS 662 Phone (913)599-	-	Item Sam	1 11-11-24	2	m	4	5	Transfors		_	2	2	Cooler

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\*\*\*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.

Monday, November 18, 2024 2:29:46 PM

(	SHIP DATE: 18NOV24 CACTUG1: 15:00.LB MAU CADD: 0456433(CAFE3308 DIMS: 12x11x11x10 BILL SENDER BILL SENDER		UE - 19 NOV 10:309 PRIORITY OVERNIGHT 02048 na-us BOS	
	ORIGIN ID. IXON (913) 569-5665 BALE PPING DEPARTMENT BAGE LOIKET BLVD LENEXA, KS 652192406 UNITED STRIES US UNITED STRIES US PACE ALPHA PACE ALPHA 320 FORBES BOULEVARD	MANSFIELD MA 02048 (509) 822-9303 DEPT: CLIENT SERVICES III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	<b>NE PYMA</b>	



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,

Semper 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



# SAMPLE SUMMARY

Project:SMITHVILLE, MOPace Project No.:60464745

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60464745001		Solid	11/14/24 16:00	11/15/24 13:02



# 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



# ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60464745

Sample: 11-14-24 Results reported on a "dry weigh	Lab ID: 6046 ht" basis and are adju		Collected: 11/14/2 cent moisture, sa				latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	76.9	%	0.50	1		11/18/24 11:57		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	23.1	%	0.10	1		11/18/24 11:57		



# **QUALITY CONTROL DATA**

Project:	SMITHVILLE, MO						
Pace Project No.:	60464745						
QC Batch:	916815		Analysis Meth	nod: S	SM 2540G		
QC Batch Method:	SM 2540G		Analysis Dese	cription: 2	2540G Total Solids		
			Laboratory:	F	Pace Analytical Servi	ices - Kansas C	Sity
Associated Lab Sam	nples: 60464745001						
METHOD BLANK:	3630202		Matrix:	Solid			
Associated Lab Sam	nples: 60464745001						
			Blank	Reporting			
Param	neter	Units	Result	Limit	Analyzed	Qualifiers	_
Total Solids		%	ND	0.10	0 11/18/24 11:56		
SAMPLE DUPLICAT	TE: 3630203						
			60464561001	Dup		Max	
Param	neter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	3.4	3.4	4 1	8	
SAMPLE DUPLICAT	TE: 3630204						
			60464696001	Dup		Max	
Param	neter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	3.7	3.7	7 0	8	
SAMPLE DUPLICAT	TE: 3630205						
_			60464745001	Dup		Max	
Param	neter	Units	Result	Result	RPD	RPD	Qualifiers
Total Solids		%	23.1	23.0	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.



#### 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.



# 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
Pace DC#_Title: ENV-FRM-LE	NE-0009_Sample (	60464745
AVALYTICAL SERVICES Revision: 2 Effect	ive Date: 01/12/2022	Issued By: Lenexa
Client Name: Houges Farms J Dr	edging	
Courier: FedEx UPS VIA Clay PE	X 🗆 🛛 ECI 🗆 Pa	ce 🗆 Xroads 🗆 Client 🗗 Other 🗆
Tracking #: Pace	Shipping Label Used?	Yes 🗆 No 🕯
Custody Seal on Cooler/Box Present: Yes D No D	Seals intact: Yes 🗆	No d
Packing Material: Bubble Wrap  Bubble Bags	Foam 🗆	None 🗹 Other 🗆
Thermometer Used: <u>299</u> Type of lo		C C Date and initials of person
Cooler Temperature (°C): As-read <u>5.9</u> Corr. Factor	Corrected	<u>S. 6</u>
Temperature should be above freezing to 6°C		APIIIIS
Chain of Custody present:	Yes DNO DN/A	
Chain of Custody relinguished:		
Samples arrived within holding time:		
Short Hold Time analyses (<72hr):		
Rush Turn Around Time requested:		3 DAY TAT
Sufficient volume:		
Correct containers used:		
Pace containers used:		
Containers intact:		
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?		
Filtered volume received for dissolved tests?		
Sample labels match COC: Date / time / ID / analyses	Tes INO IN/A	
Samples contain multiple phases? Matrix:		
Containers requiring pH preservation in compliance? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:		t sample IDs, volumes, lot #'s of preservative and the e/time added.
Cyanide water sample checks:	□Yes □No	
Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)		
Trip Blank present:		
Samples from USDA Regulated Area: State:		
Client Notification/ Resolution: Copy COC to C	lient? Y / N	Field Data Required? Y / N
Person Contacted: Date/Tim Comments/ Resolution:	ne:	

Project Manager Review:

Date:

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# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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Section A Required Client Information:	Section B Required Project Information:	ormation:			Section C	C comation.								Page:	-	ď	-
Company: Hodges Farms and Dredging	Report To: Aaron	Report To: Aaron Gruenewald/Jeff Hodges	Hodges		Attention:						-						
Address: 501 N. West Street	Copy Ta:				Company Name	Name:					REG	ULATO	REGULATORY AGENCY	×			
Lebo, KS 66856					Address:						L	NPDES	L GRO	GROUND WATER	ATER L	DRINKING WATER	WATER
Email To: agruenewald@hodgesfd.com	Purchase Order No.:				Pace Quote Reference:						L	UST	F RCRA	4	۴.	OTHER	
Phone: 920-373-8715 Fax:	Project Name: S	Smithville, MO			Pace Project Manager:	tt					She	Site Location					State of the second
Requested Due Date/TAT: RUSH	Project Number.				Pace Profile	#					_	STATE:	l	MO			
								F	Re	queste	d Analy	sis Filte	Requested Analysis Filtered (Y/N)				
Section D Valid Matrix Codes Required Client Information MATRIX COI	(fiei)		COLLECTED		_	Pres	Preservatives	¶N/A			_			(MECHIC			
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SAMPLE ID WILL (A-Z, 0-9 / ,-) OTHER Sample IDs MUST BE UNIQUE TISSUE	CODE (800	9-9) 344		TEMP AT CO	NTAINERS 9176d			IC ISOT SIS	etals / Me		oebyours	sbild Britalis			eninolif.) Is		
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*Collect Fecal Coliform samples after 10:00am	- ALL-	Nicha	acg of	11 15/24	0:1	2		1	2	1		11-15	1302	258	20		
<ul> <li>For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing</li> </ul>				-													
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0 of 29			PRINT Name SIGNATURE	PRINT Name of SAMPLER: SIGNATURE of SAMPLER:	<i>N N</i>				DA	DATE Signed				dmeT	Receiv Receiv	Cooler Custody	elqma2 \Y)
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AdomL bisulfate clear vial     Glass       A domL bisulfate clear vial     WGKU     8oz clear soil jar     BP1B       A domL HCI amber voa vial     WGFU     4oz clear soil jar     BP1B       A domL HCI amber vial     WGFU     4oz clear soil jar     BP1B       A domL LSP amber vial     WGFU     4oz clear soil jar     BP1B       A domL ADCH clear vial     WGFU     4oz clear soil jar     BP1B       A domL Na Thio amber vial     MG1H     1L HCI amber wide     BP1Z       A domL Na Thio amber vial     AG1H     1L HCI amber glass     BP1Z       A domL Na Thio clear vial     AG1H     1L HCI amber glass     BP2N       A domL H2SO4 amber vial     AG1U     1liter unpreserved     BP2S       A domL H2SO4 amber vial     AG1U     1liter unpres amber glass     BP2S       A domL unpreserved     AG1U     1liter unpres amber glass     BP2S       A domL unpreserved clear vial     AG2N     500mL HNO3 amber glass     BP3Z       A domL unpreserved clear vial     AG3N     500mL HNO3 amber glass     BP3Z       A domL unpreserved clear vial     AG3N     250mL unpres amber glass     BP3Z       A domL unpreserved clear vial     AG3N     250mL unpres amber glass     BP3Z       A domL unpreserved clear vial     AG3N     250mL unpres amber glass     <		э.
Glass     Glass       v     40mL bisulfate clear vial     WGKU     8oz clear soil jar     BP18       v     40mL HCl amber voa vial     WGKU     8oz clear soil jar     BP18       v     40mL HCl amber voa vial     WGKU     8oz clear soil jar     BP18       v     40mL HCl amber voa vial     WGKU     8oz clear soil jar     BP18       v     40mL HCl amber vial     WG2U     2oz clear soil jar     BP18       v     40mL HCl amber vial     UGFU     4oz unpreserved amber vial     BP18       v     40mL H2SO4 amber vial     MG1H     11 MCl amber vial     BP12       v     40mL Ma Thio amber vial     AG11     11 HCl amber glass     BP28       v     40mL Ma Thio amber vial     AG11     11 LNa Thiosulfate clear/amber glass     BP20       v     40mL Unpreserved     AG11     11 LNa Thiosulfate clear/amber glass     BP20       v     40mL unpreserved     AG10     11 ther unpres     BP32       v     40mL Unpreserved     AG20     500mL HNO3 amber glass     BP31       v     A0mL Unpres     AG20     500mL Unpres     BP32       v     250mL Unpres     BP32     BP32       v     16oz clear glass     AG30     250mL unpres amber glass       v     25		
Glass       Class       A0mL bisulfate clear vial       WGFU       A0mL HCI amber voa vial       WGFU       A0mL HSP amber vial       MGEU       A0mL H2SO4 amber vial       A0mL LSP amber vial       A0mL LSP amber vial       A0mL LSP amber vial       A0mL LSP amber vial       A0mL LSO4 amber vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Lociear vial       A0mL Unpreserived clear		
Glass         Glass         A domL bisulfate clear vial       WGKU       Boz clear soil jar       BP1B         A domL MeOH clear vial       WGFU       4oz clear soil jar       BP1B         A domL MeOH clear vial       WGFU       4oz clear soil jar       BP1B         A domL MeOH clear vial       WGEU       2oz clear soil jar       BP1B         A domL MeOH clear vial       WG2U       2oz clear soil jar       BP1B         A domL MacNH clear vial       MGEU       40z unpreserved amber vial       BP1C         A domL Ma Thio amber vial       AG1H       11. HCl amber glass       BP2B         A domL amber unpreserved       AG1T       11. HCl amber glass       BP2C         A domL unpreserved       AG1U       11iter unpres amber glass       BP2C         A domL unpreserved       AG1U       11iter unpres amber glass       BP2C         A domL unpreserved clear vial       AG2U       500mL HNO3 amber glass       BP3C         11iter unpres glass       AG2U       500mL HNO3 amber glass       BP3C         11iter unpres glass       AG3U       500mL unpres amber glass       BP3C         11iter unpres glass       AG3U       250mL unpres amber glass       BP3C         250mL HCL clear glass		
40mL bisulfate clear vial     WGKU     8oz clear soil jar     BP1B       40mL HCl amber voa vial     WGFU     4oz clear soil jar     BP1N       40mL KCl amber voa vial     WGFU     4oz clear soil jar     BP1N       40mL TSP amber vial     WG2U     2oz clear soil jar     BP1S       40mL TSP amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL McOH clear vial     JGFU     4oz unpreserved amber wide     BP1U       40mL Ma Thio amber vial     AG1H     1L HCI amber glass     BP2B       40mL Ma Thio clear vial     AG1T     1L HCI amber glass     BP2N       40mL Ma Thio. clear vial     AG1T     1L H2SO4 amber glass     BP2N       40mL Na Thio. clear vial     AG1U     1liter unpres amber glass     BP2N       11iter H2SO4 clear glass     AG2N     500mL H2SO4 amber glass     BP3S       11iter Unpres glass     AG2N     500mL H2SO4 amber glass     BP3S       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3N       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3N       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3N       16oz clear soil jar     AG4U     100mL unpres amber glass     BP3N	Ni-4	
40mL HCl amber voa vial     WGFU     4oz clear soii jar     BP1N       40mL TSP amber vial     WG2U     2oz clear soii jar     BP1S       40mL TSP amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL TSP amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL Na Thio amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL Ma Thio amber vial     AG1H     1L HCl amber glass     BP2B       40mL Ma Thio clear vial     AG1T     1L HCl amber glass     BP2N       40mL Na Thio. clear vial     AG1U     1iter unpres amber glass     BP2N       40mL Na Thio. clear vial     AG1U     1iter unpres amber glass     BP2N       10mL Unpreserved clear vial     AG2N     500mL HNO3 amber glass     BP3B       11ter unpres glass     AG2N     500mL HNO3 amber glass     BP3F       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3C       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3N       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3S       16oz clear soil jar     AG4U     100mL unpres amber glass     BP3S		Misc.
40mL MeOH clear vial     WG2U     2oz clear soii jar     BP1S       40mL TSP amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL TSP amber vial     JGFU     4oz unpreserved amber wide     BP1U       40mL H2SO4 amber vial     JGFU     4oz unpreserved amber wide     BP1Z       40mL Na Thio amber vial     AG1H     1L HCI amber glass     BP2B       40mL Ma Thio amber vial     AG1S     1L H2SO4 amber glass     BP2N       40mL Ma Thio. clear vial     AG1U     1liter unpres amber glass     BP2N       40mL Na Thio. clear vial     AG1U     1liter unpres amber glass     BP2N       11iter H2SO4 clear glass     AG2N     500mL HNO3 amber glass     BP3B       11iter unpres glass     AG2N     500mL H2SO4 amber glass     BP3B       11iter unpres glass     AG3U     500mL unpres amber glass     BP3B       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3C       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3C		CDAT 120ml College No This life
40mL ISP amber vial     JGFU     4oz unpreserved amber vial     BP1U       40mL H2SO4 amber vial     AG0U     100mL unores amber glass     BP1Z       40mL Na Thio amber vial     AG1H     1L HCI amber glass     BP2B       40mL Ma Thio amber vial     AG1H     1L HCI amber glass     BP2B       40mL Marthio amber vial     AG1T     1L H2O4 amber glass     BP2B       40mL Ma Thio. clear vial     AG1U     11iter unpres amber glass     BP2N       40mL Unpreserved clear vial     AG1U     11iter unpres amber glass     BP2N       11iter H2SO4 clear glass     AG2N     500mL HXSO4 amber glass     BP3B       11iter Unpres glass     AG2N     500mL HXSO4 amber glass     BP3B       11iter unpres glass     AG3S     250mL HNO3 amber glass     BP3F       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3F       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     100mL unpres amber glass     BP3S		ZPLC Zinhor Ban
Admit         Factor         Addit         100mL unores amber glass         BP1Z           40mL         AdmL amber vial         AG1H         1L HCI amber glass         BP2B           40mL amber unpreserved         AG1         1L HCI amber glass         BP2B           40mL Mar Thio amber vial         AG1         1L HCI amber glass         BP2B           40mL Mar Thio. clear vial         AG1         1L HZO4 amber glass         BP2N           40mL Na Thio. clear vial         AG1U         1liter unpres amber glass         BP2U           10mL unpreserved clear vial         AG2N         500mL HNO3 amber glass         BP2U           11iter H2SO4 clear glass         AG2N         500mL HNO3 amber glass         BP3B           11iter unpres glass         AG3S         250mL HNO3 amber glass         BP3F           250mL HCL Clear glass         AG3U         250mL unpres amber glass         BP3F           16oz clear soil jar         AG4U         125mL unpres amber glass         BP3S           16oz clear soil jar         AG4U         100mL unpres amber glass         BP3S		
40mL amber unpreserved     AG15     1L H2SO4 amber glass     BP2B       40mL HCl clear vial     AG15     1L H2SO4 amber glass     BP2N       40mL HCl clear vial     AG10     1L H2SO4 amber glass     BP2N       40mL Unpreserved     AG10     1L H2SO4 amber glass     BP2N       40mL Unpreserved     AG10     1liter unpres amber glass     BP2U       1liter unpreserved clear vial     AG2N     500mL HNO3 amber glass     BP2U       1liter unpreserved clear vial     AG2S     500mL H2SO4 amber glass     BP3B       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3B       250mL HCL Clear glass     AG3U     250mL unpres amber glass     BP3U       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U		
A050     11. In 12-304 atmost glass     BP2N       A0mL HCI clear vial     AG1T     11. In a Thiosulfate clear/amber glass     BP2S       A0mL Na Thio. clear vial     AG1U     11 liter unpres amber glass     BP2U       A0mL unpreserved clear vial     AG2N     500mL HN03 amber glass     BP2U       11iter H2SO4 clear glass     AG2S     500mL H2SO4 amber glass     BP2U       250mL HCL Clear glass     AG3S     250mL unpres glass     BP3B       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3B       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U       16oz clear soil jar     AG5U     100mL unpres amber glass     BP3U		R Terracore Kit
40mL Na Thio. clear vial     AG1U     11iter untresamber glass     BP2U       40mL unpreserved clear vial     AG2N     500mL HNO3 amber glass     BP2U       11iter H2SO4 clear glass     AG2S     500mL HNO3 amber glass     BP2Z       11iter unpreserved clear vial     AG2S     500mL HNO3 amber glass     BP3B       250mL Unpres glass     AG3S     250mL H2SO4 amber glass     BP3B       250mL Unpres glass     AG3U     500mL unpres amber glass     BP3U       16oz clear glass     AG3U     250mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U		U Summa Can
40mL unpreserved clear vial     AG2N     500mL HNO3 amber glass     BP2Z       11iter H2SO4 clear glass     AG2S     500mL H2SO4 amber glass     BP3E       11iter unpres glass     AG3S     250mL H2SO4 amber glass     BP3E       250mL HCL Clear glass     AG3U     500mL unpres amber glass     BP3E       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U       AG5U     AG3U     250mL unpres amber glass     BP3U	500ml innrecented plastic	
11iter H2SO4 clear glass     AG2S     500mL H2SO4 amber glass     BP3B       11iter unpres glass     AG3S     250mL H2SO4 amber glass     BP3F       250mL HCL Clear glass     AG2U     500mL unpres amber glass     BP3N       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3N       16oz clear soil jar     AG4U     125mL unpres amber glass     BP3U       AG5U     AG3U     250mL unpres amber glass     BP3U       AG4U     125mL unpres amber glass     BP3S		
Iliter unpres glass         AG3S         250mL H2SO4 amber glass         BP3F           250mL HCL Clear glass         AG2U         500mL unpres amber glass         BP3N           250mL Unpres Clear glass         AG2U         500mL unpres amber glass         BP3N           16oz clear soil jar         AG4U         125mL unpres amber glass         BP3U           AG5U         AG3U         250mL unpres amber glass         BP3U           AG4U         125mL unpres amber glass         BP3S           AG5U         AG4U         125mL unpres amber glass         BP3S		Matrix
250mL HCL Clear glass     AG2U     500mL unpres amber glass     BP3N       250mL Unpres Clear glass     AG3U     250mL unpres amber glass     BP3U       1     16oz clear soil jar     AG4U     125mL unpres amber glass     BP3S       AG5U     100mL unpres amber glass     BP3S     BP3S		WT Water
IzbumL Unpres Clear glass         AG3U         250mL unpres amber glass         BP3U           J         16oz clear soil jar         AG4U         125mL unpres amber glass         BP3S           AG5U         100mL unpres amber glass         BP3Z         BP3Z		
1002 clear soll jar AG4U 125mL unpres amber glass BP3S BP3S BP3Z BP3Z		_
100mL unpres amber glass BP3Z		
		WP Wipe
		DW Drinking Water
BP4N 125mL F BP4S 125mL H	125mL HNO3 plastic	

Qualtrax ID: 30422

Pace® Analytical Services, LLC

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									11/22/11	124	7	11/22/24 12468793		0
Inte	fer	Chain o		Rush Multiplier X Samples Pre-Logged into eCOC	x x	0 eCOC		State Of Origin Cert. Needed: Owner Receiv	State Of Origin: MO Cert. Needed: 7e Owner Received Date:	Yes te:	X No	X No 11/15/2024 Results Requested By:	quested By:	Pace 12/3/2024
Worl	ler: 60464745	Workorder Name:	No.	SMITRVILLE, MO					H		Request	Requested Analysis		T
Jennifer H Pace Ana 9608 Loin	Report to Jennifer Haley Pace Analytical Kansas 9608 Loiret Blvd.		Pace 320 Man	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300	Mansfiel 1 02048 -9300	p								
Phon	Lenexa, KS 66219 Phone (913)599-5665								viisne0 alu					
						4	Preserve	Preserved Containers	П	_				
		Sample	Collect Date/Time	Lab ID		Matrix	peurstuduj		_				_	LAB USE ONLY
Item 1	11-14-24 - OI	PS	11/14/2024 16:00	_		Solid	-		×	-				
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			Date/Time		Received By			Date	Date/Time	KS sar	nole locatio	KS sample location: 6091:24-S2B2		
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S	<b>Cooler Temperature on Receipt</b>	sceipt	2	Custoay sear	cai -	5				100	the month	dad an this CO	C document.	
Ul	***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on the owner laboratory. This chain of custody is considered complete as is since this information is available in the owner laboratory.	confidentiality	y, location/nai mplete as is s	me of the s since this in	sampling	g site, sai ion is ava	mpler's n ilable in	ame and the owner	signature i laboratory	may not	inoid an			

Thursday, November 21, 2024 11:24:36 AM

FMT-ALL-C-002rev.00 24March2009

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Page 1 of 1

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)

60464745	Sending Project No:
	Receiving Project No.
	Check Box for Consolidated Invoice:
11/21/24	Date Prepared
12/3/2024	REQUESTED COMPLETION DATE:

 Sending Region
 IR60-Kansas
 Sending Project Mgr.
 Jennifer Haley

 Receiving Region
 \$880
 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

Met	hod Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
	Bulk Density	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region: Yes X 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.



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# ANALYTICAL REPORT

Lab Number:	L2468993
Client:	Pace Analytical Services Inc 9608 Loiret Blvd. Lenexa, KS 66219
ATTN: Phone:	Jennifer Haley (913) 307-6958
Project Name:	SMITHVILLE, MO
Project Number:	6046475
Report Date:	12/03/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:12032415:26	Lab Number: L2468993 Report Date: 12/03/24	on ne Receive Date	11/22/24	
	Lab N Repor	Collection Date/Time	11/14/24 16:00	
		Sample Location	Not Specified	
		Matrix	SOLID	
	SMITHVILLE, MO r: 6046475	Client ID	11-14-24	
	Project Name: Project Number:	Alpha Sample ID	L2468993-01	



Project Name: SMITHVILLE, MO Project Number: 6046475 Lab Number: L2468993 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.

609 Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 12/03/24



# INORGANICS & MISCELLANEOUS



Serial_No:12032415:26
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Project Name: Project Number:	SMITHVILLE, MO 6046475						lumber: rt Date:	L2468993 12/03/24	
			SAMPLE	RESUL	rs				
Lab ID: Client ID: Sample Location:	L2468993-01 11-14-24 Not Specified							11/14/24 16:00 11/22/24 Not Specified	)
Sample Depth: Matrix: Parameter	Solid Result Qualifi	er Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab								
Density	1.10	SU	0.100		1	-	12/02/24 03:3	5 12,D1475	DEW



5:26
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No:12
Serial_

SMITHVILLE, MO	er: 6046475
Project Name:	<b>Project Number:</b>

Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2468993

 Report Date:
 12/03/24

Parameter	Native Sample	<b>Duplicate Sample</b>	iple Units	RPD	Qual	RPD Qual RPD Limits
General Chemistry - Westborough Lab Associated sample(s):	01	WG2003829-1	QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample	67109-01 CI	ient ID: DI	UP Sample
Density	1.20	1.24	SU	ი		



SMITHVILLE, MO Project Number: 6046475 Project Name:

Lab Number: L2468993 Serial\_No:12032415:26 Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Present/Intact Cooler ∢

Container ID Container Type **Container Information** 

Plastic 250ml unpreserved L2468993-01A

Frozen Date/Time Present/Intact Final Temp pH degC Pres Seal ≻ 3.9 Initial <sup>I</sup> Cooler pH F

AN

∢

DENSITY()

Analysis(\*)



\*Values in parentheses indicate holding time in days

Project Number: 6046475

# Lab Number: L2468993

# **Report Date:** 12/03/24

#### GLOSSARY

#### Acronyms

/ lor onlyino	
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.



Project Number: 6046475

# Lab Number: L2468993 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 Waterpreserved 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, 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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.



Project Number: 6046475

Serial\_No:12032415:26

Lab Number: L2468993

**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.)



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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

-72
57
1203
Sol N
Serial

It / 12/24     234.8393       State Of Origin: MO     State Of Origin: MO       Cert. Needed:     Yes       Cert. Needed:     Yes       Owner Received Date:     11/15/2024 Results Requested By: 12/3/2024       Mo     Requested Analysis			Comments	Date/Time KS sample location: 6091:24-S2B2
blier X e-Logged into eCOC LE, MO iylical Mansfield ss Blvd 08)822-9300	Sample Collect Lab ID Matrix			X N/21, XYCD FEDEX
Internal Transfer Chain of Custody         Nutrition       Rush Mutrition         Report To       Samples Proceeded         Report To       Subcontract To         Report To	cample ID	em aampre to 11-14-24 - O\	5 4	Transfers Released By

\*\*\*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.

Thursday, November 21, 2024 11:24:36 AM

Page 1 of 1 FMT-ALL-C-002rev.00 24March2009 Page 27 of 29

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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)

60464745	Sending Project No:
	Receiving Project No.
	Check Box for Consolidated Invoice:
11/21/24	Date Prepared
12/3/2024	REQUESTED COMPLETION DATE:

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

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

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Return Samples to Sending Region; Yes X 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.

SHIP DATE: 21NOV24 ACTNGT: 15.00 LB MAN GAD: 0456433/CAFE3808 DIMS: 12×11×10 1N ORIGIN ID IXDA (913) 559-5665 SHIPPING DEPARTMENT PACE 9608 LGIRET BLVD LENEXA, KS 662192406 UNITED STATES US BILL SENDER 1 585C8/3903/C6C4 SAMPLE RECEIVING TO PACE ALPHA 320 FORBES BOULEVARD MANSFIELD MA 02048 REF: CB - 4821 (508) 822-9300 DEPT: CLIENT SERVICES FedEx 1241023112201426 FRI - 22 NOV 10:30A PRIORITY OVERNIGHT TRK# 4033 6453 1572 02048 E PYMA MA-US BOS Part # 156148-434HM MTW EXP 07/25 \$

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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,

Semper 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



## 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



## SAMPLE ANALYTE COUNT

Project: SMITHVILLE, MO Pace Project No.: 60464821

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60464821001		ASTM D2974	DWC	1	PASI-K
		SM 2540G	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City



## ANALYTICAL RESULTS

Project: SMITHVILLE, MO

Pace Project No.: 60464821

Sample: 11-15-24 Results reported on a "dry weigh	Lab ID: 6046 ht" basis and are adju		Collected: 11/15/2 rcent moisture, sa		Received: 11 ze and any dilu		latrix: Solid	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Meth Pace Analytical							
Percent Moisture	74.4	%	0.50	1		11/18/24 16:44		
2540G Total Percent Solids	Analytical Meth Pace Analytical							
Total Solids	25.6	%	0.10	1		11/18/24 16:44		



## **QUALITY CONTROL DATA**

ITHVILLE, MO						
164821						
16894		Analysis Meth	nod: Sl	VI 2540G		
M 2540G		Analysis Dese	cription: 25	540G Total Solids		
		Laboratory:	Pa	ace Analytical Servi	ces - Kansas C	City
s: 60464821001						
30381		Matrix:	Solid			
s: 60464821001						
		Blank	Reporting			
r	Units	Result	Limit	Analyzed	Qualifiers	
	%	ND	0.10	11/18/24 16:44		_
3630382						
		60464816001	Dup		Max	
r	Units	Result	Result	RPD	RPD	Qualifiers
	%	27.2	27.3		8	
	30381 s: 60464821001 or	464821 16894 SM 2540G s: 60464821001 30381 s: 60464821001 or Units % 3630382 or Units	464821       Analysis Meth         16894       Analysis Desc         1M 2540G       Analysis Desc         1S:       60464821001         30381       Matrix:         s:       60464821001         br       Units         3630382       60464816001         br       Units         60464816001         Result	464821       Analysis Method:       SI         16894       Analysis Description:       25         1M 2540G       Analysis Description:       25         1S:       60464821001       Blank       Reporting         30381       Matrix:       Solid         s:       60464821001       Blank       Reporting         or       Units       Blank       Reporting         3630382       ND       0.10         or       Units       60464816001       Dup         or       Units       Result       Result	464821 16894 Analysis Method: SM 2540G Analysis Description: 2540G Total Solids Laboratory: Pace Analytical Servi s: 60464821001 s: 60464821001 br Units Blank Reporting Result Limit Analyzed ND 0.10 11/18/24 16:44 3630382 or Units Result RPD	464821 16894 Analysis Method: SM 2540G Analysis Description: 2540G Total Solids Laboratory: Pace Analytical Services - Kansas C s: 60464821001 30381 Matrix: Solid s: 60464821001 br Units Blank Reporting Result Limit Analyzed Qualifiers % ND 0.10 11/18/24 16:44 3630382 or Units 60464816001 Dup Max Result RPD RPD

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.



## 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.



## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:SMITHVILLE, MOPace 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		

			104.004040
HACE'	DC#_Title: ENV-FRM-	LENE-0009_Sam	
Client Name: Ho			522 55454521
Courier: FedEx UPS	lges Farms □ VIA□ Clay□	PEX 🗆 ECI 🗆	Pace 🗆 Xroads 🗆 Client 🔽 Other 🗆
Tracking #:	,	ce Shipping Label Use	
Custody Seal on Cooler/Box		Seals intact: Yes	,
	e Wrap 🗆 🛛 Bubble Bags 🛛		None 🖵 🛛 Other 🗆
Thermometer Used: 12	78 Туре о	fice: Wet Blue	
Cooler Temperature (°C): A	s-read <u>9.4</u> Corr. Fact	tor <u>-0, /</u> Correc	ted 9, 3 Date and initials of person examining contents: CJ 11/12
Temperature should be above freez	ting to 6°C		/
Chain of Custody present:		Yes No N/A	· time / date not on Container
Chain of Custody relinquished:		Yes No N/A	Container
Samples arrived within holding	time:	Yes No N/A	
Short Hold Time analyses (<7	2hr):	□Yes ZNo □N/A	
Rush Turn Around Time requ	ested:	□Yes ZNo □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 / TX1005/1	006 soils frozen in 48hrs?	Yes No AA	
Filtered volume received for dise	solved tests?		
Sample labels match COC: Date		Yes No N/A	
Samples contain multiple phase	0.1		14 (14 (14 (14 (14 (14 (14 (14 (14 (14 (
Containers requiring pH preserv			List sample IDs, volumes, lot #'s of preservative and the
(HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCI<2; NaOH>9 Sul	- · ·		date/time added.
(Exceptions: VOA, Micro, O&G, KS Cyanide water sample checks:	TPH, OK-DRO) LOT#:		
Lead acetate strip turns dark? (F	• /	□Yes □No	
Potassium iodide test strip turns	blue/purple? (Preserve)	Yes No	
Trip Blank present:		Yes No N/A	
Headspace in VOA vials ( >6mm	1):		
Samples from USDA Regulated	Area: State: MO	□Yes ☑No □N/A	
Additional labels attached to 503			
Client Notification/ Resolution Person Contacted:			Field Data Required? Y / N
Comments/ Resolution:	Date/T	inie:	
Project Manager Review:		Date	· · · · · · · · · · · · · · · · · · ·

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# CHAIN-OF-CUSTODY / Analytical Request Document GO4QAS2/The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Clie	Section A Required Client Information:		Section B Required Project Information:	Section C Involues Information	Page: 1 of 1
Company:	Hodges Fame	Hodges Farms and Dredging	Report To: Aaron Gruenewald/Jeff Hodges	Attention:	
Address:	501 N Mact Straat	Stract	Capit To:		
	10044 11 100	10010		Company Name:	REGIII ATORY ACENCY
	Inho KC GCOGO	00			
	LEUU, NJ 0000	8		Address:	T NPDES T GPOLIND WATED T PRINTARC WATER
Email To	Planenoinne	Shedened and			
	anneliewalula	auruenewalu(@IIOUQESIG.COM	Turkitase Order No.:	Pace Quorie Beferennes	
Phone: 020	Phone: 020.272.9715	Fav.			502
170			FINISCURATING STRETTVILLE, MO	Pace Project Manaoer	Site Location
Requested D	Requested Due Date/TAT-	RUSH			
				Pace Profile #.	STATE- MO

										1						ŀ				4							Real Property	NUMBER OF
																		Requi	ested	Ana	Requested Analysis Filtered (Y/N)	Filter	ed (Y	(N	12		1000	1811-21
	Section D Valid Matrix Codes Required Client Information <u>MATRIX</u> COL	rix Codes CODE	(89) 0)	_			COLL	COLLECTED					Prese	Preservatives	SS SS		TN/A											
		TER DW WT WW SC SC WW WF OL	see valld codes			COM POSITE START	START	COMPOSITE	SITE	OLLECTION	s									S		ateM pris			(N/A)			
	QUE		CODE (							D TA 9M9T	BARNIATU	nevie					tesT eis M \ alste	u		osbyours	shil		vtisu	(no)	eninold) I			
# МЭТІ			KIATAM	SAMPLE	-	DATE	TIME	DATE	TIME	3.19MA2		H <sub>2</sub> SO4	HCI HNO <sup>3</sup>	HOBN	Nethan	Other		nuimulA	Sodium Sodium		otal So rKN		grijk Dei H		enbise	G	o Deoic	Dace Deviced No. / Let LD
-	11-15.24		20	U H	Ē	1251	8:00	1/6/24	16:00		-	×	$\vdash$		$\vdash$			1				_			1	-		שרו ואחי, די
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	ADDITIONAL COMMENTS	1 1	B	FINON	HISH	RELINQUISHED BY I AFFILIATION	FILIATI	NO	DATE		TIME	u			CCEP	ACCEPTED BY / AFFILIATION	Y LAF	TLAT	N	Γ	DATE	l "	TIME	1		SAM	PLE COI	SAMPLE CONDITIONS
Collect	Collect Fecal Coliform samples after 10:00am	A	À	0	A	3	1		N/14/1	17	01.0	6		P	1/					Γ	=	7	WCV!		2.0			$\left  \right $
For me	"For metals/nutrients, leave at least 1 inch of headspace in containers for off-gassing	¥	8		>		8			-		$\square$																$\left  \right $
P		-																						1				_
age							MPLE	SAMPLER NAME A	ND SIGNATURE	INE		1								1		1		T	0			+
10 o								PRINT Name of SAMPLER:	e of SAMP	ER:														Г	° ni qr	(N/A)	se2 yt	er (YV) Ies Int
f 27								SIGNATUR	E of SAMPLER:	LER:	ļ							DATE Signed	peug.					Γ	neT			

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N			U	<u> </u>	<u>ب</u> ان	1L unpreserved plastic	cetate	Diastic	500mL H2SO4 plastic	500mL unpreserved plastic	500mL NaOH, Zn Acetate	olastic	lastic -	plastic	250mL unpreserved plastic	250mL NaOH. Zn Acetate	125mL unpreserved plastic	lastic	125mL H2SO4 plastic	16oz unpresserved plstic		
s/EZ #	BP2U		Plastic	1L NAOH plastic	11 H2SO4 plastic	served	1L NaOH, Zn Acetate	HOH	500mL H2SO4 plastic	Inprese	VaOH,	250mL NaOH plastic	INO3 P	250mL HNO3 plastic	12SO4	NaOH.	Inprese	125mL HNO3 plastic	12SO4	presser		
Profile/EZ #	ВРЛО			L NAO	L H2S(		L NaO			00mL (	00mL	50mL	50mL	50mL +	50mL L	50mL	25mL 1	25mL H	25mL	6oz un		
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ولمتولع						amber wide	100mL unores amber glass	0.00	1L Na Thiosulfate clear/amber glass	glass	500mL HNO3 amber glass	500mL H2SO4 amber glass	250mL H2SO4 amber glass	500mL unpres amber glass	200mL unpres amber glass 125mL unpres amber glass	100mL unpres amber glass						
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Ă	USDA			ar soil	ar soil	preser	unore		Thiosu	npres a	NNO	H2SO	H2SO	unpre	unpre	nnpre	-				1/24	
10	Urða			8oz clear soil jar	202 clear soil jar	4oz unpreserved	100mL	1L HOL attiber glass	1L Na	1liter unpres amber glass	500mL	500mL	250mL	500mL	25um	100mL					Due Date: 12/04/24	
5	нгаа																1	070-010	ŝ	J		
1 VOT_Sample Container Count lodges Farms Smi-Hwille MO	BGIU		Glass	WGKU	WG2U	JGFU	AGOU		AG1T	AG1U	AG2N	AG2S	AG3S	AG2U	AG4U	AG5U		11.5	104 . COAGAR21	f	e Dat	Farms
La La	DC9B		Gla																SV	5	Ď	
ple Cor	W690										rial								C	20		odge
1001 VOT_Sample C	DG90			r vial	vial	ial	er vial	Served		ır vial	clear v	glass		lass	al glas					+	3	Ť
	∩69∧			40mL bisulfate clear vial	40mL MeOH clear vial	40mL TSP amber vial	40mL H2SO4 amber vial	40ml amher unnreserved	40mL HCI clear vial	40mL Na Thio. clear vial	40mL unpreserved clear vial	1liter H2SO4 clear glass	glass	250mL HCL Clear glass	20011L UTPTES CIERT grass				C	Š	N. 11 H	CLIENT: Hodges
M-LENE 2024 Client: Site:	DG9G			bisulfa HCI ar	MeOH	TSP a	H2SO	amher	HCIC	Na Thi	unpres	-12S04	1liter unpres glass		16oz clear soil iar				-	_	jē	: 0
ENV-FR te: 7/12/	DG9H			40ml	40mL	40mL	40mL	40ml	40mL	40mL	40mL	1liter -	1 litter (	ILLINGZ	16oz 0							
Effective Date: 7/12/2024 Effective Date: 7/12/2024 Client: Hodges Fan	НбЭЛ																			Mork Order Mumber		
DC#	A Matrix	Codes		DC9H	DG9M	DG9Q	DG9S	1600	VG9H	VG9T	VG9U	BG1S		RG3H	MGDU					( Alort		
	COC Line Item 3 3 3 4 4 4 4 5 5 5 5 5 6 6 8 8 8 8 8 10	12 12 Container Codes																				Page

Pace® Analytical Services, LLC

age 11 of 27

Page 1 of 1

Internal Transfer Chain of Custody	Chain o	of Custod	≥			1110	الاحداجا	0100004	Darg
		Rush Multiplier	Rush Multiplier X Samples Pre-Logged into eCOC	c into eCOC	State Cert.	State Of Origin: MO Cert. Needed: Ye	0 ] Yes 📈 No ate: 11/18/2024	No 2024 Results Requested By: 12/4/2024	d By: 12/4/2024
ler: 60464821	Workorder Name:	0	VILLE, MU	-	-				
Report To Jennifer Haley 9608 Loiret Blvd. Lenexa, KS 66219		Pace / 320 Fc Mansf Phone	Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300	field					
Phone (913)599-5665				8		ALISNOC NI			
				đ	Preserved Containers	Π	_		
	Sample	Collect	(Tab ID	Matrix Atrixesenved					LAB USE ONLY
Sample ID	adki		-	T		>			
11-15-24 -01	PS	11/15/2024 15:00	60464821001	Solid	+	<			
	-							Comments	
Transfore Released BV		Date/Time	Received By	By		Date/Time	KS sample loca	KS sample location: 6091-18-S2B2	
T		12/11	1500 7	LUEX		11	1		
THE .	EX	¥ 122/4	2410:30	N.		11/27/24/10	3.50		
					-			Samples Intact Y	act Y or N
tuine on Decelut		Ja Ja	Custody Seal	Y or N	Rec	Received on Ice	A OL N	California	

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\*\*\*In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature m This chain of custody is considered complete as is since this information is available in the owner laboratory.

Page 1 of 1 FMT-ALL-C-002rev.00 24March2009

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ace

Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300 INTER\_LABORATORY WORK ORDER # 60464821

(To be completed by sending lab)

REQUESTED COMPLETION DATE:	12/4/2024
Date Prepared:	11/21/24
Check Box for Consolidated Invoice:	
Receiving Project No:	
Sending Project No:	60464821

Sending Region	IR60-Kansas	Sendir	ng Project I	vigr.		Jennifer	Haley
Receiving Region	S880	Extern	al Client		Ho	dges Farms &	Dredging LLC
State of Sample Origin	MO	QC De	eliverable			STD REP	PORT
ED RESULTED RESULT	Il questions should be addr	or Dry Weigh		1997 - 1997 - 199 <b>7</b> - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		ed to run? (	Cert. Needed NO
Requested Reportable Units	Report we		REQUEST		VU Lab Ne	ed to full?	
Method D	escription	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
BULK	DENSITY	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WTA
	FOR ANALYTIC	AL WORK C			N ALSO		
Return Samples to Sendi	ing Region: Yes X 1	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

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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



Serial_No:12032420:29	: L2468995 : 12/03/24	Receive Date 11/22/24	
Serial	Lab Number: Report Date:	Collection Date/Time 11/15/24 15:00	
		Sample Location Not Specified	
		<b>Matrix</b> SOLID	
	SMITHVILLE, MO er: 60464821	Client ID 11-15-24	
	Project Name: Project Number:	Alpha Sample ID L2468995-01	





Project Name: SMITHVILLE, MO Project Number: 60464821

Lab Number: L2468995 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.

609 Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 12/03/24



# INORGANICS & MISCELLANEOUS



Serial_No:12032420:29
-----------------------

Project Name: Project Number:	SMITHVILLE 60464821	E, MO							L2468995 12/03/24	
				SAMPLE	RESUL	rs				
Lab ID:	L2468995-0 <sup>-</sup>	1					Date (	Collected:	11/15/24 15:00	)
Client ID:	11-15-24						Date I	Received:	11/22/24	
Sample Location:	Not Specifie	d					Field I	Prep:	Not Specified	
Sample Depth:										
Matrix:	Solid									
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - We	stborough Lab	)								
ensity	1.14		SU	0.100		1	-	12/02/24 03:3	5 12,D1475	DEW



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Project Name:	SMITHVILLE, MO
Project Number:	60464821

Lab Duplicate Analysis Batch Quality Control

 Lab Number:
 L2468995

 Report Date:
 12/03/24

Parameter	Native Sample	Duplicate Sam	Duplicate Sample Units	RPD	Qual	RPD Qual RPD Limits
General Chemistry - Westborough Lab Associated sample(s)	: 01	: WG2003829-1	QC Batch ID: WG2003829-1 QC Sample: L2467109-01 Client ID: DUP Sample	467109-01 C	lient ID: DU	JP Sample
Density	1.20	1.24	SU	ę		



SMITHVILLE, MO Project Number: 60464821 Project Name:

Lab Number: L2468995 Serial\_No:12032420:29 Report Date: 12/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

**Cooler Information** 

**Custody Seal** Present/Intact Cooler ∢

Container ID Container Type **Container Information** 

Plastic 250ml unpreserved L2468995-01A

Present/Intact Final Temp pH degC Pres Seal ≻ 3.9 Initial <sup>I</sup> Cooler pH F

AN

∢

DENSITY()

Analysis(\*)

Frozen Date/Time



# Project Name: SMITHVILLE, MO

Project Number: 60464821

# Lab Number: L2468995

## **Report Date:** 12/03/24

## GLOSSARY

## Acronyms

Acronymo	
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

Project Number: 60464821

# Lab Number: L2468995 Report Date: 12/03/24

## Footnotes

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- 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 Waterpreserved 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, 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 concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the 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 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



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## Project Name: SMITHVILLE, MO

Project Number: 60464821

Serial\_No:12032420:29

Lab Number: L2468995

**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:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. **EPA 8270E:** <u>NPW</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine, 2,6-Dichlorophenol.

SM4500: <u>NPW</u>: Amenable Cyanide; <u>SCM</u>: 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, SM4500CI-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,

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.

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Thursday, November 21, 2024 10:45:11 AM

Page 1 of 1 FMT-ALL-C-002rev.00 24March2009



Ship To: Pace Analytical Mansfield 320 Forbes Blvd Mansfield, MA 02048 Phone (508)822-9300 INTER\_LABORATORY WORK ORDER # 60464821

(To be completed by sending lab)

Date Prepared REQUESTED COMPLETION DATE:	
Check Box for Consolidated Invoice:	
Receiving Project No:	
Sending Project No:	60464821

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	REQUEST	ED			
Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Acode	Acode Desc
BULK DENSITY	BP3U	1	Unpreserved	1	SI-21WET0	SUB PASI WT/

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 X 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:**

- $\Box$  Ordinance
- □ Resolution
- □ Staff Report

 $\Box$  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 – 2<sup>nd</sup> Reading

Ordinance – Rezoning 16000 South US 169 Highway - 2<sup>nd</sup> Reading

Ordinance – Rezoning 800 NW 92 Hwy – 2<sup>nd</sup> Reading

Ordinance – Budget Amendment No. 3 – Emergency Ordinance – 1<sup>st</sup> & 2<sup>nd</sup> Reading

Ordinance – Ballot Language for Public Safety Sales Tax Question – 1<sup>st</sup> 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 – 2<sup>nd</sup> Reading

Ordinance – Amending Section 155.020 Economic Development 1<sup>st</sup> 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 - 2<sup>nd</sup> Reading

Ordinance – Destruction of Records – 1<sup>st</sup> Reading

Ordinance – Budget Amendment No. 4 –  $1^{st}$  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 – 2<sup>nd</sup> Reading

- Ordinance Budget Amendment No. 4 2<sup>nd</sup> Reading
- Ordinance Rezoning Northeast Corner of Second Creek and Lowman Road 1<sup>st</sup> 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 – 2<sup>nd</sup> Reading Ordinance – Amending Section 600.030 Liquor Licenses - 1<sup>st</sup> Reading Resolution – Award Bid for City Janitorial Services Resolution – Award Bid for Debt Collections Services Resolution – Award Bid – 144<sup>th</sup> 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 – 2<sup>nd</sup> 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 (1<sup>st</sup> 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 (2<sup>nd</sup> 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 - 1<sup>st</sup> & 2<sup>nd</sup> 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 – 1<sup>st</sup> Reading

## October 14, 2025 Work Session

## October 14, 2025 Regular Session 7:00 p.m.

Ordinance – FY2026 Operating Budget – 2<sup>nd</sup> 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.