



**CERTIFIED MAIL**

9214 8969 0099 9790 1414 4507 92



**APR 08 2019**

MR PAUL DESAI  
BROAD RIVER C STORE LLC  
41 CROMWELL COURT  
IRMO, SC 29063

**Re: Notice of Alleged Violation**

Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 Reported November 16, 2018  
Tier II Assessment Notice to Proceed mailed November 27, 2018  
Richland County

*delivered  
4/11/19*

Dear Mr. Desai:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) directed you on **November 27, 2018** to complete a Tier II Assessment with the report due within **90 days**. A Due Date Extension was requested by your consultant, Carolina Technical Services, on **February 27, 2019** with the new due date set to **April 5, 2019**. A second Due Date Extension was requested by your consultant on **April 5, 2019** with a new requested due date of **April 30, 2019**. In accordance with Section 280.65 of the South Carolina Underground Storage Tank Regulations, this assessment must be conducted expeditiously due to the continued presence of free phase petroleum product (FPP) and further potential impacts to human health and the environment.

**Please submit the report on or before April 30, 2019. Should you not submit the report on or before this date, this office will initiate enforcement action.**

On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-7542, e-mail me at [mendenje@dhec.sc.gov](mailto:mendenje@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,

Ed Mendenhall, Hydrogeologist  
Assessment & Unregulated Petroleum Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: Carolina Technical Services, 7130-A Broad River Road, Irmo, SC 29063  
Technical File

11946 Matt

# MBM MOORE BRADLEY MYERS

S. Jahue Moore\*  
James Edward Bradley\*  
Sheila McNair Robinson  
Christian G. Spradley  
William H. Edwards  
Stanley L. Myers  
Jane H. Downey\*  
S. Jahue Moore, Jr.  
William B. Fortino  
Ralph Nichols Riley, Jr.  
John C. Bradley, Jr.

RECEIVED  
FEB 15 2022  
UST DIVISION

Melissa K. Moore  
Lester McGill Bell, Jr.  
Bryan C. Letteer  
Sierra D. Carini  
Lawrence D. Turner  
Brendan J. Green

February 10, 2022

*Retired*  
J. Mark Taylor\*\*  
Robert D. Hazel†  
C. David Sawyer, Jr.†  
Billy C. Coleman (1916-2019)

SCDHEC  
2600 Bull Street  
Columbia, SC 29201



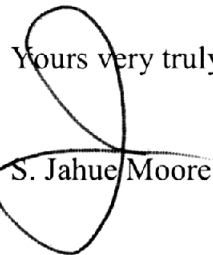
RE: Broad River C-Store

Gentlemen:

We signed everything we needed to sign in order for you to begin clean up on Broad River C-Store. My client paid the registration fee. We have done everything you have asked us to do.

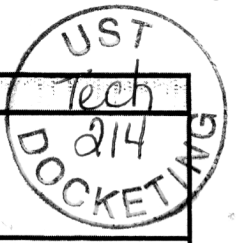
Please accept this letter as a demand that you immediately begin the clean up on the Broad River C-Store.

Thank you for your prompt attention to this matter.

Yours very truly,  
  
S. Jahue Moore

SJM/arj  
cc: Paul Desai

M. Wykel



**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**

**Department of Health and Environmental Control  
Underground Storage Tank Program**

UST Permit # 11946 Facility Name Broad River Amoco, Release #2

1. Completed Corrective Action Solicitation Response Forms are attached from one contractor.

EnviroRisk

2. Based on a review of the corrective action responses, I select (please name):

I understand that except for the limitations specified in the solicitation, \$685,061.45 is the maximum amount the SUPERB Account will pay for this active corrective action.

3. Compensation from the SUPERB Account should be paid to: (please check one)

UST Owner/ Operator  
SC Certified Site Rehabilitation Contractor named above in Item 2

4. List any anticipated changes to the site in the near future: (e.g. sale, UST removal, etc.)

5. Additional Comments: (Attach additional page(s) if required)

UST Owner/ Operator Name Broad River C Store  
Address 278 Canterbury Rd Zone 22 29063

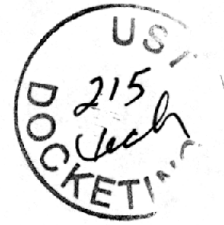
Telephone Number 803 472 2575 FAX Number ( )

Signature [Handwritten Signature] Printed or Typed Name Pallav Desai Title Owner  
Date Signed 4-9-21

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**



MAR 14 2022



**CERTIFIED MAIL**

**92148969009997901421212659**

PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

**Re: Corrective Action Solicitation Response**

Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Correspondence Received February 15, 2022  
Richland County

Dear Mr. Desai:

The Underground Storage Tank Management Division of the South Carolina Department of Health and Environmental Control (DHEC) received correspondence from Mr. Jahue Moore pertaining to the facility and permit number referenced above.

DHEC cannot start Active Corrective Action until the Corrective Action Solicitation Response Summary form is properly filled out. DHEC received a version of this form dated April 29, 2021, a copy of which is enclosed. The form, however, was not properly completed. You must write the name of the contractor in item #2 and check one of the boxes in item #3 for the form to be considered complete.

Also enclosed with this letter are previous correspondence in which DHEC has advised you that the Corrective Action Solicitation Response Summary form was incomplete.

Please note that the responsible party of Release #1 must also fill out a Corrective Action Solicitation Response Summary form before DHEC can implement Active Corrective Action at this facility. This is because both releases were bid out in a single solicitation since the petroleum plumes of the two releases are commingled.

**Please properly complete items 2 and 3 of the enclosed Corrective Action Solicitation Response form within thirty (30) days from the date of this letter.**

This correspondence is being sent to you by both first class and certified mail to better ensure delivery. On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-7705, e-mail me at [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,



Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Prior correspondence  
Corrective Action Solicitation Response Summary Form

cc: Jahue Moore, Esquire, Moore Taylor Law Firm, P.A., PO BOX 5709, West Columbia, SC 29171 (w/ enc)  
Kenneth Davis, Esquire (w/ enc) *Boykin & Davis, LLC POB 11844 Columbia 29211*  
Technical File (w/ enc)

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**

**Department of Health and Environmental Control**

**Underground Storage Tank Program**

UST Permit # 11946

Facility Name Broad River Amoco, Release #2

1. Completed Corrective Action Solicitation Response Forms are attached from one contractor.

EnviroRisk

2. Based on a review of the corrective action responses, I select (please name):

I understand that except for the limitations specified in the solicitation, \$685,061.45 is the maximum amount the SUPERB Account will pay for this active corrective action.

3. Compensation from the SUPERB Account should be paid to: (please check one)

UST Owner/ Operator

SC Certified Site Rehabilitation Contractor named above in Item 2

4. List any anticipated changes to the site in the near future: (e.g. sale, UST removal, etc.)

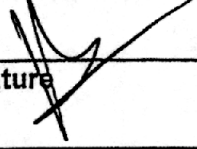
5. Additional Comments: (Attach additional page(s) if required)

UST Owner/ Operator Name Broad River C Store

Address 278 Cantorwood Rd Leno SC 29063

Telephone Number 803 472 7575

FAX Number ( )

Signature 

Pallav Desai  
Printed or Typed Name

Owner  
Title

4-9-21  
Date Signed

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**

**Department of Health and Environmental Control**

**Underground Storage Tank Program**

UST Permit # 11946

Facility Name Broad River Amoco, Release #2

1. Completed Corrective Action Solicitation Response Forms are attached from one contractor.

EnviroRisk

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4. List any anticipated changes to the site in the near future: (e.g. sale, UST removal, etc.)

\_\_\_\_\_  
\_\_\_\_\_

5. Additional Comments: (Attach additional page(s) if required)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

UST Owner/ Operator Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone Number \_\_\_\_\_

( ) \_\_\_\_\_

FAX Number \_\_\_\_\_

( ) \_\_\_\_\_

Signature \_\_\_\_\_

Printed or Typed Name \_\_\_\_\_

Title \_\_\_\_\_

Date Signed \_\_\_\_\_

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**



Healthy People. Healthy Communities.

PAUL DESAI  
BROAD RIVER C STORE LLC  
41 CROMWELL CT  
IRMO SC 29063

OCT 14 2020



Re: **Corrective Action Solicitation Response Summary**  
Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Richland County  
Corrective Action Solicitation Responses received September 18, 2020

Dear Mr. Desai:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the Corrective Action Solicitation responses resulting from the Technical Specifications Package. The Corrective Action Cost submitted by EnviroRisk was for the amount of \$822,500.

The Corrective Action Cost is defined as the total amount established through the procurement process to complete the scope of work/specifications detailed in the solicitation unless otherwise modified pursuant to the terms of this solicitation. The maximum allowable Corrective Action Cost DHEC can establish is dependent on the remaining State Underground Petroleum Environmental Response Bank (SUPERB) account balance for the individual release, less costs required for verification of performance milestones. Corrective action costs above the maximum amount allowable, as established in S.C. Code Ann. § 44-2-40 (2018), are the responsibility of the owner/operator. The verification costs for this release will be \$10,000. The Corrective Action Cost will be established in the amount of \$411,250. This amount is one-half of the amount submitted by EnviroRisk for the corrective action of both releases. To date, \$73,125.73 has been spent from SUPERB for this release.

Copies of the corrective action solicitation responses are enclosed for your review. A "Corrective Action Solicitation Response Summary" form is also enclosed for you to specify your choice of contractor. Any Class I Certified Underground Storage Tank Contractor may perform the necessary activities at the established price. Please return the Corrective Action Solicitation Response Summary form in order for the necessary financial approval to be made. **The Corrective Action Solicitation Response Summary Form should be returned to the UST Division within 30 days from the date of this letter.**

You may consider entering a written contract with your selected contractor following completion of the solicitation process to address any costs that exceed reasonable or SUPERB-allowable costs and not approved by DHEC for reimbursement from the SUPERB Account. DHEC would not be a party to the contract; however, we will monitor and ensure you are making progress with corrective action activities. If the selected contractor is not able to complete the required activities, you will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable (or SUPERB-allowable) cost is the maximum amount the SUPERB Account will pay for this active corrective action.



On all correspondence concerning this site, please reference UST Permit #11946. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0605, by fax at (803) 898-0673, or by e-mail at [baldwiba@dhec.sc.gov](mailto:baldwiba@dhec.sc.gov).

Sincerely,



Brady Baldwin, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Corrective Action Solicitation Response Summary Form  
Corrective Action Solicitation Responses received from 1 contractor

cc: Adam Looper, UST Management Division  
Technical file (w/enc)

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**

**Department of Health and Environmental Control  
Underground Storage Tank Program**

UST Permit # 11946

Facility Name Broad River Amoco, Release #2

**1. Completed Corrective Action Solicitation Response Forms are attached from one contractor.**

EnviroRisk

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I understand that except for the limitations specified in the solicitation, \$411,250 is the maximum amount the SUPERB Account will pay for this active corrective action.

**3. Compensation from the SUPERB Account should be paid to: (please check one)**

UST Owner/ Operator

SC Certified Site Rehabilitation Contractor named above in Item 2

**4. List any anticipated changes to the site in the near future: (e.g. sale, UST removal, etc.)**

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**5. Additional Comments:** (Attach additional page(s) if required)

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**UST Owner/ Operator Name** \_\_\_\_\_

**Address** \_\_\_\_\_

**Telephone Number** \_\_\_\_\_

( )

**FAX Number** \_\_\_\_\_

( )

**Signature** \_\_\_\_\_

**Printed or Typed Name** \_\_\_\_\_

**Title** \_\_\_\_\_

**Date Signed** \_\_\_\_\_

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**



NOV 23 2020



**CERTIFIED MAIL**

9214 8969 0099 9790 1540 5226 84

PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

Re: **Notice of Extension Approval for Corrective Action Solicitation Response**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Corrective Action Solicitation Response Summary letter dated October 20, 2020  
Richland County

Dear Mr. Desai:

The Underground Storage Tank Management Division of the South Carolina Department of Health and Environmental Control (DHEC) directed you on October 20, 2020 to submit Corrective Action Solicitation Response Summary form due on or before November 20, 2020. To date, DHEC has received a written correspondence submitted by MT Moore & Taylor on behalf of Mr. Desai on November 2, 2020, but the required Corrective Action Solicitation Response form has not yet been received.

Due to the ongoing impact from COVID-19 as well as the upcoming holiday schedule, DHEC has approved an extension for submittal of the Corrective Action Solicitation Response Summary form.

**Please sign and submit the Corrective Action Solicitation Response form with your choice of selected contractor on or before December 23, 2020. Should you not submit the report by this date, this office may initiate further action.**

This correspondence is being sent to you by first class mail and certified to better ensure delivery. On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-0605, e-mail me at [baldwiba@dhec.sc.gov](mailto:baldwiba@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,

Brad Baldwin, GIT, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Corrective Action Solicitation Response Summary Letter

cc: S. Jahue Moore, Moore Taylor Law Firm, P.A., PO Box 5709, West Columbia, SC 29171 (w/ enc)  
Technical File (w/o enc)



PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

OCT 20 2020

Re: **Corrective Action Solicitation Response Summary**  
Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Richland County  
Corrective Action Solicitation Responses received September 18, 2020

Dear Mr. Desai:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the Corrective Action Solicitation responses resulting from the Technical Specifications Package. The Corrective Action Cost submitted by EnviroRisk was for the amount of \$822,500.

The Corrective Action Cost is defined as the total amount established through the procurement process to complete the scope of work/specifications detailed in the solicitation unless otherwise modified pursuant to the terms of this solicitation. The maximum allowable Corrective Action Cost DHEC can establish is dependent on the remaining State Underground Petroleum Environmental Response Bank (SUPERB) account balance for the individual release, less costs required for verification of performance milestones. Corrective action costs above the maximum amount allowable, as established in S.C. Code Ann. § 44-2-40 (2018), are the responsibility of the owner/operator. The verification costs for this release will be \$10,000. The Corrective Action Cost will be established in the amount of \$411,250. This amount is one-half of the amount submitted by EnviroRisk for the corrective action of both releases. To date, \$73,125.73 has been spent from SUPERB for this release.

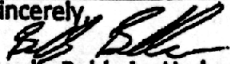
Copies of the corrective action solicitation responses are enclosed for your review. A "Corrective Action Solicitation Response Summary" form is also enclosed for you to specify your choice of contractor. Any Class I Certified Underground Storage Tank Contractor may perform the necessary activities at the established price. Please return the Corrective Action Solicitation Response Summary form in order for the necessary financial approval to be made. **The Corrective Action Solicitation Response Summary Form should be returned to the UST Division within 30 days from the date of this letter.**

You may consider entering a written contract with your selected contractor following completion of the solicitation process to address any costs that exceed reasonable or SUPERB-allowable costs and not approved by DHEC for reimbursement from the SUPERB Account. DHEC would not be a party to the contract; however, we will monitor and ensure you are making progress with corrective action activities. If the selected contractor is not able to complete the required activities, you will be required to find another certified contractor to complete the required activities. Except for the limitations specified in the solicitation, the reasonable (or SUPERB-allowable) cost is the maximum amount the SUPERB Account will pay for this active corrective action.

On all correspondence concerning this site, please reference UST Permit #11946. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0605, by fax at (803) 898-0673, or by e-mail at baldwiba@dhec.sc.gov.

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Sincerely,

  
Brady Baldwin, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Corrective Action Solicitation Response Summary Form  
Corrective Action Solicitation Responses received from 1 contractor

cc: Adam Looper, UST Management Division  
Technical file (w/enc)

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**

**Department of Health and Environmental Control  
Underground Storage Tank Program**

UST Permit # 11946

Facility Name Broad River Amoco, Release #2

1. Completed Corrective Action Solicitation Response Forms are attached from one contractor.

EnviroRisk

2. Based on a review of the corrective action responses, I select (please name):

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5. Additional Comments: (Attach additional page(s) if required)

UST Owner/ Operator Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone Number ( ) \_\_\_\_\_

FAX Number ( ) \_\_\_\_\_

Signature \_\_\_\_\_

Printed or Typed Name \_\_\_\_\_

Title \_\_\_\_\_

Date Signed \_\_\_\_\_

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**



**CERTIFIED MAIL**

**9214 8969 0099 1418 7138 93**

PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

DEC 2 2 2020



**Re: Notice of Extension Approval for Corrective Action Solicitation Response**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Corrective Action Solicitation Response Summary letter dated October 20, 2020  
Richland County

Dear Mr. Desai:

The Underground Storage Tank Management Division of the South Carolina Department of Health and Environmental Control (DHEC) directed you on October 20, 2020 to submit Corrective Action Solicitation Response Summary form due originally on or before November 20, 2020. To date, DHEC has received a written correspondence submitted by MT Moore & Taylor on behalf of Mr. Desai on November 2, 2020, but the required Corrective Action Solicitation Response form has not yet been received.

Due to the ongoing impact from COVID-19 as well as the upcoming holiday schedule, DHEC has approved an additional extension for submittal of the Corrective Action Solicitation Response Summary form.

**Please sign and submit the Corrective Action Solicitation Response form with your choice of selected contractor on or before January 23, 2021. Should you not submit the report by this date, this office may initiate further action.**

This correspondence is being sent to you by first class mail and certified to better ensure delivery.

On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-0605, e-mail me at [baldwiba@dhec.sc.gov](mailto:baldwiba@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,

Brad Baldwin, GIT, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Corrective Action Solicitation Response Summary Letter

cc: S Jahue Moore, Moore Taylor Law Firm, P.A., PO BOX 5709, West Columbia, SC 29171 (w/ enc)  
Technical File (w/ enc)

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**  
**Department of Health and Environmental Control**  
**Underground Storage Tank Program**

UST Permit # 11946

Facility Name Broad River Amoco, Release #2

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UST Owner/ Operator Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone Number ( ) \_\_\_\_\_

FAX Number ( ) \_\_\_\_\_

Signature \_\_\_\_\_

Printed or Typed Name \_\_\_\_\_

Title \_\_\_\_\_

Date Signed \_\_\_\_\_

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**





JAN 25 2021



PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

Re: **Reallocation of Abatement Costs and Corrective Action Costs**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Richland County

Dear Mr. Desai:

This letter is a follow up to the prior correspondence sent to you from the Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC), regarding your responsibility for abatement costs and corrective action costs associated with Release #2 reported on November 16, 2018, at 4335 Broad River Road. Since the time of our last correspondence, the UST Division has reviewed the previous cost allocations of funds from the State Underground Petroleum Environmental Response Bank (SUPERB) and reconsidered the amount obligated or specified for reimbursement from your portion of eligible and qualified SUPERB Account funds. As a consequence of this reallocation of costs, the amount of funds available from your SUPERB account for corrective actions and third-party claims will be modified, as more fully explained below.

By way of background, Release #1 occurred at 4335 Broad River Road on January 4, 2011 while Mr. Fredrick Cecchini was the UST owner/operator. The corrective action following a release can take many years to complete. At the time of Release #1, DHEC assigned the abatement costs and corrective action costs solely to Mr. Cecchini. While the corrective actions from Release #1 were underway but not completed, there was a change in ownership from Mr. Cecchini to you. However, before the corrective actions for Release #1 were completed, Release #2 occurred during your period of ownership.

Initially, the UST Division assigned \$547,622.90 in abatement costs following Release #2 solely towards SUPERB Account funds associated with only Release #1 for


Mr. Cecchini, even though Release #2 occurred during your period of ownership. After further review was conducted, the UST Division determined that the releases were commingled such that it could not distinguish the damage caused by Release #1 from the damage caused by Release #2. As a result, the abatement costs incurred after Release #2 are now being equally divided between the two releases and SUPERB Account funds will reflect half of the abatement costs attributed to the UST owners/operators responsible for Release #1 and Release #2, in the amount of \$273,811.45 each.

While the abatement costs have been reallocated, the proposed corrective action costs remain at \$822,500.00, equally divided between you and Mr. Cecchini, in the amount of \$411,250.00 each. After adding the reallocation of abatement costs to your portion of the corrective action costs, \$685,061.45 in costs are being attributed to your SUPERB account funds, with an available balance as of this writing of \$916,874.27.

As a reminder, administrative costs, abatement costs, corrective action costs and third-party liability costs above the \$1 million maximum amount allowable pursuant to the SUPERB Act, as established by S.C. Code Ann. § 44-2-40, are the responsibility of the owner/operator. Based on the current allocation of SUPERB funds, it is possible that the aggregate allowed costs will exceed the SUPERB account balance for an owner/operator.

On all correspondence concerning this site, please reference UST Permit #11946. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0605, by fax at (803) 898-0673, or by email at baldwiba@dhec.sc.gov.

Sincerely,



Bradly Baldwin, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: S. Jahue Moore, Esquire (Moore Taylor Law Firm, P.A., Post Office Box 5709, West Columbia, SC 29171)



**CERTIFIED MAIL**

**9214 8969 0099 9790 1419 2213 80**

MAR 25 2021



PAUL DESAI  
BROAD RIVER C STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

Re: **Notice of Extension Approval for Corrective Action Solicitation Response**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #2 reported November 16, 2018  
Corrective Action Solicitation Response Summary letter dated October 20, 2020  
Richland County

Dear Mr. Desai:

The Underground Storage Tank Management Division of the South Carolina Department of Health and Environmental Control (DHEC) directed you on October 20, 2020 to submit Corrective Action Solicitation Response Summary form on or before November 20, 2020. Following our meeting on February 9, 2021 with your counsel to discuss the Solicitation Response Summary and reallocation of abatement costs and corrective action costs, DHEC received the contractor selection form, however the form was incomplete and still requires the following information in section two (2) and three (3):

- 2. The name of the selected contractor should be included.
- 3. Compensation from the SUPERB Account needs to be either paid to the UST Owner/Operator or directly to the SC Certified Contractor that is selected in section 2.

DHEC has approved a third extension for submittal of the Corrective Action Solicitation Response Summary Form in an effort to proceed with the necessary corrective action at the site and allow you to resubmit the forms with all necessary information included.

**Please properly complete, sign, and submit the enclosed Corrective Action Solicitation Response form with your choice of selected contractor within thirty (30) days from the date of this letter. Should you not submit the form on or before this date, this office may initiate further action.**

This correspondence is being sent to you by both first class mail and certified mail to better ensure delivery.

On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-0605, e-mail me at baldwiba@dhec.sc.gov, or fax me at (803) 898-0673.

Sincerely,

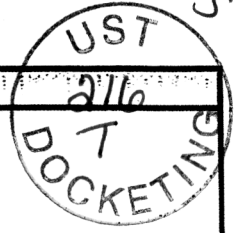


Brad Baldwin, GIT, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Corrective Action Solicitation Response Summary Form

cc: S Jahue Moore, Moore Taylor Law Firm, P.A., PO BOX 5709, West Columbia, SC 29171  
(w/ enc)  
Technical File (w/ enc)

M. Wykel



**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**SOUTH CAROLINA**  
**Department of Health and Environmental Control**  
**Underground Storage Tank Program**

UST Permit # 11946      Facility Name Broad River Amoco, Release #2

1. Completed Corrective Action Solicitation Response Forms are attached from one contractors.  
EnviroRisk

2. Based on a review of the corrective action responses, I select (please name):  
EnviroRisk

I understand that except for the limitations specified in the solicitation, \$685,061.45 is the maximum amount the SUPERB Account will pay for this active corrective action.

3. Compensation from the SUPERB Account should be paid to: (please check one)

- UST Owner/ Operator
- SC Certified Site Rehabilitation Contractor named above in Item 2

4. List any anticipated changes to the site in the near future: (e.g. sale, UST removal, etc.)

5. Additional Comments: (Attach additional page(s) if required)

UST Owner/ Operator Name Pallav (Paul) Desai (owner)  
 Address 278 Canterbury Rd.  
Traverse - 29063  
 Telephone Number (803) 477-1757      FAX Number ( )  
 Signature      Printed or Typed Name Pallav Desai      Title owner  
 Date Signed 2/24/2022

**CORRECTIVE ACTION SOLICITATION RESPONSE SUMMARY**

**RECEIVED**  
**MAR 28 2022**  
**UST DIVISION**

Matth

11946

# MBM MOORE BRADLEY MYERS

S. Jahue Moore†  
James Edward Bradley†  
Sheila McNair Robinson  
Christian G. Spradley  
William H. Edwards  
Stanley L. Myers  
Jane H. Downey\*  
S. Jahue Moore, Jr.  
William B. Fortino  
Ralph Nichols Riley, Jr.  
John C. Bradley, Jr.

March 24, 2022



Melissa K. Moore  
Lester McGill Bell, Jr.  
Bryan C. Letteer  
Sierra D. Carini  
Lawrence D. Turner  
Brendan J. Green

*Retired*  
J. Mark Taylor\*\*  
Robert D. Hazel†  
C. David Sawyer, Jr.†  
Billy C. Coleman (1916-2019)

SCDHEC  
2600 Bull Street  
Columbia, SC 29201

RE: Corrective Action – 4335 Broad River Road

Gentlemen:

I do not know how many times we have to fill out a form and do what you tell us to do before you will do the work on this location.

You have sent the form over and over again. We have designated Enviro-Risk as the cleanup personnel.

We will try this one more time. Quite frankly, what I would like to do is have Mr. Desai come and see you so that he can fill the form out in your presence and hand deliver it to you. It is ridiculous for the department to send me this form back after having had it in its possession for months.

By copy of this letter to Mr. Desai, I am simply instructing him to go to DHEC and see you personally to fill out the forms in a way that you will find to be satisfactory. What scares me is we have designated an agent for cleanup and the environmental risk in this case remains with nothing being done for a huge length of time.

Paul, please go down to DHEC. Ask to see Mr. Wykel. Write the names in on the blanks where he wants you to write. Receive from him something in writing confirming that you have now done everything you want them to do with their forms.

Thank you for your cooperation.

Yours very truly,

S. Jahue Moore

SJM/arj  
cc w/enclos.: Paul Desai

1700 Sunset Boulevard, West Columbia SC 29169 | PO Box 5709, West Columbia SC 29171

TEL 803.796.9160 FAX 803.791.8410 [www.mbmlawsc.com](http://www.mbmlawsc.com)



Healthy People. Healthy Communities.

**CERTIFIED MAIL**

9214 8969 0099 9790 1422 9901 98

PAUL DESAI  
BROAD RIVER C-STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

FEB 17 2023



Re: Validation of Corrective Action Costs  
Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Bid from EnviroRisk received September 30, 2020  
Richland County

Dear Mr. Desai,

The Underground Storage Tank (UST) Management Division (UST Division) of the South Carolina Department of Health and Environmental Control received EnviroRisk's bid for the above referenced releases on September 30, 2020. The total cost of the bid for both releases totals \$822,500.00. The maximum amount the State Underground Petroleum Environmental Response Bank (SUPERB) account will reimburse under release #2 is \$685,061.45.

Due to the amount of time that has passed since the bid has been received, the UST Division requests a notarized statement from your contractor, EnviroRisk, validating the cost of the corrective action. This is to ensure that EnviroRisk is still willing to conduct the corrective action for cost originally submitted. Please have your contractor submit a notarized statement validating the bid within thirty (30) days from the date of this letter. If the costs have changed, please have EnviroRisk submit a new bid amount to the Department. In addition, please have EnviroRisk complete and return the enclosed Corrective Action Acceptance and Delivery Statement to the Department.

This correspondence is being sent to you through both first class and certified mail to better ensure delivery. On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-7705, email me at [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely, 

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land & Waste Management

Enc: Corrective Action Acceptance and Delivery Statement

Cc: Jahue Moore, Esquire, Moore Taylor Law Firm., P.A., PO Box 5709, West Columbia, SC 29171  
Frederick Cecchini, 501 Zanark Drive, Columbia, SC 29212  
Colin T.L. Spangler, Esquire, Floyd & Spangler, 1611 Augusta Road, West Columbia, SC 29169  
Technical File



Healthy People. Healthy Communities.

**CORRECTIVE ACTION ACCEPTANCE and DELIVERY STATEMENT**

**Broad River Amoco, UST Permit #11946**

In compliance with the technical specification package and subject to all conditions thereof, the UST Site Rehabilitation Contractor agrees to complete the corrective action as specified at the price set forth for the site as stated below.

For the purpose of possible acceptance of financial approval, I certify that this company

- Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file and this solicitation. Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the financial approval amount.
- Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of remediation strategies.
- Understands that the purpose of this solicitation is to treat the area of concern so that site specific target goals are achieved and a conditional no further action decision can be made regarding the release.
- Understands that acceptance is based on total cost to implement the phased remedial approach as detailed in the specification package.

\_\_\_\_\_  
UST Site Rehabilitation Contractor (Print)

\_\_\_\_\_  
UST Site Rehabilitation Contractor Certification #

\_\_\_\_\_  
Registered Professional Name (Print)

\_\_\_\_\_  
Registered Professional Signature (required)

P.G.  P.E.  (Check appropriate box)

Professional Certification # \_\_\_\_\_

For the purpose of possible acceptance of financial approval, I (the UST tank owner) certify that:

- Has discussed the proposed remedial plan with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.
- Understands that costs up to \$1 million SUPERB coverage may be utilized and the UST Management Division reserves the right to set aside fund for the purpose of verifying achievement of remedial goals.
- Understands that cost in excess of the \$1 million SUPERB coverage are my responsibility as the UST owner.

\_\_\_\_\_  
UST Owner (Print)

\_\_\_\_\_  
UST Owner Signature





S. Jahue Moore†  
 James Edward Bradley†  
 Sheila McNair Robinson  
 Christian G. Spradley  
 William H. Edwards  
 Stanley L. Myers  
 Jane H. Downey\*  
 S. Jahue Moore, Jr.  
 William B. Fortino  
 Ralph Nichols Riley, Jr.  
 John C. Bradley, Jr.  
 Lester McGill Bell, Jr.

Melissa K. Moore  
 Bryan C. Letteer  
 Sierra D. Carini  
 Lawrence D. Turner  
 Emily E. Collins

*Retired*  
 J. Mark Taylor\*\*  
 Robert D. Hazel†  
 C. David Sawyer, Jr.†  
 Billy C. Coleman (1916-2019)

July 13, 2023

**VIA HAND DELIVERY**  
**VIA U.S. MAIL**

Matt Wykel, Hydrogeologist  
 Corrective Action & Quality Assurance Section  
 DHEC, UST Division  
 2600 Bull Street  
 Columbia, SC 29201

RE: Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
 UST Permit #11946

Dear Matt:

I am sending you again the signed document you have requested. In order to ensure you have this I am having it hand delivered.

I would appreciate your acknowledging receipt of the signed Corrective Action Acceptance and Delivery Statement and confirming we have done everything required of my client.

Thank you for your attention to this matter.

Yours very truly,

  
 S. Jahue Moore

SJM:dc  
 Enclosure  
 cc w/encl.: Mr. Paul Desai



Healthy People. Healthy Communities.

**CORRECTIVE ACTION ACCEPTANCE and DELIVERY STATEMENT**  
**Broad River Amoco, UST Permit #11946**

In compliance with the technical specification package and subject to all conditions thereof, the UST Site Rehabilitation Contractor agrees to complete the corrective action as specified at the price set forth for the site as stated below.

For the purpose of possible acceptance of financial approval, I certify that this company

- Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file and this solicitation. Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the financial approval amount.
- Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of remediation strategies.
- Understands that the purpose of this solicitation is to treat the area of concern so that site specific target goals are achieved and a conditional no further action decision can be made regarding the release.
- Understands that acceptance is based on total cost to implement the phased remedial approach as detailed in the specification package.

Environmental Consultants  
UST Site Rehabilitation Contractor (Print)

428

UST Site Rehabilitation Contractor Certification #

Kenneth Summerow, P.E.  
Registered Professional Name (Print)

[Signature]  
Registered Professional Signature (required)

P.G.  P.E.  (Check appropriate box)

Professional Certification # 3742

For the purpose of possible acceptance of financial approval, I (the UST tank owner) certify that:

- Has discussed the proposed remedial plan with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.
- Understands that costs up to \$1 million SUPERB coverage may be utilized and the UST Management Division reserves the right to set aside fund for the purpose of verifying achievement of remedial goals.
- Understands that cost in excess of the \$1 million SUPERB coverage are my responsibility as the UST owner.

Pallav Desai  
UST Owner (Print)

[Signature]  
UST Owner Signature



RECEIVED

JUL 17 2023

UST DIVISION

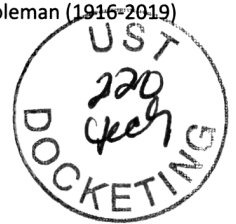
S. Jahue Moore†  
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Emily E. Collins

Retired

J. Mark Taylor\*\*  
Robert D. Hazel†  
C. David Sawyer, Jr.†  
Billy C. Coleman (1916-2019)

July 13, 2023



**VIA HAND DELIVERY**  
**VIA U.S. MAIL**

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
DHEC, UST Division  
2600 Bull Street  
Columbia, SC 29201

RE: Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946

Dear Matt:

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I would appreciate your acknowledging receipt of the signed Corrective Action Acceptance and Delivery Statement and confirming we have done everything required of my client.

Thank you for your attention to this matter.

Yours very truly,

  
S. Jahue Moore

SJM:dc  
Enclosure  
cc w/encl.: Mr. Paul Desai

1700 Sunset Boulevard, West Columbia SC 29169 | PO Box 5709, West Columbia SC 29171

TEL 803.796.9160 FAX 803.791.8410 [www.mbmlawsc.com](http://www.mbmlawsc.com)

\*Member of American Board of Trial Advocates \*Fellow of the American Academy of Matrimonial Lawyers ♦Certified Specialist in Bankruptcy & Debtor/Creditor Law †Retired



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**CORRECTIVE ACTION ACCEPTANCE and DELIVERY STATEMENT**  
**Broad River Amoco, UST Permit #11946**

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Environmental Consultants  
UST Site Rehabilitation Contractor (Print) *HAC*

428

UST Site Rehabilitation Contractor Certification #

Kenneth Summerow, P.G.  
Registered Professional Name (Print)

[Signature]  
Registered Professional Signature (required)

P.G.  P.E.  (Check appropriate box)

Professional Certification # 3742

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- Understands that cost in excess of the \$1 million SUPERB coverage are my responsibility as the UST owner.

Pallav Desai  
UST Owner (Print)

[Signature]  
UST Owner Signature



**AUG 24 2023**

S. JAHUE MOORE, SR., ESQ.  
MOORE TAYLOR LAW FIRM  
PO BOX 5709  
WEST COLUMBIA SC 29171

**Re: Response to Request for Acknowledgement to Corrective Action Acceptance and Delivery Statement**

Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Letter of Acknowledgement request received July 14, 2023  
Richland County

Dear Mr. Moore:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has acknowledged that DHEC has received the Corrective Action Acceptance and Delivery Statement referenced above. On February 17, 2023, however, DHEC also requested from Mr. Desai a notarized statement validating the cost of the corrective action. As of this date, we have still not received this statement. Please have Mr. Desai and his selected contractor, EnviroRisk, submit a notarized statement to DHEC validating the corrective action cost within thirty (30) days from the date of this letter. If the costs have changed, please have Mr. Desai and his selected contractor, EnviroRisk, submit a new corrective action amount to DHEC.

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Sincerely,

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Validation of Corrective Action Costs sent to Mr. Desai on February 17, 2023  
cc: Paul Desai, Broad River C-Store LLC, 278 Canterwood Rd., Irmo, SC, 29063 (w/ enc.)  
Technical file (w/ enc)



Healthy People. Healthy Communities.

**CERTIFIED MAIL**

**9214 8969 0099 9790 1423 9221 67**

AUG 24 2023

S. JAHUE MOORE, SR., ESQ.  
MOORE TAYLOR LAW FIRM  
PO BOX 5709  
WEST COLUMBIA SC 29171

Re: **Response to Request for Acknowledgement to Corrective Action Acceptance and Delivery Statement**

Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Letter of Acknowledgement request received July 14, 2023  
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Sincerely,

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Validation of Corrective Action Costs sent to Mr. Desai on February 17, 2023

cc: Paul Desai, Broad River C-Store LLC, 278 Canterwood Rd., Irmo, SC, 29063 (w/ enc.)  
Technical file (w/ enc)



Healthy People. Healthy Communities.

**CERTIFIED MAIL**

9214 8969 0099 9790 1422 9901 98

PAUL DESAI  
BROAD RIVER C-STORE LLC  
278 CANTERWOOD ROAD  
IRMO SC 29063

FEB 17 2023



Re: Validation of Corrective Action Costs  
Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Bid from EnviroRisk received September 30, 2020  
Richland County

Dear Mr. Desai,

The Underground Storage Tank (UST) Management Division (UST Division) of the South Carolina Department of Health and Environmental Control received EnviroRisk's bid for the above referenced releases on September 30, 2020. The total cost of the bid for both releases totals \$822,500.00. The maximum amount the State Underground Petroleum Environmental Response Bank (SUPERB) account will reimburse under release #2 is \$685,061.45.

Due to the amount of time that has passed since the bid has been received, the UST Division requests a notarized statement from your contractor, EnviroRisk, validating the cost of the corrective action. This is to ensure that EnviroRisk is still willing to conduct the corrective action for cost originally submitted. Please have your contractor submit a notarized statement validating the bid within thirty (30) days from the date of this letter. If the costs have changed, please have EnviroRisk submit a new bid amount to the Department. In addition, please have EnviroRisk complete and return the enclosed Corrective Action Acceptance and Delivery Statement to the Department.

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Sincerely, 

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land & Waste Management

Enc: Corrective Action Acceptance and Delivery Statement

Cc: Jahue Moore, Esquire, Moore Taylor Law Firm., P.A., PO Box 5709, West Columbia, SC 29171  
Frederick Cecchini, 501 Zanark Drive, Columbia, SC 29212  
Colin T.L. Spangler, Esquire, Floyd & Spangler, 1611 Augusta Road, West Columbia, SC 29169  
Technical File



Healthy People. Healthy Communities.

**CORRECTIVE ACTION ACCEPTANCE and DELIVERY STATEMENT**  
**Broad River Amoco, UST Permit #11946**

In compliance with the technical specification package and subject to all conditions thereof, the UST Site Rehabilitation Contractor agrees to complete the corrective action as specified at the price set forth for the site as stated below.

For the purpose of possible acceptance of financial approval, I certify that this company

- Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file and this solicitation. Any quantities listed in the corrective action method(s) below are estimates and changes to those quantities or to the listed method(s) will not affect the financial approval amount.
- Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of remediation strategies.
- Understands that the purpose of this solicitation is to treat the area of concern so that site specific target goals are achieved and a conditional no further action decision can be made regarding the release.
- Understands that acceptance is based on total cost to implement the phased remedial approach as detailed in the specification package.

\_\_\_\_\_  
UST Site Rehabilitation Contractor (Print)

\_\_\_\_\_  
UST Site Rehabilitation Contractor Certification #

\_\_\_\_\_  
Registered Professional Name (Print)

\_\_\_\_\_  
Registered Professional Signature (required)

P.G.  P.E.  (Check appropriate box)

Professional Certification # \_\_\_\_\_

For the purpose of possible acceptance of financial approval, I (the UST tank owner) certify that:

- Has discussed the proposed remedial plan with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.
- Understands that costs up to \$1 million SUPERB coverage may be utilized and the UST Management Division reserves the right to set aside fund for the purpose of verifying achievement of remedial goals.
- Understands that cost in excess of the \$1 million SUPERB coverage are my responsibility as the UST owner.

\_\_\_\_\_  
UST Owner (Print)

\_\_\_\_\_  
UST Owner Signature





BROAD RIVE C STORE LLC  
ATTN: PAUL DESAI  
278 CANTERWOOD ROAD  
IRMO, SC 29063

September 21, 2023

**Re: Site History Summary**

Broad River Amoco, 4335 Broad River Rd, Columbia, SC  
Richland County  
UST Permit #11946  
Request for Site History Summary received September 6, 2023



To Whom It May Concern:

In response to your request for information about the compliance status and environmental conditions associated with the referenced facility, the following is provided.

The Underground Storage Tank (UST) Management Division (Division) records indicate nine (9) USTs were registered with the South Carolina Department of Health and Environmental Control (DHEC). USTs 6 and 7 are Currently-In-Use and UST-1 is in Extended Out-of-Use status. The UST system was last inspected on November 9, 2022. Violations were corrected and the UST system returned to compliance on November 28, 2022. USTs 2, 3, 8, and 9 are registered to Broad River C Store LLC and were filled inert material on February 26, 2019. USTs 4 and 5 registered to Associated Oils of SC Inc. and were removed on November 1, 1989.

**Release 1**

On January 4, 2011, a petroleum release was reported at the facility assigned the UST permit number referenced above. Division records indicate that Fredrick N. Cecchini, the tank owner at the time of the above referenced release, complied with the regulatory requirements and performed the initial response actions outlined in R.61-92, Section 280.61. Fredrick N. Cecchini is monitoring the petroleum chemicals of concern.

The release of petroleum products from the facility assigned the UST permit number referenced above is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act. This means that reasonable costs can be paid by the SUPERB Account for a combined coverage of \$1,000,000 for site rehabilitation actions and third-party claims associated with the release. Fredrick N. Cecchini as the tank owner at the time of the above referenced release, retains responsibility under state and federal law for any additional actions and associated costs for the release should site rehabilitation cost exceed \$1,000,000.

**Release 2**

On November 16, 2018, a petroleum release was reported at the facility assigned the UST permit number referenced above. Division records indicate that Broad River C Store LLC, the tank owner at the time of the above referenced release, complied with the regulatory requirements and performed the initial response actions outlined in R.61-92, Section 280.61. Broad River C Store LLC is monitoring the petroleum chemicals of concern.

The release of petroleum products from the facility assigned the UST permit number referenced above is qualified to receive funding under the conditions of the State Underground Petroleum Environmental Response Bank (SUPERB) Act. This means that reasonable costs can be paid by the SUPERB Account for a combined coverage of \$1,000,000 for site rehabilitation actions and third-party claims associated with the release. Broad River C Store LLC as the tank owner at the time of the above referenced release, retains responsibility under state and federal law for any additional actions and associated costs for the release should site rehabilitation cost exceed \$1,000,000.

The SUPERB Act does not preclude or restrict the use or redevelopment of property where a petroleum release has occurred. However, DHEC advises against installing a water supply well for drinking, cooking, or bathing purposes until rehabilitation activities are completed to achieve no further action status or as otherwise approved by DHEC.

To obtain a better understanding of the statutory and regulatory framework regarding releases and/or UST systems, please use the following links:

**South Carolina UST Control Regulations R.61-92**

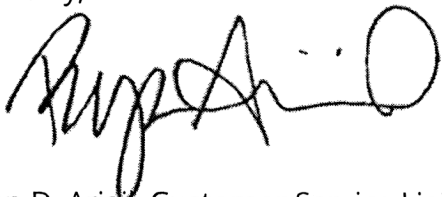
[https://scdhec.gov/sites/default/files/media/document/R.61-92\\_0.pdf](https://scdhec.gov/sites/default/files/media/document/R.61-92_0.pdf)

**State Underground Petroleum Environmental Response Bank Act**

<https://www.scstatehouse.gov/code/t44c002.php>

If you have any questions, please contact me at (803) 898-9418. I can also be reached by email at [ariailrd@dhec.sc.gov](mailto:ariailrd@dhec.sc.gov) or by fax at 803-898-0673.

Sincerely,



Ryan D. Ariail, Customer Service Liaison  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: Technical File



RECEIVED  
SEP 28 2023  
UST DIVISION



S. Jahue Moore†  
James Edward Bradley†  
Sheila McNair Robinson  
Christian G. Spradley  
William H. Edwards  
Stanley L. Myers \*†  
S. Jahue Moore, Jr.  
William B. Fortino  
Ralph Nichols Riley, Jr.  
John C. Bradley, Jr.  
Lester McGill Bell, Jr.

Melissa K. Moore  
Bryan C. Lettner  
Sierra D. Carini  
Lawrence D. Turner  
Emily E. Collins  
Erin R. Conroy

*Retired*  
J. Mark Taylor\*\*  
Robert D. Hazel†  
C. David Sawyer, Jr.†  
Billy C. Coleman (1916-2019)

September 22, 2023

Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
DHEC, UST Division  
2600 Bull Street  
Columbia, SC 29201

RE: Broad River Amoco, 4335 Broad River Rd., Columbia, SC  
UST Permit #11946

Dear Mr. Wykel:

Thank you for taking the time to speak with me on Wednesday, September 20, 2023.

We remain totally frustrated with the conduct of DHEC in regard to this claim. The spill in the matter has been significant. My client has paid the \$25,000 upfront payment. We have provided DHEC over and over again with every document you have requested. We hired a contractor on your approved list. The contractor submitted a cost for remediation. DHEC has done nothing.

I received two letters from you I believe dated August 24, 2023 which appear to be the exact same letter. I do not know why DHEC would have sent me two letters which are exactly the same but I have tried to review both of them.

Apparently, DHEC now requests that we submit an updated cost based upon the fact that DHEC lost or misplaced the original cost and did nothing to follow up on getting the contractor paid. I am sure you can understand our frustration.

I am sending a copy of both your letters to my client and a copy to EnviroRisk.

1700 Sunset Boulevard, West Columbia SC 29169 | PO Box 5709, West Columbia SC 29171

TEL 803.796.9160 FAX 803.791.8410 [www.mbmlawsc.com](http://www.mbmlawsc.com)

\*Member of American Board of Trial Advocates \*Fellow of the American Academy of Matrimonial Lawyers \*Fellow, American College of Trial Lawyers †Retired

September 22, 2023

Matt Wykel, Hydrogeologist

RE: Broad River Amoco, 4335 Broad River Rd., Columbia, SC

UST Permit #11946

Page 2 of 2

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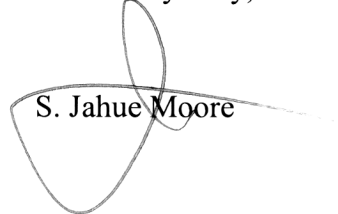
Per our conversation, this will confirm that you have discussed the situation with EnviroRisk and EnviroRisk is updating its cost estimate which I am sure has gone up significantly since we originally submitted everything you told us you needed.

I am asking EnviroRisk to please update the cost projection and send it directly to you.

Please accept this letter as verification that you may have more direct discussions with EnviroRisk. Simply sending correspondence to us slows the process down and we are in great need of having this cleanup done.

Thank you for your help. I understand the confusion with DHEC did not come while the file was in your hands. You have been more than cooperative with me and I appreciate that fact very much. Hopefully, we can get this done.

Yours very truly,



S. Jahue Moore

SJM:dc

Enclosures

cc w/encls.: EnviroRisk  
Mr. Paul Desai

RECEIVED

OCT 16 2023

UST DIVISION

**MBM** MOORE  
BRADLEY  
MYERS



October 11, 2023

S. Jahue Moore†  
James Edward Bradley†  
Sheila McNair Robinson  
Christian G. Spradley  
William H. Edwards  
Stanley L. Myers †\*  
S. Jahue Moore, Jr.  
William B. Fortino  
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*Retired*

J. Mark Taylor\*\*  
Robert D. Hazel†  
C. David Sawyer, Jr.†  
Billy C. Coleman (1916-2019)

Matt Wykel  
S.C. Dept. of Health and Environmental Control  
Bureau of Land and Waste Management  
2600 Bull Street  
Columbia, SC 29201

Re: Broad River Amoco 4335, Broad River Road, Columbia, SC Richland County  
UST Permit 11946

Dear Mr. Wykel:

We would very much like to move ahead with having DHEC authorize and fund the cleanup at this property.

To facilitate this, would you be willing to meet with us and involve our principal geologist, Kenneth Summerour by video link? Mr. Desai and I would be happy to come to your office to set up a meeting and find some way to move this ahead.

We look forward to hearing from you.

Sincerely,

James Edward Bradley

/rhr

cc: Paul Desai  
Ken Summerour

1700 Sunset Boulevard, West Columbia SC 29169 | PO Box 5709, West Columbia SC 29171

TEL 803.796.9160 FAX 803.791.8410 [www.mbmlawsc.com](http://www.mbmlawsc.com)

†Member of American Board of Trial Advocates \*Fellow of the American Academy of Matrimonial Lawyers \*\*Fellow, American College of Trial Lawyers †Retired



NOV 22 2023



FREDERICK CECCHINI  
501 ZANARK DRIVE  
COLUMBIA SC 29212

Re: **Request for Contractor Selection Form**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Richland County

Dear Mr. Cecchini:

The Underground Storage Tank Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has received a response to DHEC's request for bid verification from Broad River C Store LLC's (Mr. Paul Desai) contractor. Broad River C Store LLC is the responsible party for Release #2.

The new bid cost submitted by Envirorisk Consultants totals \$952,000.00. By the way of background, Release #1 occurred at 4335 Broad River Road on January 4, 2011, during your period of ownership. The corrective action following a release can take many years to complete. While the corrective actions from Release #1 were underway but not completed, there was a change in ownership from you to Mr. Paul Desai. However, before corrective actions for Release #1 were completed, Release #2 occurred during the period of ownership of Mr. Desai.

Initially, the UST Division assigned \$547,622.90 in abatement costs following Release #2 solely to your account. After further review was conducted, the UST Division determined that the releases were comingled such that it could not distinguish the damage caused by Release #1 from the damage caused by Release #2. As a result, the abatement costs incurred after Release #2 are now being equally divided between the two releases and SUPERB Account funds will reflect half of the abatement costs attributed to the UST owners/operators responsible for Release #1 and Release #2, in the amount of \$273,811.45 each.

While the abatement costs have been reallocated, the new bid for the proposed corrective action costs are \$952,000.00, equally divided between you and Mr. Desai, in the amount of \$476,000.00 each. After adding the reallocation of the abatement costs to your portion of the corrective action costs, \$202,188.55 in costs are being allocated to your SUPERB Account, with an available balance as of this writing of \$2,316.25.

As a reminder, the administrative costs, abatement costs, corrective action costs, and third-party liability costs above the \$1,000,000 maximum amount allowable

pursuant to the SUPERB Act, as established by S.C. Code Ann. § 44-2-40, are the responsibility of the owner/operator. Based on the current allocation of SUPERB funds, it is possible that the aggregate allowed costs will exceed the SUPERB Account balance for an owner/operator. In your case, this means that you may have \$204,504.80 in corrective action costs not covered by your SUPERB fund account.

**A Contractor Selection Form is required from you. Please complete and submit to DHEC the enclosed Contractor Selection Form within 30 days of the date of this letter. Failure to submit the Contractor Selection Form within 30 days from the date of this letter may result in an enforcement action.**

**Mr. Desai of Broad River C Store LLC, has submitted his Contractor Selection Form to the UST Division. For corrective action to proceed with both releases, a Contractor Selection Form is required from you.**

This correspondence is being sent to you by first class and certified mail to better ensure delivery.

On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-7705, e-mail me at [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,



Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Contractor Selection Form

cc: Colin Thomas Lee Spangler, Wayne Floyd Law Office, 1611 Augusta Road, West Columbia, SC 29169  
(w/ enc)  
Technical File (w/ enc)



NOV 22 2023

**CERTIFIED MAIL**

**9214 8969 0099 9790 1424 4051 19**

FREDERICK CECCHINI  
501 ZANARK DRIVE  
COLUMBIA SC 29212

**Re: Request for Contractor Selection Form**  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #1 reported January 4, 2011  
Release #2 reported November 16, 2018  
Richland County

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Initially, the UST Division assigned \$547,622.90 in abatement costs following Release #2 solely to your account. After further review was conducted, the UST Division determined that the releases were comingled such that it could not distinguish the damage caused by Release #1 from the damage caused by Release #2. As a result, the abatement costs incurred after Release #2 are now being equally divided between the two releases and SUPERB Account funds will reflect half of the abatement costs attributed to the UST owners/operators responsible for Release #1 and Release #2, in the amount of \$273,811.45 each.

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As a reminder, the administrative costs, abatement costs, corrective action costs, and third-party liability costs above the \$1,000,000 maximum amount allowable pursuant to the SUPERB Act, as established by S.C. Code Ann. § 44-2-40, are the responsibility of the owner/operator. Based on the current allocation of SUPERB funds, it is possible that the aggregate allowed costs will exceed the SUPERB Account balance for an owner/operator. In your case, this means that you may have \$204,504.80 in corrective action costs not covered by your SUPERB fund account.

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This correspondence is being sent to you by first class and certified mail to better ensure delivery.

On all correspondence regarding this site, please reference UST Permit #11946. If you have any questions concerning this correspondence, please call me at (803) 898-7705, e-mail me at [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov), or fax me at (803) 898-0673.

Sincerely,



Matt Wykel, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Contractor Selection Form

cc: Colin Thomas Lee Spangler, Wayne Floyd Law Office, 1611 Augusta Road, West Columbia, SC 29169  
(w/ enc)  
Technical File (w/ enc)



## Owner/Operator Contractor Selection Form Underground Storage Tank (UST) Management Division

### 1. CONTRACTOR OF CHOICE

As the current or former UST Owner/Operator and the designated party responsible for the confirmed release reported on the date and permit number provided.

Release Report Date:  
1/4/2011

Permit Number:  
11946

I would like to use the contractor listed below to conduct all site rehabilitation work for the referenced release reported above:

Name of Contractor:

Address:

City:

State:

Zip:

Telephone Number:

Certification Number:

**NOTE:** Site rehabilitation activities must be performed by a S.C. Certified Site Rehabilitation Contractor per Section 44-2-120(A) of the SUPERB Act and Section IV(A) of the S.C. DHEC SUPERB Site Rehabilitation and Fund Access Regulation R.61-98.

### 2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above?

Yes  No

O/O Initial:

**FINANCIAL RELATIONSHIP:** A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.

**FAMILIAL RELATIONSHIP:** A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great-grandchild, step-grandparent, step-great-grandparent, step-grandchild, step-great-grandchild or fiancée.

### 3. PAYMENT

A. The first \$25,000.00 in eligible site rehabilitation costs for releases reported subsequent to July 1, 1993 will be applied against the applicable SUPERB deductible per Section 44-2-40(D) of the SUPERB Act, upon submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment.

B. For eligible costs exceeding the \$25,000.00 deductible, you can pay the contractor and, upon the submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment, be compensated from the SUPERB Account, or have payment issued directly from the SUPERB Account to the contractor. (Check one.)

For eligible costs exceeding the deductible, I request that payment be made to me after I have paid the contractor.

O/O Initial:

- OR -

For eligible costs exceeding the deductible, I request that payment be made directly to the contractor.

O/O Initial:

C. If the release qualifies under amnesty (reported prior to July 1, 1993) per Section 44-2-40(B) of the SUPERB Act, you can pay the contractor and be compensated from the SUPERB Account, or have payment issued directly from the SUPERB Account to the contractor. (Check one.)

For eligible costs, I request that payment be made to me after I have paid the contractor.

O/O Initial:

- OR -

For eligible costs, I request that payment be made directly to the contractor.

O/O Initial:

**NOTE:** As required by the SUPERB Act, all costs must receive prior financial approval from DHEC regardless of payment option.

### 4. UST OWNER/OPERATOR OR PARTY RESPONSIBLE FOR ABOVE REFERENCED RELEASE

Signature:

Date Signed:

Printed Name:

Telephone Number: (        )

Affiliation (if applicable):

Email Address:



Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

RECEIVED
SEP 05 2024
UST DIVISION

To: SCDES (SCDHEC Project Manager)
From: Matt Wykel (Contractor Project Manager)
Contractor: SCDES UST Contractor Certification Number: UCC-0116

Facility Name: Broad River Amoco UST Permit #: 11946
Facility Address: 4335 Broad River Road
Responsible Party: Frederich Cechinni and Broad River C Store
RP Address:
Property Owner (if different):
Property Owner Address: Commercial
Current Use of Property: Gas Station



Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, Other, GAC

Analyses (Please check all that apply)

- Groundwater/Surface Water: BTEXNMDCA, Oxygenates, EDB, PAH, Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron
Drinking Water Supply Wells: BTEXNMDCA, Oxygenates & Ethanol, Mercury, RCRA Metals, EDB
Soil: BTEXNM, PAH, Lead, RCRA Metals, Oil & Grease, TPH-DRO, TPH-GRO, Grain Size, TOC
Air: BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

Soil, Water Supply Wells, Air, Field Blank, Monitoring Wells, Surface Water, Duplicate, Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: Estimated Footage: feet per point
# of deep points proposed: Estimated Footage: feet per point
Field Screening Methodology:

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: Estimated Footage: feet per point
# of deep wells: Estimated Footage: feet per point
# of recovery wells: Estimated Footage: feet per point
Comments, if warranted:

UST Permit #: 11946 Facility Name: Broad River Amoco

**Implementation Schedule** (Number of calendar days from approval)

Field Work Start-Up: 9/10/2024 Field Work Completion: 9/10/2024

Report Submittal: 10/15/2024 # of Copies Provided to Property Owners: 1

**Aquifer Characterization**

Pump Test:  Slug Test:  (Check one and provide explanation below for choice)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**

Soil: \_\_\_\_\_ Tons Purge Water: \_\_\_\_\_ Gallons

Drilling Fluids: \_\_\_\_\_ Gallons Free-Phase Product: \_\_\_\_\_ Gallons

**Additional Details For This Scope of Work**

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

Sampling 20 groundwater monitoring wells on the Saville Property

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**

\_\_\_\_ Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: Pace Analytical Services

SCDHEC Certification Number: \_\_\_\_\_

Name of Laboratory Director: \_\_\_\_\_

\_\_\_\_ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: \_\_\_\_\_

SCLLR Certification Number: \_\_\_\_\_

\_\_\_\_ Other variations from ACQAP. Please describe below.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

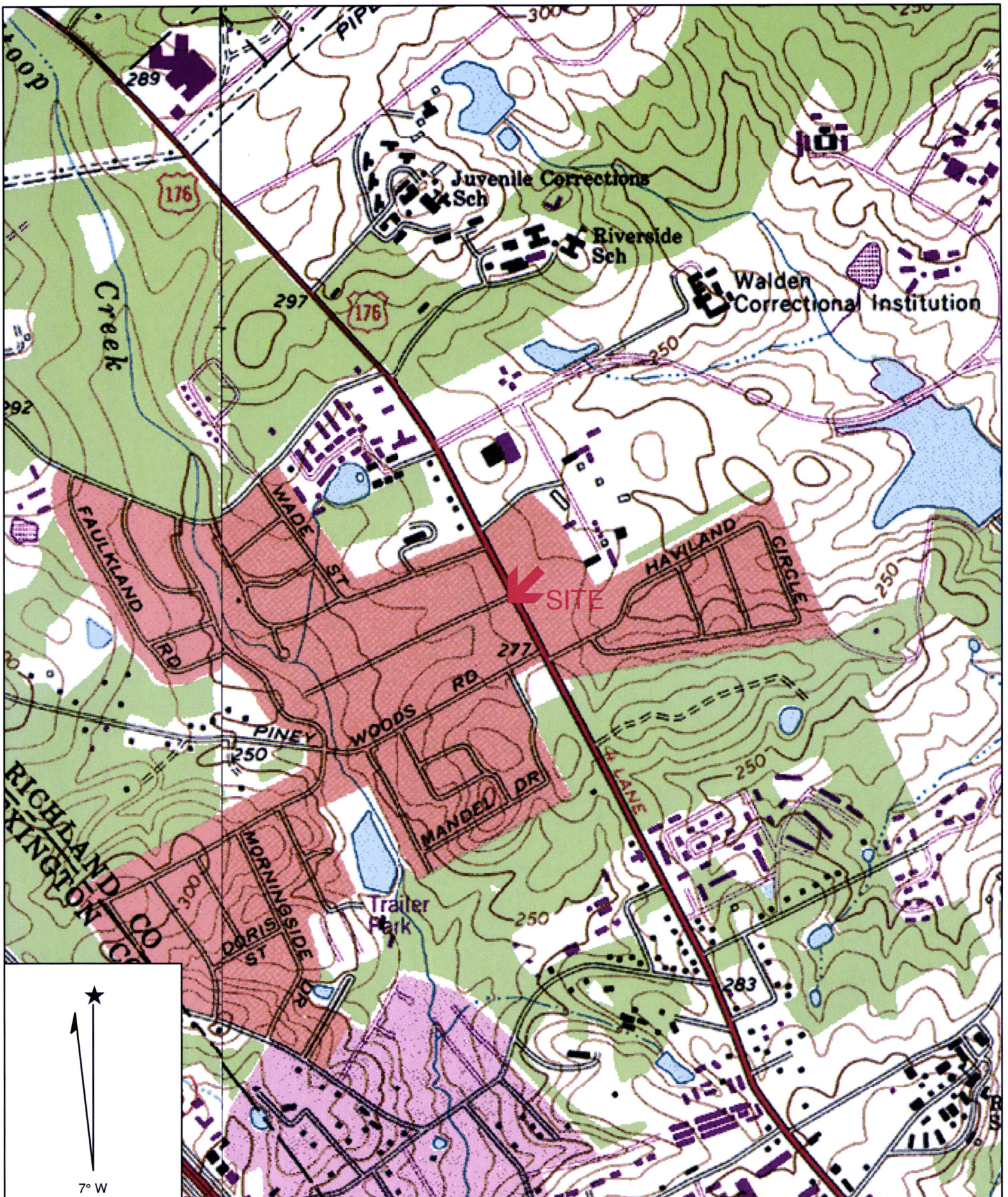
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:

North Arrow	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

**SOUTH CAROLINA DEPARTMENT OF  
HEALTH AND ENVIRONMENTAL CONTROL**

**DHEC FORM D-0653  
Instructions for Completing**

- Form's title – Site Specific Work Plan
  
- Form's purpose – The purpose of this form is for the South Carolina certified site rehabilitation contractor to identify all specific components of the work scope to be conducted.
  
- Who will complete the form (audience) – The South Carolina certified site rehabilitation contractor.
  
- Enough instruction to guide the person completing the form.
  - o Fill in all UST facility information.
  
  - o Address all boxes with correct information that pertain to the specified scope of work.
  
  - o Include all required attachments as listed at the bottom of page 2 of this form document.
  
- Form is scanned and saved electronically - Record Group Number 169, Retention Schedule 13300

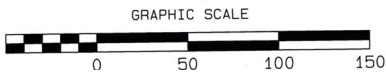
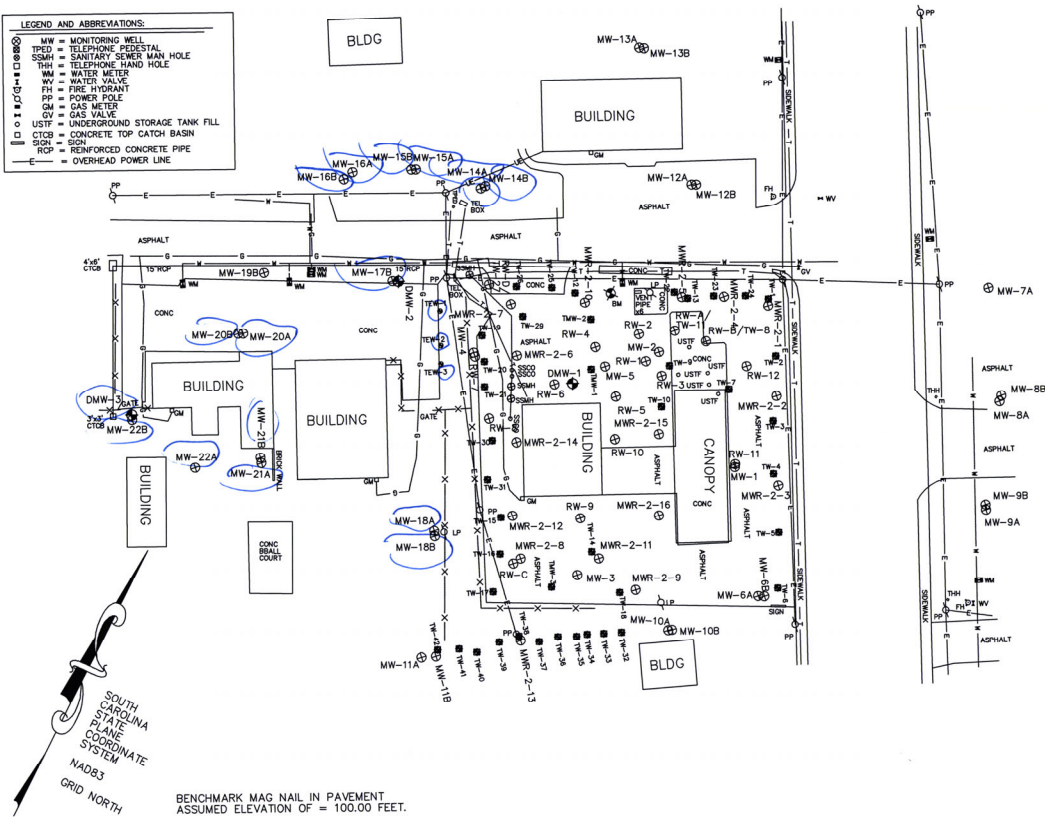


Name: COLUMBIA NORTH  
 Date: 5/8/2019  
 Scale: 1 inch equals 1000 feet

Location: 034° 03' 54.9" N 081° 07' 01.6" W  
 Caption: Figure 1  
 Broad River Amoco, Site 11946  
 CTSI Proj. No. 18-6580

**LEGEND AND ABBREVIATIONS:**

	MW = MONITORING WELL
	TPED = TELEPHONE PEDESTAL
	SSMH = SANITARY SEWER MAN HOLE
	THH = TELEPHONE HAND HOLE
	WM = WATER METER
	WV = WATER VALVE
	FH = FIRE HYDRANT
	PP = POWER POLE
	GM = GAS METER
	GV = GAS VALVE
	USTF = UNDERGROUND STORAGE TANK FILL
	CTCB = CONCRETE TOP CATCH BASIN
	RCP = REINFORCED CONCRETE PIPE
	E = OVERHEAD POWER LINE



	<b>CTSI</b>	
	Geotechnical Engineering and Environmental Services IRMO, SOUTH CAROLINA	
Date: 4/19/19	SCALE: SEE GRAPHIC	Dwg: BASEMAP

FIGURE 2A  
BROAD RIVER AMOCO  
UST ID#11946  
CTSI PROJ. 18-6580  
COLUMBIA  
SOUTH CAROLINA

## Access to Saville Property on Tuesday September 10, 2024

James M. Wykel <James.Wykel@des.sc.gov>

Thu 9/5/2024 10:15 AM

To: Bbruner@brunerpowell.com <Bbruner@brunerpowell.com>

Cc: Debra L. Thoma <Debra.Thoma@des.sc.gov>

Mr. Bruner



Per our phone conversation on September 5, 2024, SCDES would like to get updated sampling data from the wells on the Saville Properties located on Dothan Road. SCDES staff plan on conducting the work on Tuesday September 10th. Could you please reach out to the Saville's to make sure this time and date are adequate?

Thanks,

Matt Wykel

**James Wykel**

**Hydrogeologist III**

**UST Division**

O: 803-898-7705

james.wykel@des.sc.gov

DES.SC.gov







SC DEPARTMENT of  
**ENVIRONMENTAL  
SERVICES**

**Matt Wykel**  
**Corrective Action and Quality Assurance Section**  
**Underground Storage Tank Management Division**  
2600 Bull Street  
Columbia, SC 29201

JONATHAN BIDDIX  
PACE ANALYTICAL SERVICES  
9800 KINCEY AVE STE 100  
HUNTERSVILLE NC 28078

SEP 10 2024

Re: Notice to Proceed Laboratory Analyses Approval  
Analytical Laboratory Services Contract  
Solicitation #5400027007, PO #4601022337  
Broad River Amoco, 4335 Broad River Road, Columbia, SC  
UST Permit #11946  
Release #1 reported date January 4, 2011; CA #69143  
Release #2 reported date November 16, 2018; CA #69144  
Richland County



Dear Mr. Biddix:

Under the terms and conditions of the referenced bid package, analytical sampling has been approved for the referenced facility. Please reference the CA numbers and Purchase Order number on the appropriate invoice submitted for payment against the referenced release.

If you have any site-specific questions, please contact me by email [james.wykel@des.sc.gov](mailto:james.wykel@des.sc.gov) or phone (803) 898-7705. If you have any contract specific questions, please contact Robert Dunn by email [Robert.Dunn@des.sc.gov](mailto:Robert.Dunn@des.sc.gov) or phone (803) 898-0671.

Sincerely,

**Matt Wykel**  
Hydrogeologist

Enc: Approved Cost Agreements

Cc: Robert Dunn, UST Management Division (w/CA)  
Technical File (w/Enc)

**Approved Cost Agreement****69144**

Facility: 11946 BROAD RIVER AMOCO

WYKELJM

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
K ANALYSES					
	GW GROUNDWATER	1.2 BTEXNM+OXYGS+1,2 DCA+ETH 8260D	11.5000	\$25.000	287.50
		7.2 EDB BY EPA 8011	11.0000	\$23.000	253.00
			<b>Total Amount</b>		<b>540.50</b>

# Approved Cost Agreement

69143

Facility: 11946 BROAD RIVER AMOCO

WYKELJM

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
K ANALYSES	GW GROUNDWATER	1.2 BTEXNM+OXYGS+1,2 DCA+ETH 8260D	11.5000	\$25.000	287.50
		7.2 EDB BY EPA 8011	11.0000	\$23.000	253.00
		<b>Total Amount</b>			540.50



**Underground Storage Tank Management Division  
Field Data Information Sheet – Groundwater Sampling**

**Site Information**

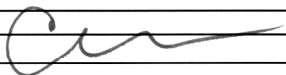
Date: 09/10/2024	Site ID #: 11946	Site Name: Broad River Amoco
County: Richland	Project Manager: M. Wykel	Field Personnel: C. White, R. Kellett, E. Epperson, A. Hayes

**Well Sampling Information**

Well ID	Time	Sampled Y/N	Screen Interval (ft.)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	D.O. (mg/L)	Temp. (°C)	Specific Conductivity (µmohs/cm)	pH (S.U.)	Turbidity (NTU)	Notes (e.g., Odor, No Odor, Product, etc.)
MW-11A	1245	Y	10-20	-	~0.25	N/A						3 inches from top
MW-11B	1235	Y	29-39	-	1.65	N/A						
MW-17B	1000	Y	29.5-39.5	-	5.88	N/A						
MW-18A	1140	Y	3-13	-	0.99	N/A						
MW-18B	1150	Y	25-35	-	0.98	N/A						
MW-19B	1025	Y	24-34	-	6.06	N/A						
MW-20A	1020	Y	5-15	-	1.82	N/A						
MW-20B	1030	Y	25-35	-	2.45	N/A						
MW-21A	1105	Y	2-12	-	1.89	N/A						
MW-21B	1110	Y	25-35	-	2.12	N/A						
MW-22A	1120	Y	2-8	-	1.70	N/A						
MW-22B	1050	Y	25-35	-	1.82	N/A						
DMW-2	1005	Y	60-65	-	5.84	N/A						
DMW-3	1048	Y	60-65	-	1.71	N/A						
TEW-1	1130	Y	UNK	-	4.15	N/A						SHEEN



Comments: FB @1203; DUP=MW=19B

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
Signature: 



**Underground Storage Tank Management Division  
Field Data Information Sheet – Groundwater Sampling**

**Site Information**

Date: 09/10/2024	Site ID #: 11946	Site Name: Broad River Amoco
County: Richland	Project Manager: M. Wykel	Field Personnel: C.White, E. Epperson, R. Kellett, A. Hayes

**Well Sampling Information**

Well ID	Time	Sampled Y/N	Screen Interval (ft.)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	D.O. (mg/L)	Temp. (°C)	Specific Conductivity (µmohs/cm)	pH (S.U.)	Turbidity (NTU)	Notes (e.g., Odor, No Odor, Product, etc.)
TEW-2	1125	Y	UNK	-	2.43	-						SCREEN
TEW-3	1135	Y	UNK	-	2.40	-						SCREEN
DUP	-	Y	-	-	-	-						MW-19B
FB	1203	Y	-	-	-	-						

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

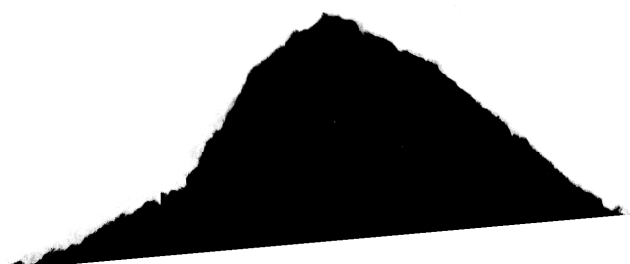
Signature:

**TABLE 2**  
**Potentiometric Data**  
**March 20, 2019**  
**Broad River Amoco, UST Site 11946**  
**Columbia SC**

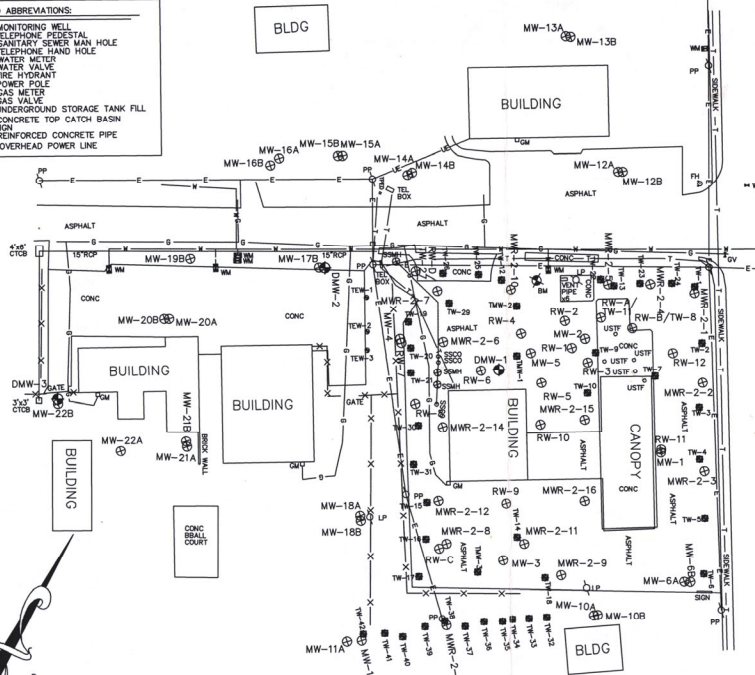
Well Name	TOC Elevation	Screened Interval (ft.)	Depth to FP (ft.)	Depth to Water (ft.)	Corrected DTW	GW Elevation	Notes
MW-1	101.84	20.0-40.0		10.16		91.68	
MW-2	101.13	18.0-28.0	9.35	9.84	10.23	90.90	
MW-3	101.09	21.0-31.0		9.59		91.5	
MW-4	97.02	15.0-25.0		8.33		88.69	
MW-5	101.34	10.0-20.0	8.26	8.45	8.60	92.74	
MW-6A	101.84	15.5-25.5		10.19		91.65	
MW-6B	101.91	28.5-38.5		10.25		91.66	
MW-7A	100.04	14.0-24.0		8.1		91.94	
MW-8A	100.45	13.0-23.0		8.98		91.47	
MW-8B	100.37	27.5-37.5		8.7		91.67	
MW-9A	101.36	13.0-23.0		9.79		91.57	
MW-9B	101.38	21.5-31.5		9.73		91.65	
MW-10A	97.2	7.5-17.5		4.82		92.38	
MW-10B	97.34	29.0-39.0		5.71		91.63	
MW-11A	89.93	10.0-20.0	1155 (1245)				Artesian; At least 0.10 ft above casing
MW-11B	90.26	29.0-39.0	1235				Artesian; At least 0.13 ft above casing
MW-12A	99.26	10.0-20.0		9		90.26	
MW-12B	99.35	26.5-36.5		10		89.35	
MW-13A	98.7	12.0-22.0		9.5		89.2	
MW-13B	98.69	23.5-33.5		12.48		86.21	
MW-14A	97.49	10.0-20.0		3.89		93.6	
MW-14B	97.45	28.5-38.5		9.31		88.14	
MW-15A	96.87	7.0-17.0		8.68		88.19	
MW-15B	96.82	30.0-40.0		9.29		87.53	
MW-16A*	94.72	8.0-18.0		11.98		82.74	
MW-16B*	94.62	27.0-37.0		9.14		85.48	
MW-17B	92.69	29.5-39.5	1000	5.08		87.61	
MW-18A	88.2	3.0-13.0	1140	0.94		87.26	
MW-18B	8.3	25.0-35.0	1150				Artesian; At least 0.14 ft above casing
MW-19A	91.63	5.0-15.0		NM			
MW-19B	91.69	24.0-34.0	1025	4.95		86.74	
MW-20A	88.67	5.0-15.0	1020	1.44		87.23	
MW-20B	88.61	25.0-35.0	1030	1.6		87.01	
MW-21A	87.16	2.0-12.0	1105	0.73		86.43	
MW-21B	87.23	25.0-35.0	1110	0.63		86.6	
MW-22A*	87.25	2.0-8.0	1120	1.03		86.22	
MW-22B	87.4	25.0-35.0	1090	1.01		86.39	
MWR2-1	101.01	8-18		6.53		94.48	
MWR2-2	101.32	8-18		8.66		92.66	
MWR2-3	101.47	9-19		9.79		91.68	
MWR2-4	100.31	8-18		8.09		92.22	
MWR2-5	100.24	5-15		6.73		93.51	
MWR2-6	98.41	5-15	7.25	7.43	7.57	90.84	
MWR2-7	96.39	5-15	5.85	5.91	5.96	90.43	
MWR2-8	99.86	2.5-12.5					All Free Product
MWR2-9	101.55	8-18		9.86		91.69	
MWR2-10	99.48	7-17		7.92		91.56	
MWR2-11	101.58	8-18		9.47		92.11	
MWR2-12	99.45	8-18		10.04		89.41	
MWR2-13	92.94	1-11		1.62		91.32	
MWR2-14	98.77	9-19		8.58		90.19	
MWR2-15	101.87	8-18		9.68		92.19	
MWR2-16	101.84	9-19		10.22		91.62	
DMW-1	101.16	60.0-65.0		10.13		91.03	
DMW-2	92.63	60.0-65.0	1045	4.78		87.85	
DMW-3	87.41	60.0-65.0	1045	0.91		86.5	

U  
 TEWI 1130  
 2 1125  
 3 1135

EB = 1203  
 DWP = 19B  
 TB

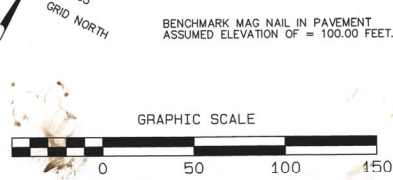


- LEGEND AND ABBREVIATIONS:**
- MW = MONITORING WELL
  - TRED = TELEPHONE PEDESTAL
  - SSMH = SANITARY SEWER MAN HOLE
  - THH = TELEPHONE HAND HOLE
  - WM = WATER METER
  - WV = WATER VALVE
  - FH = FIRE HYDRANT
  - PP = POWER POLE
  - GM = GAS METER
  - GV = GAS VALVE
  - USTF = UNDERGROUND STORAGE TANK FILL
  - CTCB = CONCRETE TOP CATCH BASIN
  - USIP = UNDERGROUND STORAGE TANK FILL
  - SR = SIGN
  - RCP = REINFORCED CONCRETE PIPE
  - E = OVERHEAD POWER LINE



DTW / JA	
18B = .98'	33' 1.00'
18A	41'
11B	3.89' 1.65'
11A	3.25' ~ 3"
TEW3	2.4'
TEW2	2.43'
TEW1	4.15'
18B	6.06'

FB 1203  
TE'S  
11 >



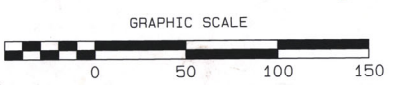
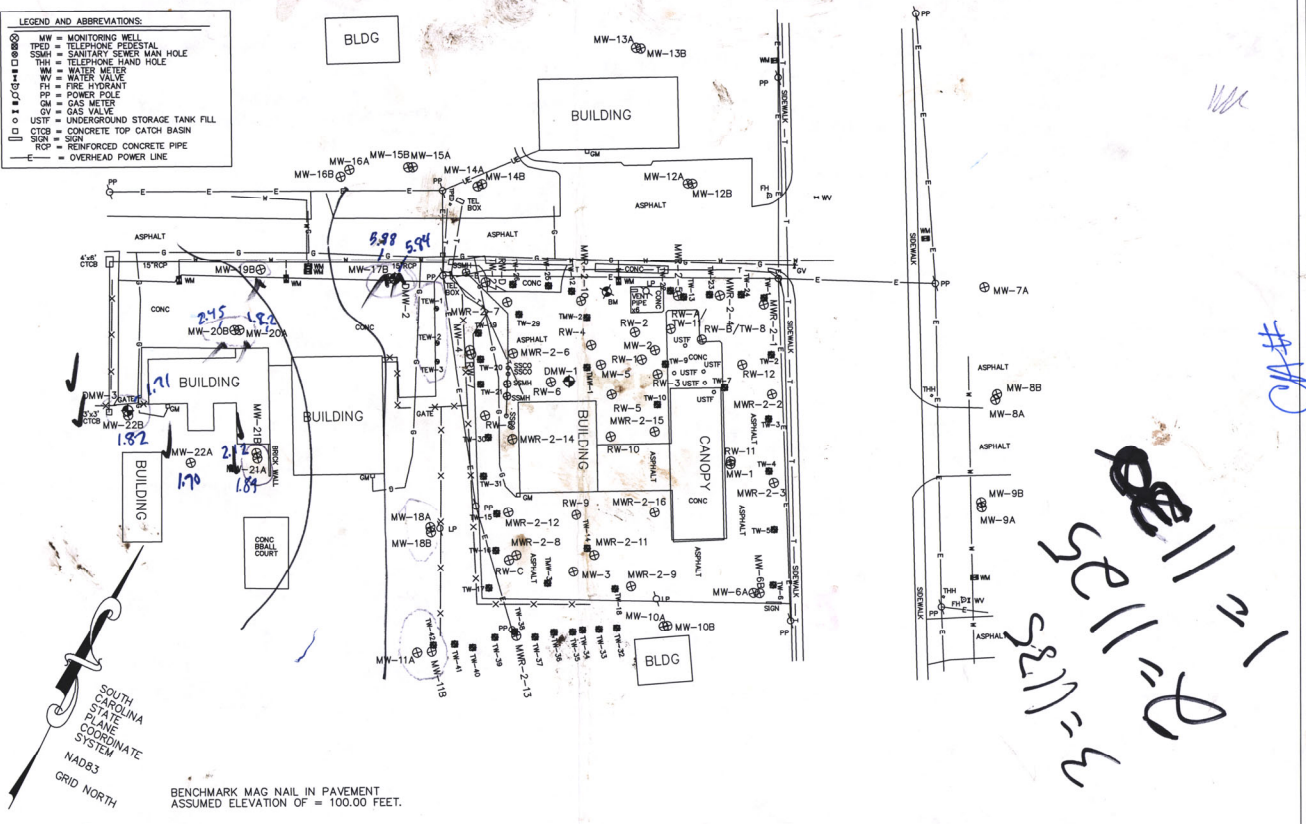
BENCHMARK MAG NAIL IN PAVEMENT  
ASSUMED ELEVATION OF = 100.00 FEET.

**CTSI**  
Geotechnical Engineering and Environmental Services  
IRMO, SOUTH CAROLINA

Date: 4/19/19    SCALE: SEE GRAPHIC    Dwg: BASEMAP

FIGURE 2A  
BROAD RIVER AMOCO  
UST ID# 11946  
CTSI PROJ. 18-6580  
COLUMBIA  
SOUTH CAROLINA

- LEGEND AND ABBREVIATIONS:**
- MW = MONITORING WELL
  - TRFD = TELEPHONE PERESTAL
  - SSMH = SANITARY SEWER MAN HOLE
  - THH = TELEPHONE HAND HOLE
  - WM = WATER METER
  - WV = WATER VALVE
  - PH = FIRE HYDRANT
  - PP = POWER POLE
  - GM = GAS METER
  - GV = GAS VALVE
  - USTF = UNDERGROUND STORAGE TANK FILL
  - CTOB = CONCRETE TOP CATCH BASIN
  - SSB = SIGN
  - RCP = REINFORCED CONCRETE PIPE
  - OP = OVERHEAD POWER LINE



**CTSI**  
Geotechnical Engineering and Environmental Services  
IRMO, SOUTH CAROLINA

Date: 4/19/19 SCALE: SEE GRAPHIC Dwg: BASEMAP

FIGURE 2A  
BROAD RIVER AMOCO  
UST ID# 11946  
CTSI PROJ. 18-6580  
COLUMBIA  
SOUTH CAROLINA

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Pace Analytical Services, LLC  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

*Matt*

September 27, 2024

RECEIVED  
OCT 04 2024  
UST DIVISION

Robert Dunn  
SCDES  
2600 Bull St  
Columbia, SC 29201



RE: Project: UST 11946/691444  
Pace Project No.: 92753000

Dear Robert Dunn:

Enclosed are the analytical results for sample(s) received by the laboratory on September 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 National - Mt. Juliet
- Pace Analytical Services - Charlotte

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

Sincerely,

*[Signature]*

Jonathan W Biddix  
jonathan.biddix@pacelabs.com  
704-977-0978  
Project Manager

Enclosures

cc: Quincey Hoffer, SCDES



**REPORT OF LABORATORY ANALYSIS**

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## CERTIFICATIONS

Project: UST 11946/691444  
Pace Project No.: 92753000

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### Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122  
Alabama Certification #: 40660  
Alaska Certification #: 17-026  
Arizona Certification #: AZ0612  
Arkansas Certification #: 88-0469  
California Certification #: 2932  
Canada Certification #: 1461.01  
Colorado Certification #: TN00003  
Connecticut Certification #: PH-0197  
DOD Certification #: #1461.01  
EPA# TN00003  
Florida Certification #: E87487  
Georgia DW Certification #: 923  
Georgia Certification: NELAP  
Idaho Certification #: TN00003  
Illinois Certification #: 200008  
Indiana Certification #: C-TN-01  
Iowa Certification #: 364  
Kansas Certification #: E-10277  
Kentucky UST Certification #: 16  
Kentucky Certification #: 90010  
Louisiana Certification #: AI30792  
Louisiana DW Certification #: LA180010  
Maine Certification #: TN0002  
Maryland Certification #: 324  
Massachusetts Certification #: M-TN003  
Michigan Certification #: 9958  
Minnesota Certification #: 047-999-395  
Mississippi Certification #: TN00003  
Missouri Certification #: 340  
Montana Certification #: CERT0086  
Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34  
New Hampshire Certification #: 2975  
New Jersey Certification #: TN002  
New Mexico DW Certification  
New York Certification #: 11742  
North Carolina Aquatic Toxicity Certification #: 41  
North Carolina Drinking Water Certification #: 21704  
North Carolina Environmental Certificate #: 375  
North Dakota Certification #: R-140  
Ohio VAP Certification #: CL0069  
Oklahoma Certification #: 9915  
Oregon Certification #: TN200002  
Pennsylvania Certification #: 68-02979  
Rhode Island Certification #: LAO00356  
South Carolina Certification #: 84004  
South Dakota Certification  
Tennessee DW/Chem/Micro Certification #: 2006  
Texas Certification #: T 104704245-17-14  
Texas Mold Certification #: LAB0152  
USDA Soil Permit #: P330-15-00234  
Utah Certification #: TN00003  
Virginia Certification #: VT2006  
Vermont Dept. of Health: ID# VT-2006  
Virginia Certification #: 460132  
Washington Certification #: C847  
West Virginia Certification #: 233  
Wisconsin Certification #: 998093910  
Wyoming UST Certification #: via A2LA 2926.01  
A2LA-ISO 17025 Certification #: 1461.01  
A2LA-ISO 17025 Certification #: 1461.02  
AIHA-LAP/LLC EMLAP Certification #:100789

### Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006  
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001  
South Carolina Drinking Water Cert. #: 99006003  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Louisiana DoH Drinking Water #: LA029  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: UST 11946/691444  
Pace Project No.: 92753000

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92753000001	MW-17B	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JHH	20	PAN
92753000002	MW-22B	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW	20	PAN
92753000003	DMW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JHH	20	PAN
92753000004	DMW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JHH	20	PAN
92753000005	DUP	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW	20	PAN
92753000006	TRIP BLANK	EPA 8260D	DYW	20	PAN
92753000007	TEW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JHH	20	PAN
92753000008	TEW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JHH	20	PAN
92753000009	TEW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW	20	PAN
92753000010	MW-11A	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW	20	PAN
92753000011	MW-11B	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JCP	20	PAN
92753000012	MW-18A	EPA 8011	HH	2	PASI-C
		EPA 8260D	DYW, JCP	20	PAN
92753000013	MW-18B	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000014	MW-21A	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000015	MW-22A	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000016	FIELD BLANK	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000017	MW-20B	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000018	MW-20A	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN
92753000019	MW-19B	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: UST 11946/691444  
Pace Project No.: 92753000

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92753000020	MW-21B	EPA 8011	HH	2	PASI-C
		EPA 8260D	JCP	20	PAN

---

PAN = Pace National - Mt. Juliet

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: UST 11946/691444  
Pace Project No.: 92753000

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92753000001</b>	<b>MW-17B</b>					
EPA 8260D	Benzene	110	ug/L	1.00	09/20/24 21:54	
EPA 8260D	Diisopropyl ether	5.75	ug/L	1.00	09/20/24 21:54	
EPA 8260D	Ethyl-tert-butyl ether	2.50	ug/L	1.00	09/20/24 21:54	
EPA 8260D	Ethylbenzene	0.989J	ug/L	1.00	09/20/24 21:54	J
EPA 8260D	m&p-Xylene	3.48	ug/L	2.00	09/20/24 21:54	
EPA 8260D	Methyl-tert-butyl ether	383	ug/L	20.0	09/25/24 04:26	H1
EPA 8260D	Naphthalene	14.1	ug/L	5.00	09/20/24 21:54	
EPA 8260D	o-Xylene	15.6	ug/L	1.00	09/20/24 21:54	
EPA 8260D	tert-Amyl Alcohol	733	ug/L	50.0	09/20/24 21:54	
EPA 8260D	tert-Amylmethyl ether	1.70	ug/L	1.00	09/20/24 21:54	
EPA 8260D	tert-Butyl Alcohol	2720	ug/L	100	09/25/24 04:26	H1
EPA 8260D	Xylene (Total)	19.1	ug/L	3.00	09/20/24 21:54	
<b>92753000002</b>	<b>MW-22B</b>					
EPA 8260D	Diisopropyl ether	0.118J	ug/L	1.00	09/20/24 22:15	J
EPA 8260D	Methyl-tert-butyl ether	8.26	ug/L	1.00	09/20/24 22:15	
EPA 8260D	Naphthalene	1.20J	ug/L	5.00	09/20/24 22:15	J
EPA 8260D	tert-Amyl Alcohol	6.56J	ug/L	50.0	09/20/24 22:15	J
EPA 8260D	tert-Butyl Alcohol	12.8	ug/L	5.00	09/20/24 22:15	
<b>92753000003</b>	<b>DMW-2</b>					
EPA 8260D	1,2-Dichloroethane	0.411J	ug/L	1.00	09/20/24 22:36	J
EPA 8260D	Benzene	3.30	ug/L	1.00	09/20/24 22:36	
EPA 8260D	Diisopropyl ether	4.62	ug/L	1.00	09/20/24 22:36	
EPA 8260D	Ethyl-tert-butyl ether	1.41	ug/L	1.00	09/20/24 22:36	
EPA 8260D	Methyl-tert-butyl ether	506	ug/L	20.0	09/25/24 04:48	H1
EPA 8260D	tert-Amyl Alcohol	466	ug/L	50.0	09/20/24 22:36	
EPA 8260D	tert-Amylmethyl ether	2.29	ug/L	1.00	09/20/24 22:36	
EPA 8260D	tert-Butyl Alcohol	1510	ug/L	100	09/25/24 04:48	H1
<b>92753000004</b>	<b>DMW-3</b>					
EPA 8260D	Methyl-tert-butyl ether	0.176J	ug/L	1.00	09/25/24 00:26	H1,J
<b>92753000005</b>	<b>DUP</b>					
EPA 8260D	Benzene	11.3	ug/L	1.00	09/20/24 09:21	
EPA 8260D	Ethylbenzene	0.161J	ug/L	1.00	09/20/24 09:21	J
EPA 8260D	m&p-Xylene	3.13	ug/L	2.00	09/20/24 09:21	
EPA 8260D	Methyl-tert-butyl ether	1.12	ug/L	1.00	09/20/24 09:21	
EPA 8260D	o-Xylene	0.499J	ug/L	1.00	09/20/24 09:21	J
EPA 8260D	tert-Amyl Alcohol	9.25J	ug/L	50.0	09/20/24 09:21	C3,J
EPA 8260D	tert-Butyl Alcohol	13.0	ug/L	5.00	09/20/24 09:21	
EPA 8260D	Toluene	0.515J	ug/L	1.00	09/20/24 09:21	J
EPA 8260D	Xylene (Total)	3.63	ug/L	3.00	09/20/24 09:21	
<b>92753000007</b>	<b>TEW-1</b>					
EPA 8260D	Benzene	2890	ug/L	100	09/25/24 05:10	H1
EPA 8260D	Diisopropyl ether	2.54J	ug/L	10.0	09/20/24 23:58	J
EPA 8260D	Ethylbenzene	228	ug/L	10.0	09/20/24 23:58	
EPA 8260D	m&p-Xylene	463	ug/L	20.0	09/20/24 23:58	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: UST 11946/691444  
Pace Project No.: 92753000

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92753000007</b>	<b>TEW-1</b>					
EPA 8260D	Methyl-tert-butyl ether	61.0	ug/L	10.0	09/20/24 23:58	
EPA 8260D	Naphthalene	36.6J	ug/L	50.0	09/20/24 23:58	J
EPA 8260D	o-Xylene	29.4	ug/L	10.0	09/20/24 23:58	
EPA 8260D	tert-Amyl Alcohol	463J	ug/L	500	09/20/24 23:58	J
EPA 8260D	tert-Butyl Alcohol	154	ug/L	50.0	09/20/24 23:58	
EPA 8260D	Toluene	54.7	ug/L	10.0	09/20/24 23:58	
EPA 8260D	Xylene (Total)	492	ug/L	30.0	09/20/24 23:58	
<b>92753000008</b>	<b>TEW-2</b>					
EPA 8260D	Benzene	192	ug/L	20.0	09/25/24 05:33	H1
EPA 8260D	Ethylbenzene	26.8	ug/L	20.0	09/21/24 00:18	
EPA 8260D	m&p-Xylene	31.7J	ug/L	40.0	09/21/24 00:18	J
EPA 8260D	Methyl-tert-butyl ether	2.09J	ug/L	20.0	09/21/24 00:18	J
EPA 8260D	o-Xylene	8.26J	ug/L	20.0	09/21/24 00:18	J
EPA 8260D	Xylene (Total)	40.0J	ug/L	60.0	09/21/24 00:18	J
<b>92753000009</b>	<b>TEW-3</b>					
EPA 8260D	Benzene	4.33	ug/L	1.00	09/20/24 23:17	
EPA 8260D	Ethylbenzene	1.09	ug/L	1.00	09/20/24 23:17	
EPA 8260D	m&p-Xylene	0.870J	ug/L	2.00	09/20/24 23:17	J
EPA 8260D	Methyl-tert-butyl ether	5.48	ug/L	1.00	09/20/24 23:17	
EPA 8260D	o-Xylene	0.231J	ug/L	1.00	09/20/24 23:17	J
EPA 8260D	tert-Butyl Alcohol	4.46J	ug/L	5.00	09/20/24 23:17	J
EPA 8260D	Xylene (Total)	1.10J	ug/L	3.00	09/20/24 23:17	J
<b>92753000010</b>	<b>MW-11A</b>					
EPA 8260D	1,2-Dichloroethane	0.180J	ug/L	1.00	09/20/24 23:37	J
EPA 8260D	Benzene	4.33	ug/L	1.00	09/20/24 23:37	
EPA 8260D	Diisopropyl ether	0.374J	ug/L	1.00	09/20/24 23:37	J
EPA 8260D	Methyl-tert-butyl ether	0.777J	ug/L	1.00	09/20/24 23:37	J
<b>92753000011</b>	<b>MW-11B</b>					
EPA 8260D	Benzene	1.94	ug/L	1.00	09/26/24 00:24	H1
EPA 8260D	Diisopropyl ether	0.368J	ug/L	1.00	09/21/24 15:55	J
EPA 8260D	Methyl-tert-butyl ether	0.750J	ug/L	1.00	09/21/24 15:55	J
<b>92753000012</b>	<b>MW-18A</b>					
EPA 8260D	Diisopropyl ether	1.45	ug/L	1.00	09/21/24 16:16	
EPA 8260D	Methyl-tert-butyl ether	6.17	ug/L	1.00	09/21/24 16:16	
EPA 8260D	tert-Amyl Alcohol	415	ug/L	50.0	09/21/24 16:16	
EPA 8260D	tert-Amylmethyl ether	0.733J	ug/L	1.00	09/21/24 16:16	J
EPA 8260D	tert-Butyl Alcohol	48.8	ug/L	5.00	09/21/24 16:16	L0,R1
<b>92753000013</b>	<b>MW-18B</b>					
EPA 8260D	Benzene	0.104J	ug/L	1.00	09/21/24 16:36	J
EPA 8260D	Methyl-tert-butyl ether	0.615J	ug/L	1.00	09/21/24 16:36	J
<b>92753000014</b>	<b>MW-21A</b>					
EPA 8260D	Methyl-tert-butyl ether	1.92	ug/L	1.00	09/21/24 16:58	
EPA 8260D	tert-Butyl Alcohol	17.6	ug/L	5.00	09/21/24 16:58	L0,R1

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### SUMMARY OF DETECTION

Project: UST 11946/691444

Pace Project No.: 92753000

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92753000017</b>	<b>MW-20B</b>					
EPA 8260D	Methyl-tert-butyl ether	11.9	ug/L	1.00	09/21/24 17:40	
<b>92753000019</b>	<b>MW-19B</b>					
EPA 8260D	Benzene	2.80	ug/L	1.00	09/21/24 18:21	
EPA 8260D	m&p-Xylene	1.02J	ug/L	2.00	09/21/24 18:21	J
EPA 8260D	Methyl-tert-butyl ether	1.28	ug/L	1.00	09/21/24 18:21	
EPA 8260D	tert-Amyl Alcohol	9.09J	ug/L	50.0	09/21/24 18:21	J
EPA 8260D	tert-Butyl Alcohol	14.7	ug/L	5.00	09/21/24 18:21	L0,R1
EPA 8260D	Xylene (Total)	1.02J	ug/L	3.00	09/21/24 18:21	J
<b>92753000020</b>	<b>MW-21B</b>					
EPA 8260D	Diisopropyl ether	0.139J	ug/L	1.00	09/21/24 18:42	J
EPA 8260D	Methyl-tert-butyl ether	22.8	ug/L	1.00	09/21/24 18:42	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: MW-17B		Lab ID: 92753000001	Collected: 09/10/24 10:00	Received: 09/11/24 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 14:05	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	94	%	60-140	1	09/13/24 10:39	09/14/24 14:05	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 21:54	09/20/24 21:54	624-95-3	
Benzene	110	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	71-43-2	
Diisopropyl ether	5.75	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 21:54	09/20/24 21:54	64-17-5	R1
Ethyl-tert-butyl ether	2.50	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	637-92-3	
Ethylbenzene	0.989J	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	100-41-4	J
m&p-Xylene	3.48	ug/L	2.00	1	09/20/24 21:54	09/20/24 21:54	179601-23-1	
Methyl-tert-butyl ether	383	ug/L	20.0	20	09/25/24 04:26	09/25/24 04:26	1634-04-4	H1
Naphthalene	14.1	ug/L	5.00	1	09/20/24 21:54	09/20/24 21:54	91-20-3	
o-Xylene	15.6	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	95-47-6	
tert-Amyl Alcohol	733	ug/L	50.0	1	09/20/24 21:54	09/20/24 21:54	75-85-4	
tert-Amylmethyl ether	1.70	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	994-05-8	
tert-Butyl Alcohol	2720	ug/L	100	20	09/25/24 04:26	09/25/24 04:26	75-65-0	H1
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 21:54	09/20/24 21:54	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 21:54	09/20/24 21:54	108-88-3	
Xylene (Total)	19.1	ug/L	3.00	1	09/20/24 21:54	09/20/24 21:54	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	98.1	%	70.0-130	1	09/20/24 21:54	09/20/24 21:54	17060-07-0	
1,2-Dichloroethane-d4 (S)	105	%	70.0-130	20	09/25/24 04:26	09/25/24 04:26	17060-07-0	
4-Bromofluorobenzene (S)	105	%	77.0-126	1	09/20/24 21:54	09/20/24 21:54	460-00-4	
4-Bromofluorobenzene (S)	105	%	77.0-126	20	09/25/24 04:26	09/25/24 04:26	460-00-4	
Toluene-d8 (S)	109	%	80.0-120	1	09/20/24 21:54	09/20/24 21:54	2037-26-5	
Toluene-d8 (S)	109	%	80.0-120	20	09/25/24 04:26	09/25/24 04:26	2037-26-5	

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## ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-22B</b>		<b>Lab ID: 92753000002</b>		Collected: 09/10/24 10:50	Received: 09/11/24 09:30	Matrix: Water		
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 14:15	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	96	%	60-140	1	09/13/24 10:39	09/14/24 14:15	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 22:15	09/20/24 22:15	624-95-3	
Benzene	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	71-43-2	
Diisopropyl ether	0.118J	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	108-20-3	J
Ethanol	ND	ug/L	100	1	09/20/24 22:15	09/20/24 22:15	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/20/24 22:15	09/20/24 22:15	179601-23-1	
Methyl-tert-butyl ether	8.26	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	1634-04-4	
Naphthalene	1.20J	ug/L	5.00	1	09/20/24 22:15	09/20/24 22:15	91-20-3	J
o-Xylene	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	95-47-6	
tert-Amyl Alcohol	6.56J	ug/L	50.0	1	09/20/24 22:15	09/20/24 22:15	75-85-4	J
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	994-05-8	
tert-Butyl Alcohol	12.8	ug/L	5.00	1	09/20/24 22:15	09/20/24 22:15	75-65-0	
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 22:15	09/20/24 22:15	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 22:15	09/20/24 22:15	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/20/24 22:15	09/20/24 22:15	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	100	%	70.0-130	1	09/20/24 22:15	09/20/24 22:15	17060-07-0	
4-Bromofluorobenzene (S)	99.1	%	77.0-126	1	09/20/24 22:15	09/20/24 22:15	460-00-4	
Toluene-d8 (S)	108	%	80.0-120	1	09/20/24 22:15	09/20/24 22:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: **DMW-2** Lab ID: **92753000003** Collected: 09/10/24 10:05 Received: 09/11/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**8011 GCS EDB and DBCP** Analytical Method: EPA 8011 Preparation Method: EPA 8011  
 Pace Analytical Services - Charlotte

1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 15:09	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	97	%	60-140	1	09/13/24 10:39	09/14/24 15:09	301-79-56	

**VOA (GC/MS) 8260D** Analytical Method: EPA 8260D Preparation Method: 8260D  
 Pace National - Mt. Juliet

1,2-Dichloroethane	<b>0.411J</b>	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	107-06-2	J
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 22:36	09/20/24 22:36	624-95-3	
Benzene	<b>3.30</b>	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	71-43-2	
Diisopropyl ether	<b>4.62</b>	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 22:36	09/20/24 22:36	64-17-5	R1
Ethyl-tert-butyl ether	<b>1.41</b>	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/20/24 22:36	09/20/24 22:36	179601-23-1	
Methyl-tert-butyl ether	<b>506</b>	ug/L	20.0	20	09/25/24 04:48	09/25/24 04:48	1634-04-4	H1
Naphthalene	ND	ug/L	5.00	1	09/20/24 22:36	09/20/24 22:36	91-20-3	
o-Xylene	ND	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	95-47-6	
tert-Amyl Alcohol	<b>466</b>	ug/L	50.0	1	09/20/24 22:36	09/20/24 22:36	75-85-4	
tert-Amylmethyl ether	<b>2.29</b>	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	994-05-8	
tert-Butyl Alcohol	<b>1510</b>	ug/L	100	20	09/25/24 04:48	09/25/24 04:48	75-65-0	H1
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 22:36	09/20/24 22:36	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 22:36	09/20/24 22:36	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/20/24 22:36	09/20/24 22:36	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	98.9	%	70.0-130	1	09/20/24 22:36	09/20/24 22:36	17060-07-0	
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	20	09/25/24 04:48	09/25/24 04:48	17060-07-0	
4-Bromofluorobenzene (S)	97.9	%	77.0-126	1	09/20/24 22:36	09/20/24 22:36	460-00-4	
4-Bromofluorobenzene (S)	107	%	77.0-126	20	09/25/24 04:48	09/25/24 04:48	460-00-4	
Toluene-d8 (S)	109	%	80.0-120	1	09/20/24 22:36	09/20/24 22:36	2037-26-5	
Toluene-d8 (S)	111	%	80.0-120	20	09/25/24 04:48	09/25/24 04:48	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Sample: DMW-3	Lab ID: 92753000004	Collected: 09/10/24 10:48	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 15:30	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	93	%	60-140	1	09/13/24 10:39	09/14/24 15:30	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 22:56	09/20/24 22:56	624-95-3	
Benzene	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 22:56	09/20/24 22:56	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/20/24 22:56	09/20/24 22:56	179601-23-1	
Methyl-tert-butyl ether	0.176J	ug/L	1.00	1	09/25/24 00:26	09/25/24 00:26	1634-04-4	H1,J
Naphthalene	ND	ug/L	5.00	1	09/20/24 22:56	09/20/24 22:56	91-20-3	
o-Xylene	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/20/24 22:56	09/20/24 22:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/25/24 00:26	09/25/24 00:26	75-65-0	H1
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 22:56	09/20/24 22:56	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 22:56	09/20/24 22:56	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/20/24 22:56	09/20/24 22:56	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	97.5	%	70.0-130	1	09/20/24 22:56	09/20/24 22:56	17060-07-0	
1,2-Dichloroethane-d4 (S)	101	%	70.0-130	1	09/25/24 00:26	09/25/24 00:26	17060-07-0	
4-Bromofluorobenzene (S)	101	%	77.0-126	1	09/20/24 22:56	09/20/24 22:56	460-00-4	
4-Bromofluorobenzene (S)	110	%	77.0-126	1	09/25/24 00:26	09/25/24 00:26	460-00-4	
Toluene-d8 (S)	108	%	80.0-120	1	09/20/24 22:56	09/20/24 22:56	2037-26-5	
Toluene-d8 (S)	112	%	80.0-120	1	09/25/24 00:26	09/25/24 00:26	2037-26-5	

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**ANALYTICAL RESULTS**

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: DUP		Lab ID: 92753000005	Collected: 09/10/24 00:00	Received: 09/11/24 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte						
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 16:02	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	90	%	60-140	1	09/13/24 10:39	09/14/24 16:02	301-79-56	
<b>VOA (GC/MS) 8260D</b>		Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet						
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 09:21	09/20/24 09:21	624-95-3	
Benzene	11.3	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 09:21	09/20/24 09:21	64-17-5	C3
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	637-92-3	
Ethylbenzene	0.161J	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	100-41-4	J
m&p-Xylene	3.13	ug/L	2.00	1	09/20/24 09:21	09/20/24 09:21	179601-23-1	
Methyl-tert-butyl ether	1.12	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/20/24 09:21	09/20/24 09:21	91-20-3	
o-Xylene	0.499J	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	95-47-6	J
tert-Amyl Alcohol	9.25J	ug/L	50.0	1	09/20/24 09:21	09/20/24 09:21	75-85-4	C3,J
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	994-05-8	
tert-Butyl Alcohol	13.0	ug/L	5.00	1	09/20/24 09:21	09/20/24 09:21	75-65-0	
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 09:21	09/20/24 09:21	762-75-4	
Toluene	0.515J	ug/L	1.00	1	09/20/24 09:21	09/20/24 09:21	108-88-3	J
Xylene (Total)	3.63	ug/L	3.00	1	09/20/24 09:21	09/20/24 09:21	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	98.8	%	70.0-130	1	09/20/24 09:21	09/20/24 09:21	17060-07-0	
4-Bromofluorobenzene (S)	99.8	%	77.0-126	1	09/20/24 09:21	09/20/24 09:21	460-00-4	
Toluene-d8 (S)	104	%	80.0-120	1	09/20/24 09:21	09/20/24 09:21	2037-26-5	

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**ANALYTICAL RESULTS**

Project: UST 11946/691444

Pace Project No.: 92753000

Sample: <b>TRIP BLANK</b>		Lab ID: <b>92753000006</b>	Collected: 09/10/24 00:00	Received: 09/11/24 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>VOA (GC/MS) 8260D</b>		Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet						
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 07:58	09/20/24 07:58	624-95-3	
Benzene	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 07:58	09/20/24 07:58	64-17-5	C3
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/20/24 07:58	09/20/24 07:58	179601-23-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/20/24 07:58	09/20/24 07:58	91-20-3	
o-Xylene	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/20/24 07:58	09/20/24 07:58	75-85-4	C3
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/20/24 07:58	09/20/24 07:58	75-65-0	
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 07:58	09/20/24 07:58	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 07:58	09/20/24 07:58	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/20/24 07:58	09/20/24 07:58	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	101	%	70.0-130	1	09/20/24 07:58	09/20/24 07:58	17060-07-0	
4-Bromofluorobenzene (S)	101	%	77.0-126	1	09/20/24 07:58	09/20/24 07:58	460-00-4	
Toluene-d8 (S)	108	%	80.0-120	1	09/20/24 07:58	09/20/24 07:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: TEW-1	Lab ID: 92753000007	Collected: 09/10/24 11:30	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 16:13	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	98	%	60-140	1	09/13/24 10:39	09/14/24 16:13	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	10	09/20/24 23:58	09/20/24 23:58	624-95-3	
Benzene	2890	ug/L	100	100	09/25/24 05:10	09/25/24 05:10	71-43-2	H1
Diisopropyl ether	2.54J	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	108-20-3	J
Ethanol	ND	ug/L	1000	10	09/20/24 23:58	09/20/24 23:58	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	637-92-3	
Ethylbenzene	228	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	100-41-4	
m&p-Xylene	463	ug/L	20.0	10	09/20/24 23:58	09/20/24 23:58	179601-23-1	
Methyl-tert-butyl ether	61.0	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	1634-04-4	
Naphthalene	36.6J	ug/L	50.0	10	09/20/24 23:58	09/20/24 23:58	91-20-3	J
o-Xylene	29.4	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	95-47-6	
tert-Amyl Alcohol	463J	ug/L	500	10	09/20/24 23:58	09/20/24 23:58	75-85-4	J
tert-Amylmethyl ether	ND	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	994-05-8	
tert-Butyl Alcohol	154	ug/L	50.0	10	09/20/24 23:58	09/20/24 23:58	75-65-0	
tert-Butyl Formate	ND	ug/L	200	10	09/20/24 23:58	09/20/24 23:58	762-75-4	
Toluene	54.7	ug/L	10.0	10	09/20/24 23:58	09/20/24 23:58	108-88-3	
Xylene (Total)	492	ug/L	30.0	10	09/20/24 23:58	09/20/24 23:58	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	10	09/20/24 23:58	09/20/24 23:58	17060-07-0	
1,2-Dichloroethane-d4 (S)	102	%	70.0-130	100	09/25/24 05:10	09/25/24 05:10	17060-07-0	
4-Bromofluorobenzene (S)	98.3	%	77.0-126	10	09/20/24 23:58	09/20/24 23:58	460-00-4	
4-Bromofluorobenzene (S)	106	%	77.0-126	100	09/25/24 05:10	09/25/24 05:10	460-00-4	
Toluene-d8 (S)	103	%	80.0-120	10	09/20/24 23:58	09/20/24 23:58	2037-26-5	
Toluene-d8 (S)	107	%	80.0-120	100	09/25/24 05:10	09/25/24 05:10	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: TEW-2	Lab ID: 92753000008	Collected: 09/10/24 11:25	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 16:23	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	86	%	60-140	1	09/13/24 10:39	09/14/24 16:23	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	20	09/21/24 00:18	09/21/24 00:18	624-95-3	
Benzene	192	ug/L	20.0	20	09/25/24 05:33	09/25/24 05:33	71-43-2	H1
Diisopropyl ether	ND	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	108-20-3	
Ethanol	ND	ug/L	2000	20	09/21/24 00:18	09/21/24 00:18	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	637-92-3	
Ethylbenzene	26.8	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	100-41-4	
m&p-Xylene	31.7J	ug/L	40.0	20	09/21/24 00:18	09/21/24 00:18	179601-23-1	J
Methyl-tert-butyl ether	2.09J	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	1634-04-4	J
Naphthalene	ND	ug/L	100	20	09/21/24 00:18	09/21/24 00:18	91-20-3	
o-Xylene	8.26J	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	95-47-6	J
tert-Amyl Alcohol	ND	ug/L	1000	20	09/21/24 00:18	09/21/24 00:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	994-05-8	
tert-Butyl Alcohol	ND	ug/L	100	20	09/21/24 00:18	09/21/24 00:18	75-65-0	
tert-Butyl Formate	ND	ug/L	400	20	09/21/24 00:18	09/21/24 00:18	762-75-4	
Toluene	ND	ug/L	20.0	20	09/21/24 00:18	09/21/24 00:18	108-88-3	
Xylene (Total)	40.0J	ug/L	60.0	20	09/21/24 00:18	09/21/24 00:18	1330-20-7	J
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	98.3	%	70.0-130	20	09/21/24 00:18	09/21/24 00:18	17060-07-0	
1,2-Dichloroethane-d4 (S)	102	%	70.0-130	20	09/25/24 05:33	09/25/24 05:33	17060-07-0	
4-Bromofluorobenzene (S)	101	%	77.0-126	20	09/21/24 00:18	09/21/24 00:18	460-00-4	
4-Bromofluorobenzene (S)	106	%	77.0-126	20	09/25/24 05:33	09/25/24 05:33	460-00-4	
Toluene-d8 (S)	111	%	80.0-120	20	09/21/24 00:18	09/21/24 00:18	2037-26-5	
Toluene-d8 (S)	108	%	80.0-120	20	09/25/24 05:33	09/25/24 05:33	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: TEW-3	Lab ID: 92753000009	Collected: 09/10/24 11:35	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 16:34	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	80	%	60-140	1	09/13/24 10:39	09/14/24 16:34	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 23:17	09/20/24 23:17	624-95-3	
Benzene	4.33	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	108-20-3	
Ethanol	ND	ug/L	100	1	09/20/24 23:17	09/20/24 23:17	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	637-92-3	
Ethylbenzene	1.09	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	100-41-4	
m&p-Xylene	0.870J	ug/L	2.00	1	09/20/24 23:17	09/20/24 23:17	179601-23-1	J
Methyl-tert-butyl ether	5.48	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/20/24 23:17	09/20/24 23:17	91-20-3	
o-Xylene	0.231J	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	95-47-6	J
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/20/24 23:17	09/20/24 23:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	994-05-8	
tert-Butyl Alcohol	4.46J	ug/L	5.00	1	09/20/24 23:17	09/20/24 23:17	75-65-0	J
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 23:17	09/20/24 23:17	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 23:17	09/20/24 23:17	108-88-3	
Xylene (Total)	1.10J	ug/L	3.00	1	09/20/24 23:17	09/20/24 23:17	1330-20-7	J
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	97.5	%	70.0-130	1	09/20/24 23:17	09/20/24 23:17	17060-07-0	
4-Bromofluorobenzene (S)	102	%	77.0-126	1	09/20/24 23:17	09/20/24 23:17	460-00-4	
Toluene-d8 (S)	108	%	80.0-120	1	09/20/24 23:17	09/20/24 23:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

**Sample: MW-11A**      **Lab ID: 92753000010**      Collected: 09/10/24 12:45      Received: 09/11/24 09:30      Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**8011 GCS EDB and DBCP**      Analytical Method: EPA 8011      Preparation Method: EPA 8011  
 Pace Analytical Services - Charlotte

1,2-Dibromoethane (EDB)	ND	ug/L	0.019	1	09/13/24 10:39	09/14/24 16:44	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	83	%	60-140	1	09/13/24 10:39	09/14/24 16:44	301-79-56	

**VOA (GC/MS) 8260D**      Analytical Method: EPA 8260D      Preparation Method: 8260D  
 Pace National - Mt. Juliet

1,2-Dichloroethane	<b>0.180J</b>	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	107-06-2	J
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/20/24 23:37	09/20/24 23:37	624-95-3	
Benzene	<b>4.33</b>	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	71-43-2	
Diisopropyl ether	<b>0.374J</b>	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	108-20-3	J
Ethanol	ND	ug/L	100	1	09/20/24 23:37	09/20/24 23:37	64-17-5	R1
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/20/24 23:37	09/20/24 23:37	179601-23-1	
Methyl-tert-butyl ether	<b>0.777J</b>	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	1634-04-4	J
Naphthalene	ND	ug/L	5.00	1	09/20/24 23:37	09/20/24 23:37	91-20-3	
o-Xylene	ND	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/20/24 23:37	09/20/24 23:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/20/24 23:37	09/20/24 23:37	75-65-0	
tert-Butyl Formate	ND	ug/L	20.0	1	09/20/24 23:37	09/20/24 23:37	762-75-4	
Toluene	ND	ug/L	1.00	1	09/20/24 23:37	09/20/24 23:37	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/20/24 23:37	09/20/24 23:37	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	97.9	%	70.0-130	1	09/20/24 23:37	09/20/24 23:37	17060-07-0	
4-Bromofluorobenzene (S)	98.3	%	77.0-126	1	09/20/24 23:37	09/20/24 23:37	460-00-4	
Toluene-d8 (S)	107	%	80.0-120	1	09/20/24 23:37	09/20/24 23:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-11B</b>								
Lab ID: 92753000011 Collected: 09/10/24 12:35 Received: 09/11/24 09:30 Matrix: Water								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 16:55	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	82	%	60-140	1	09/13/24 10:39	09/14/24 16:55	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 15:55	09/21/24 15:55	624-95-3	
Benzene	1.94	ug/L	1.00	1	09/26/24 00:24	09/26/24 00:24	71-43-2	H1
Diisopropyl ether	0.368J	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	108-20-3	J
Ethanol	ND	ug/L	100	1	09/21/24 15:55	09/21/24 15:55	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/26/24 00:24	09/26/24 00:24	100-41-4	H1
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 15:55	09/21/24 15:55	179601-23-1	
Methyl-tert-butyl ether	0.750J	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	1634-04-4	J
Naphthalene	ND	ug/L	5.00	1	09/26/24 00:24	09/26/24 00:24	91-20-3	H1
o-Xylene	ND	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 15:55	09/21/24 15:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 15:55	09/21/24 15:55	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 15:55	09/21/24 15:55	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 15:55	09/21/24 15:55	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 15:55	09/21/24 15:55	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	96.2	%	70.0-130	1	09/21/24 15:55	09/21/24 15:55	17060-07-0	
1,3-Dichloroethane-d4 (S)	98.5	%	70.0-130	1	09/26/24 00:24	09/26/24 00:24	17060-07-0	
4-Bromofluorobenzene (S)	95.2	%	77.0-126	1	09/21/24 15:55	09/21/24 15:55	460-00-4	
4-Bromofluorobenzene (S)	99.2	%	77.0-126	1	09/26/24 00:24	09/26/24 00:24	460-00-4	
Toluene-d8 (S)	104	%	80.0-120	1	09/21/24 15:55	09/21/24 15:55	2037-26-5	
Toluene-d8 (S)	102	%	80.0-120	1	09/26/24 00:24	09/26/24 00:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Sample: **MW-18A** Lab ID: **92753000012** Collected: 09/10/24 11:40 Received: 09/11/24 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:06	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	84	%	60-140	1	09/13/24 10:39	09/14/24 17:06	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 16:16	09/21/24 16:16	624-95-3	
Benzene	ND	ug/L	1.00	1	09/26/24 00:46	09/26/24 00:46	71-43-2	H1
Diisopropyl ether	1.45	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 16:16	09/21/24 16:16	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/26/24 00:46	09/26/24 00:46	100-41-4	H1
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 16:16	09/21/24 16:16	179601-23-1	
Methyl-tert-butyl ether	6.17	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/26/24 00:46	09/26/24 00:46	91-20-3	H1
o-Xylene	ND	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	95-47-6	
tert-Amyl Alcohol	415	ug/L	50.0	1	09/21/24 16:16	09/21/24 16:16	75-85-4	
tert-Amylmethyl ether	0.733J	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	994-05-8	J
tert-Butyl Alcohol	48.8	ug/L	5.00	1	09/21/24 16:16	09/21/24 16:16	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 16:16	09/21/24 16:16	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 16:16	09/21/24 16:16	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 16:16	09/21/24 16:16	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	101	%	70.0-130	1	09/21/24 16:16	09/21/24 16:16	17060-07-0	
1,3-Dichloroethane-d4 (S)	90.3	%	70.0-130	1	09/26/24 00:46	09/26/24 00:46	17060-07-0	
4-Bromofluorobenzene (S)	95.4	%	77.0-126	1	09/21/24 16:16	09/21/24 16:16	460-00-4	
4-Bromofluorobenzene (S)	97.2	%	77.0-126	1	09/26/24 00:46	09/26/24 00:46	460-00-4	
Toluene-d8 (S)	104	%	80.0-120	1	09/21/24 16:16	09/21/24 16:16	2037-26-5	
Toluene-d8 (S)	100	%	80.0-120	1	09/26/24 00:46	09/26/24 00:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Sample: MW-18B	Lab ID: 92753000013	Collected: 09/10/24 11:50	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:16	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	88	%	60-140	1	09/13/24 10:39	09/14/24 17:16	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 16:36	09/21/24 16:36	624-95-3	
Benzene	0.104J	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	71-43-2	J
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 16:36	09/21/24 16:36	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 16:36	09/21/24 16:36	179601-23-1	
Methyl-tert-butyl ether	0.615J	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	1634-04-4	J
Naphthalene	ND	ug/L	5.00	1	09/21/24 16:36	09/21/24 16:36	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 16:36	09/21/24 16:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 16:36	09/21/24 16:36	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 16:36	09/21/24 16:36	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 16:36	09/21/24 16:36	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 16:36	09/21/24 16:36	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	104	%	70.0-130	1	09/21/24 16:36	09/21/24 16:36	17060-07-0	
4-Bromofluorobenzene (S)	93.1	%	77.0-126	1	09/21/24 16:36	09/21/24 16:36	460-00-4	
Toluene-d8 (S)	103	%	80.0-120	1	09/21/24 16:36	09/21/24 16:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: MW-21A		Lab ID: 92753000014		Collected: 09/10/24 11:05		Received: 09/11/24 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:27	106-93-4		
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	84	%	60-140	1	09/13/24 10:39	09/14/24 17:27	301-79-56		
<b>VOA (GC/MS) 8260D</b>									
Analytical Method: EPA 8260D Preparation Method: 8260D									
Pace National - Mt. Juliet									
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	107-06-2		
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 16:58	09/21/24 16:58	624-95-3		
Benzene	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	71-43-2		
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	108-20-3		
Ethanol	ND	ug/L	100	1	09/21/24 16:58	09/21/24 16:58	64-17-5		
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	637-92-3		
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	100-41-4		
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 16:58	09/21/24 16:58	179601-23-1		
Methyl-tert-butyl ether	1.92	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	1634-04-4		
Naphthalene	ND	ug/L	5.00	1	09/21/24 16:58	09/21/24 16:58	91-20-3	C3	
o-Xylene	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	95-47-6		
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 16:58	09/21/24 16:58	75-85-4		
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	994-05-8		
tert-Butyl Alcohol	17.6	ug/L	5.00	1	09/21/24 16:58	09/21/24 16:58	75-65-0	L0,R1	
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 16:58	09/21/24 16:58	762-75-4		
Toluene	ND	ug/L	1.00	1	09/21/24 16:58	09/21/24 16:58	108-88-3		
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 16:58	09/21/24 16:58	1330-20-7		
<b>Surrogates</b>									
1,2-Dichloroethane-d4 (S)	106	%	70.0-130	1	09/21/24 16:58	09/21/24 16:58	17060-07-0		
4-Bromofluorobenzene (S)	95.1	%	77.0-126	1	09/21/24 16:58	09/21/24 16:58	460-00-4		
Toluene-d8 (S)	104	%	80.0-120	1	09/21/24 16:58	09/21/24 16:58	2037-26-5		

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: MW-22A	Lab ID: 92753000015	Collected: 09/10/24 11:20	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	09/13/24 15:58	09/15/24 01:38	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	09/13/24 15:58	09/15/24 01:38	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 17:19	09/21/24 17:19	624-95-3	
Benzene	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 17:19	09/21/24 17:19	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 17:19	09/21/24 17:19	179601-23-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 17:19	09/21/24 17:19	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 17:19	09/21/24 17:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 17:19	09/21/24 17:19	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 17:19	09/21/24 17:19	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 17:19	09/21/24 17:19	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 17:19	09/21/24 17:19	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	101	%	70.0-130	1	09/21/24 17:19	09/21/24 17:19	17060-07-0	
4-Bromofluorobenzene (S)	95.3	%	77.0-126	1	09/21/24 17:19	09/21/24 17:19	460-00-4	
Toluene-d8 (S)	104	%	80.0-120	1	09/21/24 17:19	09/21/24 17:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Sample: FIELD BLANK	Lab ID: 92753000016	Collected: 09/10/24 12:03	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:38	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	86	%	60-140	1	09/13/24 10:39	09/14/24 17:38	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 14:32	09/21/24 14:32	624-95-3	
Benzene	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 14:32	09/21/24 14:32	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 14:32	09/21/24 14:32	179601-23-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 14:32	09/21/24 14:32	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 14:32	09/21/24 14:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 14:32	09/21/24 14:32	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 14:32	09/21/24 14:32	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 14:32	09/21/24 14:32	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 14:32	09/21/24 14:32	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	108	%	70.0-130	1	09/21/24 14:32	09/21/24 14:32	17060-07-0	
4-Bromofluorobenzene (S)	88.0	%	77.0-126	1	09/21/24 14:32	09/21/24 14:32	460-00-4	
Toluene-d8 (S)	102	%	80.0-120	1	09/21/24 14:32	09/21/24 14:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: UST 11946/691444  
 Pace Project No.: 92753000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-20B</b>								
Lab ID: 92753000017 Collected: 09/10/24 10:30 Received: 09/11/24 09:30 Matrix: Water								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:48	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	88	%	60-140	1	09/13/24 10:39	09/14/24 17:48	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 17:40	09/21/24 17:40	624-95-3	
Benzene	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 17:40	09/21/24 17:40	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 17:40	09/21/24 17:40	179601-23-1	
Methyl-tert-butyl ether	11.9	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 17:40	09/21/24 17:40	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 17:40	09/21/24 17:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 17:40	09/21/24 17:40	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 17:40	09/21/24 17:40	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 17:40	09/21/24 17:40	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 17:40	09/21/24 17:40	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	1	09/21/24 17:40	09/21/24 17:40	17060-07-0	
4-Bromofluorobenzene (S)	92.3	%	77.0-126	1	09/21/24 17:40	09/21/24 17:40	460-00-4	
Toluene-d8 (S)	103	%	80.0-120	1	09/21/24 17:40	09/21/24 17:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Sample: MW-20A	Lab ID: 92753000018	Collected: 09/10/24 10:20	Received: 09/11/24 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 17:59	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	91	%	60-140	1	09/13/24 10:39	09/14/24 17:59	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 18:01	09/21/24 18:01	624-95-3	
Benzene	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 18:01	09/21/24 18:01	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 18:01	09/21/24 18:01	179601-23-1	
Methyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 18:01	09/21/24 18:01	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 18:01	09/21/24 18:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 18:01	09/21/24 18:01	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 18:01	09/21/24 18:01	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 18:01	09/21/24 18:01	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 18:01	09/21/24 18:01	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	1	09/21/24 18:01	09/21/24 18:01	17060-07-0	
4-Bromofluorobenzene (S)	91.9	%	77.0-126	1	09/21/24 18:01	09/21/24 18:01	460-00-4	
Toluene-d8 (S)	102	%	80.0-120	1	09/21/24 18:01	09/21/24 18:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-19B</b>		<b>Lab ID: 92753000019</b>		Collected: 09/10/24 10:25	Received: 09/11/24 09:30	Matrix: Water		
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 18:10	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	91	%	60-140	1	09/13/24 10:39	09/14/24 18:10	301-79-56	
<b>VOA (GC/MS) 8260D</b>								
Analytical Method: EPA 8260D Preparation Method: 8260D								
Pace National - Mt. Juliet								
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 18:21	09/21/24 18:21	624-95-3	
Benzene	2.80	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	71-43-2	
Diisopropyl ether	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	108-20-3	
Ethanol	ND	ug/L	100	1	09/21/24 18:21	09/21/24 18:21	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	100-41-4	
m&p-Xylene	1.02J	ug/L	2.00	1	09/21/24 18:21	09/21/24 18:21	179601-23-1	J
Methyl-tert-butyl ether	1.28	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 18:21	09/21/24 18:21	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	95-47-6	
tert-Amyl Alcohol	9.09J	ug/L	50.0	1	09/21/24 18:21	09/21/24 18:21	75-85-4	J
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	994-05-8	
tert-Butyl Alcohol	14.7	ug/L	5.00	1	09/21/24 18:21	09/21/24 18:21	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 18:21	09/21/24 18:21	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 18:21	09/21/24 18:21	108-88-3	
Xylene (Total)	1.02J	ug/L	3.00	1	09/21/24 18:21	09/21/24 18:21	1330-20-7	J
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	1	09/21/24 18:21	09/21/24 18:21	17060-07-0	
4-Bromofluorobenzene (S)	93.1	%	77.0-126	1	09/21/24 18:21	09/21/24 18:21	460-00-4	
Toluene-d8 (S)	105	%	80.0-120	1	09/21/24 18:21	09/21/24 18:21	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: UST 11946/691444

Pace Project No.: 92753000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: MW-21B</b>		<b>Lab ID: 92753000020</b>		Collected: 09/10/24 11:10	Received: 09/11/24 09:30	Matrix: Water		
<b>8011 GCS EDB and DBCP</b> Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	09/13/24 10:39	09/14/24 18:20	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	88	%	60-140	1	09/13/24 10:39	09/14/24 18:20	301-79-56	
<b>VOA (GC/MS) 8260D</b>		<b>Analytical Method: EPA 8260D</b>		<b>Preparation Method: 8260D</b>		<b>Pace National - Mt. Juliet</b>		
1,2-Dichloroethane	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	107-06-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1	09/21/24 18:42	09/21/24 18:42	624-95-3	
Benzene	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	71-43-2	
Diisopropyl ether	0.139J	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	108-20-3	J
Ethanol	ND	ug/L	100	1	09/21/24 18:42	09/21/24 18:42	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	637-92-3	
Ethylbenzene	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	100-41-4	
m&p-Xylene	ND	ug/L	2.00	1	09/21/24 18:42	09/21/24 18:42	179601-23-1	
Methyl-tert-butyl ether	22.8	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	1634-04-4	
Naphthalene	ND	ug/L	5.00	1	09/21/24 18:42	09/21/24 18:42	91-20-3	C3
o-Xylene	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	95-47-6	
tert-Amyl Alcohol	ND	ug/L	50.0	1	09/21/24 18:42	09/21/24 18:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	994-05-8	
tert-Butyl Alcohol	ND	ug/L	5.00	1	09/21/24 18:42	09/21/24 18:42	75-65-0	L0,R1
tert-Butyl Formate	ND	ug/L	20.0	1	09/21/24 18:42	09/21/24 18:42	762-75-4	
Toluene	ND	ug/L	1.00	1	09/21/24 18:42	09/21/24 18:42	108-88-3	
Xylene (Total)	ND	ug/L	3.00	1	09/21/24 18:42	09/21/24 18:42	1330-20-7	
<b>Surrogates</b>								
1,2-Dichloroethane-d4 (S)	105	%	70.0-130	1	09/21/24 18:42	09/21/24 18:42	17060-07-0	
4-Bromofluorobenzene (S)	90.9	%	77.0-126	1	09/21/24 18:42	09/21/24 18:42	460-00-4	
Toluene-d8 (S)	101	%	80.0-120	1	09/21/24 18:42	09/21/24 18:42	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: UST 11946/691444

Pace Project No.: 92753000

QC Batch: 2366245

Analysis Method: EPA 8260D

QC Batch Method: 8260B

Analysis Description: VOA (GC/MS) 8260D

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92753000005, 92753000006

METHOD BLANK: R4123250-4

Matrix: Water

Associated Lab Samples: 92753000005, 92753000006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.00	09/20/24 07:38	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	09/20/24 07:38	
Benzene	ug/L	ND	1.00	09/20/24 07:38	
Diisopropyl ether	ug/L	ND	1.00	09/20/24 07:38	
Ethanol	ug/L	ND	100	09/20/24 07:38	
Ethyl-tert-butyl ether	ug/L	ND	1.00	09/20/24 07:38	
Ethylbenzene	ug/L	ND	1.00	09/20/24 07:38	
m&p-Xylene	ug/L	ND	2.00	09/20/24 07:38	
Methyl-tert-butyl ether	ug/L	ND	1.00	09/20/24 07:38	
Naphthalene	ug/L	ND	5.00	09/20/24 07:38	
o-Xylene	ug/L	ND	1.00	09/20/24 07:38	
tert-Amyl Alcohol	ug/L	ND	50.0	09/20/24 07:38	
tert-Amylmethyl ether	ug/L	ND	1.00	09/20/24 07:38	
tert-Butyl Alcohol	ug/L	ND	5.00	09/20/24 07:38	
tert-Butyl Formate	ug/L	ND	20.0	09/20/24 07:38	
Toluene	ug/L	ND	1.00	09/20/24 07:38	
Xylene (Total)	ug/L	ND	3.00	09/20/24 07:38	
1,2-Dichloroethane-d4 (S)	%	97.9	70.0-130	09/20/24 07:38	
4-Bromofluorobenzene (S)	%	101	77.0-126	09/20/24 07:38	
Toluene-d8 (S)	%	108	80.0-120	09/20/24 07:38	

LABORATORY CONTROL SAMPLE & LCSD: R4123250-1

R4123250-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	5.00	4.80	5.00	96.0	100	70.0-130	4.08	20	
Benzene	ug/L	5.00	4.87	4.91	97.4	98.2	70.0-130	0.818	20	
Diisopropyl ether	ug/L	5.00	4.01	4.25	80.2	85.0	70.0-130	5.81	20	
Ethanol	ug/L	250	184	189	73.6	75.6	70.0-130	2.68	20	
Ethyl-tert-butyl ether	ug/L	5.00	4.41	4.63	88.2	92.6	70.0-130	4.87	20	
Ethylbenzene	ug/L	5.00	4.80	4.85	96.0	97.0	70.0-130	1.04	20	
m&p-Xylene	ug/L	10.0	9.86	10.2	98.6	102	70.0-130	3.39	20	
Methyl-tert-butyl ether	ug/L	5.00	4.59	4.88	91.8	97.6	70.0-130	6.12	20	
Naphthalene	ug/L	5.00	4.00J	4.29J	80.0	85.8	70.0-130	7.00	20	J
o-Xylene	ug/L	5.00	4.80	4.98	96.0	99.6	70.0-130	3.68	20	
tert-Amyl Alcohol	ug/L	25.0	19.3J	21.1J	77.2	84.4	70.0-130	8.91	20	J
tert-Amylmethyl ether	ug/L	5.00	4.64	4.76	92.8	95.2	70.0-130	2.55	20	
tert-Butyl Alcohol	ug/L	25.0	20.3	19.6	81.2	78.4	70.0-130	3.51	20	
Toluene	ug/L	5.00	4.89	5.15	97.8	103	70.0-130	5.18	20	
Xylene (Total)	ug/L	15.0	14.7	15.2	98.0	101	70.0-130	3.34	20	

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

LABORATORY CONTROL SAMPLE & LCSD: R4123250-1			R4123250-2							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%				101	103	70.0-130			
4-Bromofluorobenzene (S)	%				99.9	99.7	77.0-126			
Toluene-d8 (S)	%				105	105	80.0-120			

LABORATORY CONTROL SAMPLE: R4123250-3										
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers				
3,3-Dimethyl-1-Butanol	ug/L	100	99.8J	99.8	70.0-130	J				
tert-Butyl Formate	ug/L	100	97.6	97.6	70.0-130					
1,2-Dichloroethane-d4 (S)	%			99.1	70.0-130					
4-Bromofluorobenzene (S)	%			100	77.0-126					
Toluene-d8 (S)	%			108	80.0-120					

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.

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

QC Batch: 2366890 Analysis Method: EPA 8260D  
 QC Batch Method: 8260B Analysis Description: VOA (GC/MS) 8260D  
 Laboratory: Pace National - Mt. Juliet  
 Associated Lab Samples: 92753000001, 92753000002, 92753000003, 92753000004, 92753000007, 92753000008, 92753000009, 92753000010

METHOD BLANK: R4123638-4 Matrix: Water  
 Associated Lab Samples: 92753000001, 92753000002, 92753000003, 92753000004, 92753000007, 92753000008, 92753000009, 92753000010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.00	09/20/24 16:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	09/20/24 16:35	
Benzene	ug/L	ND	1.00	09/20/24 16:35	
Diisopropyl ether	ug/L	ND	1.00	09/20/24 16:35	
Ethanol	ug/L	ND	100	09/20/24 16:35	
Ethyl-tert-butyl ether	ug/L	ND	1.00	09/20/24 16:35	
Ethylbenzene	ug/L	ND	1.00	09/20/24 16:35	
m&p-Xylene	ug/L	ND	2.00	09/20/24 16:35	
Methyl-tert-butyl ether	ug/L	ND	1.00	09/20/24 16:35	
Naphthalene	ug/L	ND	5.00	09/20/24 16:35	
o-Xylene	ug/L	ND	1.00	09/20/24 16:35	
tert-Amyl Alcohol	ug/L	ND	50.0	09/20/24 16:35	
tert-Amylmethyl ether	ug/L	ND	1.00	09/20/24 16:35	
tert-Butyl Alcohol	ug/L	ND	5.00	09/20/24 16:35	
tert-Butyl Formate	ug/L	ND	20.0	09/20/24 16:35	
Toluene	ug/L	ND	1.00	09/20/24 16:35	
Xylene (Total)	ug/L	ND	3.00	09/20/24 16:35	
1,2-Dichloroethane-d4 (S)	%	99.4	70.0-130	09/20/24 16:35	
4-Bromofluorobenzene (S)	%	98.9	77.0-126	09/20/24 16:35	
Toluene-d8 (S)	%	109	80.0-120	09/20/24 16:35	

LABORATORY CONTROL SAMPLE & LCSD: R4123638-1 R4123638-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	5.00	5.02	4.82	100	96.4	70.0-130	4.07	20	
Benzene	ug/L	5.00	5.07	4.72	101	94.4	70.0-130	7.15	20	
Diisopropyl ether	ug/L	5.00	4.38	4.30	87.6	86.0	70.0-130	1.84	20	
Ethanol	ug/L	250	248	202	99.2	80.8	70.0-130	20.4	20	R1
Ethyl-tert-butyl ether	ug/L	5.00	4.73	4.41	94.6	88.2	70.0-130	7.00	20	
Ethylbenzene	ug/L	5.00	5.00	4.85	100	97.0	70.0-130	3.05	20	
m&p-Xylene	ug/L	10.0	10.5	9.68	105	96.8	70.0-130	8.13	20	
Methyl-tert-butyl ether	ug/L	5.00	4.87	4.75	97.4	95.0	70.0-130	2.49	20	
Naphthalene	ug/L	5.00	4.69J	4.62J	93.8	92.4	70.0-130	1.50	20	J
o-Xylene	ug/L	5.00	5.13	4.81	103	96.2	70.0-130	6.44	20	
tert-Amyl Alcohol	ug/L	25.0	24.9J	22.7J	99.6	90.8	70.0-130	9.24	20	J
tert-Amylmethyl ether	ug/L	5.00	5.05	4.64	101	92.8	70.0-130	8.46	20	
tert-Butyl Alcohol	ug/L	25.0	22.9	20.7	91.6	82.8	70.0-130	10.1	20	

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**QUALITY CONTROL DATA**

Project: UST 11946/691444

Pace Project No.: 92753000

LABORATORY CONTROL SAMPLE & LCSD: R4123638-1			R4123638-2							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Toluene	ug/L	5.00	5.28	5.03	106	101	70.0-130	4.85	20	
Xylene (Total)	ug/L	15.0	15.6	14.5	104	96.7	70.0-130	7.31	20	
1,2-Dichloroethane-d4 (S)	%				102	99.7	70.0-130			
4-Bromofluorobenzene (S)	%				103	100	77.0-126			
Toluene-d8 (S)	%				106	105	80.0-120			

LABORATORY CONTROL SAMPLE: R4123638-3			Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	100	110	110	70.0-130		
tert-Butyl Formate	ug/L	100	95.2	95.2	70.0-130		
1,2-Dichloroethane-d4 (S)	%			105	70.0-130		
4-Bromofluorobenzene (S)	%			99.9	77.0-126		
Toluene-d8 (S)	%			110	80.0-120		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4123638-5			R4123638-6									
Parameter	Units	MS L1777879-03		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,2-Dichloroethane	ug/L	ND	5.00	5.00	4.92	4.81	98.4	96.2	60.0-126	2.26		
Benzene	ug/L	ND	5.00	5.00	5.03	4.97	101	99.4	54.3-133	1.20		
Diisopropyl ether	ug/L	ND	5.00	5.00	4.41	4.35	88.2	87.0	56.9-136	1.37		
Ethanol	ug/L	ND	250	250	209	200	83.6	80.0	50.0-130	4.40		
Ethyl-tert-butyl ether	ug/L	ND	5.00	5.00	4.58	4.62	91.6	92.4	70.0-130	0.870		
Ethylbenzene	ug/L	ND	5.00	5.00	5.11	5.21	102	104	61.4-133	1.94		
m&p-Xylene	ug/L	ND	10.0	10.0	10.6	10.6	106	106	61.7-133	0.00		
Methyl-tert-butyl ether	ug/L	ND	5.00	5.00	4.92	4.90	98.4	98.0	57.7-134	0.407		
Naphthalene	ug/L	ND	5.00	5.00	3.52J	3.71J	70.4	74.2	58.0-135	5.26 J		
o-Xylene	ug/L	ND	5.00	5.00	4.99	5.10	99.8	102	63.3-130	2.18		
tert-Amyl Alcohol	ug/L	ND	5.00	5.00	19.8J	20.2J	396	404	50.0-130	2.00 J,MH		
tert-Amylmethyl ether	ug/L	ND	5.00	5.00	4.79	4.69	95.8	93.8	70.0-130	2.11		
tert-Butyl Alcohol	ug/L	17.5	25.0	25.0	36.9	39.7	77.6	88.8	50.0-130	7.31		
Toluene	ug/L	ND	5.00	5.00	5.36	5.43	107	109	61.4-130	1.30		
Xylene (Total)	ug/L	ND	15.0	15.0	15.6	15.7	104	105	63.3-131	0.639		
1,2-Dichloroethane-d4 (S)	%						101	102	70.0-130			
4-Bromofluorobenzene (S)	%						101	97.6	77.0-126			
Toluene-d8 (S)	%						105	106	80.0-120			

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

QC Batch: 2367191 Analysis Method: EPA 8260D  
 QC Batch Method: 8260B Analysis Description: VOA (GC/MS) 8260D  
 Laboratory: Pace National - Mt. Juliet  
 Associated Lab Samples: 92753000011, 92753000012, 92753000013, 92753000014, 92753000015, 92753000016, 92753000017, 92753000018, 92753000019, 92753000020

METHOD BLANK: R4124416-4 Matrix: Water  
 Associated Lab Samples: 92753000011, 92753000012, 92753000013, 92753000014, 92753000015, 92753000016, 92753000017, 92753000018, 92753000019, 92753000020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.00	09/21/24 11:56	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	09/21/24 11:56	
Benzene	ug/L	ND	1.00	09/21/24 11:56	
Diisopropyl ether	ug/L	ND	1.00	09/21/24 11:56	
Ethanol	ug/L	ND	100	09/21/24 11:56	
Ethyl-tert-butyl ether	ug/L	ND	1.00	09/21/24 11:56	
Ethylbenzene	ug/L	ND	1.00	09/21/24 11:56	
m&p-Xylene	ug/L	ND	2.00	09/21/24 11:56	
Methyl-tert-butyl ether	ug/L	ND	1.00	09/21/24 11:56	
Naphthalene	ug/L	ND	5.00	09/21/24 11:56	
o-Xylene	ug/L	ND	1.00	09/21/24 11:56	
tert-Amyl Alcohol	ug/L	ND	50.0	09/21/24 11:56	
tert-Amylmethyl ether	ug/L	ND	1.00	09/21/24 11:56	
tert-Butyl Alcohol	ug/L	ND	5.00	09/21/24 11:56	
tert-Butyl Formate	ug/L	ND	20.0	09/21/24 11:56	
Toluene	ug/L	ND	1.00	09/21/24 11:56	
Xylene (Total)	ug/L	ND	3.00	09/21/24 11:56	
1,2-Dichloroethane-d4 (S)	%	103	70.0-130	09/21/24 11:56	
4-Bromofluorobenzene (S)	%	88.9	77.0-126	09/21/24 11:56	
Toluene-d8 (S)	%	101	80.0-120	09/21/24 11:56	

Parameter	Units	R4124416-1		R4124416-2		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD Result				
1,2-Dichloroethane	ug/L	5.00	5.28	5.18	106	104	70.0-130	1.91	20
Benzene	ug/L	5.00	5.39	4.99	108	99.8	70.0-130	7.71	20
Diisopropyl ether	ug/L	5.00	4.83	4.75	96.6	95.0	70.0-130	1.67	20
Ethanol	ug/L	250	269	224	108	89.6	70.0-130	18.3	20
Ethyl-tert-butyl ether	ug/L	5.00	4.88	4.95	97.6	99.0	70.0-130	1.42	20
Ethylbenzene	ug/L	5.00	4.85	4.45	97.0	89.0	70.0-130	8.60	20
m&p-Xylene	ug/L	10.0	9.80	9.05	98.0	90.5	70.0-130	7.96	20
Methyl-tert-butyl ether	ug/L	5.00	4.90	4.99	98.0	99.8	70.0-130	1.82	20
Naphthalene	ug/L	5.00	3.86J	3.98J	77.2	79.6	70.0-130	3.06	20 J
o-Xylene	ug/L	5.00	4.71	4.44	94.2	88.8	70.0-130	5.90	20
tert-Amyl Alcohol	ug/L	25.0	29.0J	27.3J	116	109	70.0-130	6.04	20 J
tert-Amylmethyl ether	ug/L	5.00	4.79	4.85	95.8	97.0	70.0-130	1.24	20
tert-Butyl Alcohol	ug/L	25.0	20.2	15.4	80.8	61.6	70.0-130	27.0	20 L0,R1

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### QUALITY CONTROL DATA

Project: UST 11946/691444

Pace Project No.: 92753000

Parameter	Units	R4124416-1				R4124416-2		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec					
Toluene	ug/L	5.00	5.11	4.84	102	96.8	70.0-130	5.43	20		
Xylene (Total)	ug/L	15.0	14.5	13.5	96.7	90.0	70.0-130	7.14	20		
1,2-Dichloroethane-d4 (S)	%				103	106	70.0-130				
4-Bromofluorobenzene (S)	%				92.3	92.5	77.0-126				
Toluene-d8 (S)	%				102	102	80.0-120				

Parameter	Units	R4124416-3				% Rec Limits	Qualifiers
		Spike Conc.	LCS Result	LCS % Rec	% Rec		
3,3-Dimethyl-1-Butanol	ug/L	100	102	102	70.0-130		
tert-Butyl Formate	ug/L	100	85.1	85.1	70.0-130		
1,2-Dichloroethane-d4 (S)	%			101	70.0-130		
4-Bromofluorobenzene (S)	%			90.5	77.0-126		
Toluene-d8 (S)	%			104	80.0-120		

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### QUALITY CONTROL DATA

Project: UST 11946/691444

Pace Project No.: 92753000

QC Batch: 2368873

Analysis Method: EPA 8260D

QC Batch Method: 8260B

Analysis Description: VOA (GC/MS) 8260D

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92753000001, 92753000003, 92753000004, 92753000007, 92753000008

METHOD BLANK: R4124143-3

Matrix: Water

Associated Lab Samples: 92753000001, 92753000003, 92753000004, 92753000007, 92753000008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.00	09/24/24 23:10	
Methyl-tert-butyl ether	ug/L	ND	1.00	09/24/24 23:10	
tert-Butyl Alcohol	ug/L	ND	5.00	09/24/24 23:10	
1,2-Dichloroethane-d4 (S)	%	102	70.0-130	09/24/24 23:10	
4-Bromofluorobenzene (S)	%	108	77.0-126	09/24/24 23:10	
Toluene-d8 (S)	%	112	80.0-120	09/24/24 23:10	

LABORATORY CONTROL SAMPLE & LCSD: R4124143-1

R4124143-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.00	5.23	5.27	105	105	70.0-130	0.762	20	
Methyl-tert-butyl ether	ug/L	5.00	4.97	5.04	99.4	101	70.0-130	1.40	20	
tert-Butyl Alcohol	ug/L	25.0	24.6	24.7	98.4	98.8	70.0-130	0.406	20	
1,2-Dichloroethane-d4 (S)	%				99.6	102	70.0-130			
4-Bromofluorobenzene (S)	%				103	102	77.0-126			
Toluene-d8 (S)	%				105	103	80.0-120			

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### QUALITY CONTROL DATA

Project: UST 11946/691444

Pace Project No.: 92753000

QC Batch: 2369978

Analysis Method: EPA 8260D

QC Batch Method: 8260B

Analysis Description: VOA (GC/MS) 8260D

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92753000011, 92753000012

METHOD BLANK: R4125298-4

Matrix: Water

Associated Lab Samples: 92753000011, 92753000012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.00	09/25/24 22:05	
Ethylbenzene	ug/L	ND	1.00	09/25/24 22:05	
Naphthalene	ug/L	ND	5.00	09/25/24 22:05	
1,2-Dichloroethane-d4 (S)	%	93.6	70.0-130	09/25/24 22:05	
4-Bromofluorobenzene (S)	%	97.6	77.0-126	09/25/24 22:05	
Toluene-d8 (S)	%	99.6	80.0-120	09/25/24 22:05	

LABORATORY CONTROL SAMPLE & LCSD: R4125298-1

R4125298-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.00	5.36	5.46	107	109	70.0-130	1.85	20	
Ethylbenzene	ug/L	5.00	5.10	5.31	102	106	70.0-130	4.03	20	
Naphthalene	ug/L	5.00	4.72J	4.38J	94.4	87.6	70.0-130	7.47	20	J
1,2-Dichloroethane-d4 (S)	%				95.7	92.6	70.0-130			
4-Bromofluorobenzene (S)	%				99.2	101	77.0-126			
Toluene-d8 (S)	%				97.9	99.7	80.0-120			

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

QC Batch: 882384 Analysis Method: EPA 8011  
 QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
 Laboratory: Pace Analytical Services - Charlotte  
 Associated Lab Samples: 92753000001, 92753000002

METHOD BLANK: 4544540 Matrix: Water  
 Associated Lab Samples: 92753000001, 92753000002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/14/24 09:49	
1-Chloro-2-bromopropane (S)	%	97	60-140	09/14/24 09:49	

LABORATORY CONTROL SAMPLE & LCSD: 4544541

4544542

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	0.29	109	116	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				96	99	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544544

4544545

Parameter	92752303032		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
	Units	Result									
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.34	0.34	134	138	60-140	3	
1-Chloro-2-bromopropane (S)	%						101	104	60-140		

SAMPLE DUPLICATE: 4544543

Parameter	Units	92752303031 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	94	92		

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

QC Batch: 882385 Analysis Method: EPA 8011  
 QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
 Laboratory: Pace Analytical Services - Charlotte  
 Associated Lab Samples: 92753000003, 92753000004, 92753000005, 92753000007, 92753000008, 92753000009, 92753000010,  
 92753000011, 92753000012, 92753000013, 92753000014, 92753000016, 92753000017, 92753000018,  
 92753000019, 92753000020

METHOD BLANK: 4544546 Matrix: Water  
 Associated Lab Samples: 92753000003, 92753000004, 92753000005, 92753000007, 92753000008, 92753000009, 92753000010,  
 92753000011, 92753000012, 92753000013, 92753000014, 92753000016, 92753000017, 92753000018,  
 92753000019, 92753000020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/14/24 14:37	
1-Chloro-2-bromopropane (S)	%	114	60-140	09/14/24 14:37	

LABORATORY CONTROL SAMPLE & LCSD: 4544547 4544548

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.28	0.26	113	105	60-140	8	20	
1-Chloro-2-bromopropane (S)	%				104	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4544550 4544551

Parameter	Units	92753000004		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.28	0.28	112	112	60-140		0	
1-Chloro-2-bromopropane (S)	%						98	98	60-140			

SAMPLE DUPLICATE: 4544549

Parameter	Units	92753000003 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	97	107		

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**QUALITY CONTROL DATA**

Project: UST 11946/691444  
 Pace Project No.: 92753000

QC Batch: 882572 Analysis Method: EPA 8011  
 QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
 Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92753000015

METHOD BLANK: 4545587 Matrix: Water  
 Associated Lab Samples: 92753000015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	09/15/24 00:12	
1-Chloro-2-bromopropane (S)	%	82	60-140	09/15/24 00:12	

LABORATORY CONTROL SAMPLE & LCSD: 4545588

4545589

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.26	0.31	102	115	60-140	15	20	
1-Chloro-2-bromopropane (S)	%				92	100	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4545590

4545591

Parameter	Units	92752214001		MS		MSD		% Rec		RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec		
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.28	0.27	106	104	60-140	2	
1-Chloro-2-bromopropane (S)	%						93	91	60-140		

SAMPLE DUPLICATE: 4545592

Parameter	Units	92751918001 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	89	103		

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## QUALIFIERS

Project: UST 11946/691444

Pace Project No.: 92753000

### 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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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.

### SAMPLE QUALIFIERS

Sample: 92753000008

[1] Volatile Organic Compounds (GC/MS) by Method 8260D - Non-target compounds too high to run at a lower dilution.

### ANALYTE QUALIFIERS

C3 The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

H1 Analysis conducted outside the recognized method holding time.

J Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

MH Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UST 11946/691444

Pace Project No.: 92753000

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92753000001	MW-17B	EPA 8011	882384	EPA 8011	882526
92753000002	MW-22B	EPA 8011	882384	EPA 8011	882526
92753000003	DMW-2	EPA 8011	882385	EPA 8011	882528
92753000004	DMW-3	EPA 8011	882385	EPA 8011	882528
92753000005	DUP	EPA 8011	882385	EPA 8011	882528
92753000007	TEW-1	EPA 8011	882385	EPA 8011	882528
92753000008	TEW-2	EPA 8011	882385	EPA 8011	882528
92753000009	TEW-3	EPA 8011	882385	EPA 8011	882528
92753000010	MW-11A	EPA 8011	882385	EPA 8011	882528
92753000011	MW-11B	EPA 8011	882385	EPA 8011	882528
92753000012	MW-18A	EPA 8011	882385	EPA 8011	882528
92753000013	MW-18B	EPA 8011	882385	EPA 8011	882528
92753000014	MW-21A	EPA 8011	882385	EPA 8011	882528
92753000015	MW-22A	EPA 8011	882572	EPA 8011	882590
92753000016	FIELD BLANK	EPA 8011	882385	EPA 8011	882528
92753000017	MW-20B	EPA 8011	882385	EPA 8011	882528
92753000018	MW-20A	EPA 8011	882385	EPA 8011	882528
92753000019	MW-19B	EPA 8011	882385	EPA 8011	882528
92753000020	MW-21B	EPA 8011	882385	EPA 8011	882528
92753000001	MW-17B	8260D	2366890	EPA 8260D	2366890
92753000001	MW-17B	8260D	2368873	EPA 8260D	2368873
92753000002	MW-22B	8260D	2366890	EPA 8260D	2366890
92753000003	DMW-2	8260D	2366890	EPA 8260D	2366890
92753000003	DMW-2	8260D	2368873	EPA 8260D	2368873
92753000004	DMW-3	8260D	2366890	EPA 8260D	2366890
92753000004	DMW-3	8260D	2368873	EPA 8260D	2368873
92753000005	DUP	8260D	2366245	EPA 8260D	2366245
92753000006	TRIP BLANK	8260D	2366245	EPA 8260D	2366245
92753000007	TEW-1	8260D	2366890	EPA 8260D	2366890
92753000007	TEW-1	8260D	2368873	EPA 8260D	2368873
92753000008	TEW-2	8260D	2366890	EPA 8260D	2366890
92753000008	TEW-2	8260D	2368873	EPA 8260D	2368873
92753000009	TEW-3	8260D	2366890	EPA 8260D	2366890
92753000010	MW-11A	8260D	2366890	EPA 8260D	2366890
92753000011	MW-11B	8260D	2367191	EPA 8260D	2367191
92753000011	MW-11B	8260D	2369978	EPA 8260D	2369978
92753000012	MW-18A	8260D	2367191	EPA 8260D	2367191
92753000012	MW-18A	8260D	2369978	EPA 8260D	2369978
92753000013	MW-18B	8260D	2367191	EPA 8260D	2367191

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UST 11946/691444

Pace Project No.: 92753000

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92753000014	MW-21A	8260D	2367191	EPA 8260D	2367191
92753000015	MW-22A	8260D	2367191	EPA 8260D	2367191
92753000016	FIELD BLANK	8260D	2367191	EPA 8260D	2367191
92753000017	MW-20B	8260D	2367191	EPA 8260D	2367191
92753000018	MW-20A	8260D	2367191	EPA 8260D	2367191
92753000019	MW-19B	8260D	2367191	EPA 8260D	2367191
92753000020	MW-21B	8260D	2367191	EPA 8260D	2367191

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# Data Checker

PASI Charlotte Laboratory

For Project: 92753000

Project Manager: Jonathan Biddix



Project Data Summary	Data	Details
0	Data	Details
1	Revenue	\$ 937
2	Received	09/11/24
3	QC Cross	Y
3	Samples per page	S
3	Report Version	B
3	Case Narrative	N
3	Sample	Q
5	Aux data	NOTE
6	Status	Completed
11	Warnings	000
12	Errors	000

Sample Flags	Sample #	Flag1	Flag4	Flag5	FLag9	Flag27
1	ALL SAMPLES FLAGS	J	2	.	D	F



Pace Analytical Services, LLC  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

Quincey Hoffer  
SCDES

Pace Project Number: 92753000

## **REPORT OF LABORATORY ANALYSIS**

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Matt  
11946

# MBM MOORE BRADLEY MYERS

S. Jahue Moore\*  
James Edward Bradley\*  
Sheila McNair Robinson  
Christian G. Spradley  
William H. Edwards  
S. Jahue Moore, Jr.  
William B. Fortino  
Ralph Nichols Riley, Jr.  
John C. Bradley, Jr.  
Lester McGill Bell, Jr.

Melissa K. Moore  
Sierra D. Carini  
Emily E. Collins  
Erin R. Conroy  
Catherine Liscusky Jumper

RECEIVED  
NOV 18 2024  
LIT DIVISION

Retired  
J. Mark Taylor\*\*  
C. David Sawyer, Jr.\*  
Billy C. Coleman (1916-2019)  
Stanley L. Myers\* (1976-2023)  
Robert D. Hazel† (1936-2024)

November 8, 2024

S.C. Department of Health and  
Environmental Control  
2600 Bull Street  
Columbia, SC 29201

RECEIVED

NOV 14 2024

SITE ASSESSMENT,  
REMEDICATION, &  
REVITALIZATION

DOCKETING  
2325  
Jahue

RE: Broad River C-Store, Columbia, SC

Gentlemen:

I represent Broad River C-Store. On numerous occasions you have asked us to select a person to do the remediation. Every time you have asked us to make a decision we have done so.

You have regularly promised to clean up the contamination at the location in question. To date nothing has been done that we know of to clean up the site.

The spill at this store was significant. Please accept this letter as a demand that you immediately take appropriate steps to clean up this site. It is incredibly frustrating to us for you to continue sending us paper; to have us sign the papers; and then you do nothing.

We would appreciate your prompt attention to this matter.

Yours very truly,

S. Jahue Moore

SJM:dc

cc: Senator Ronnie W. Cromer  
Mr. Paul Desai