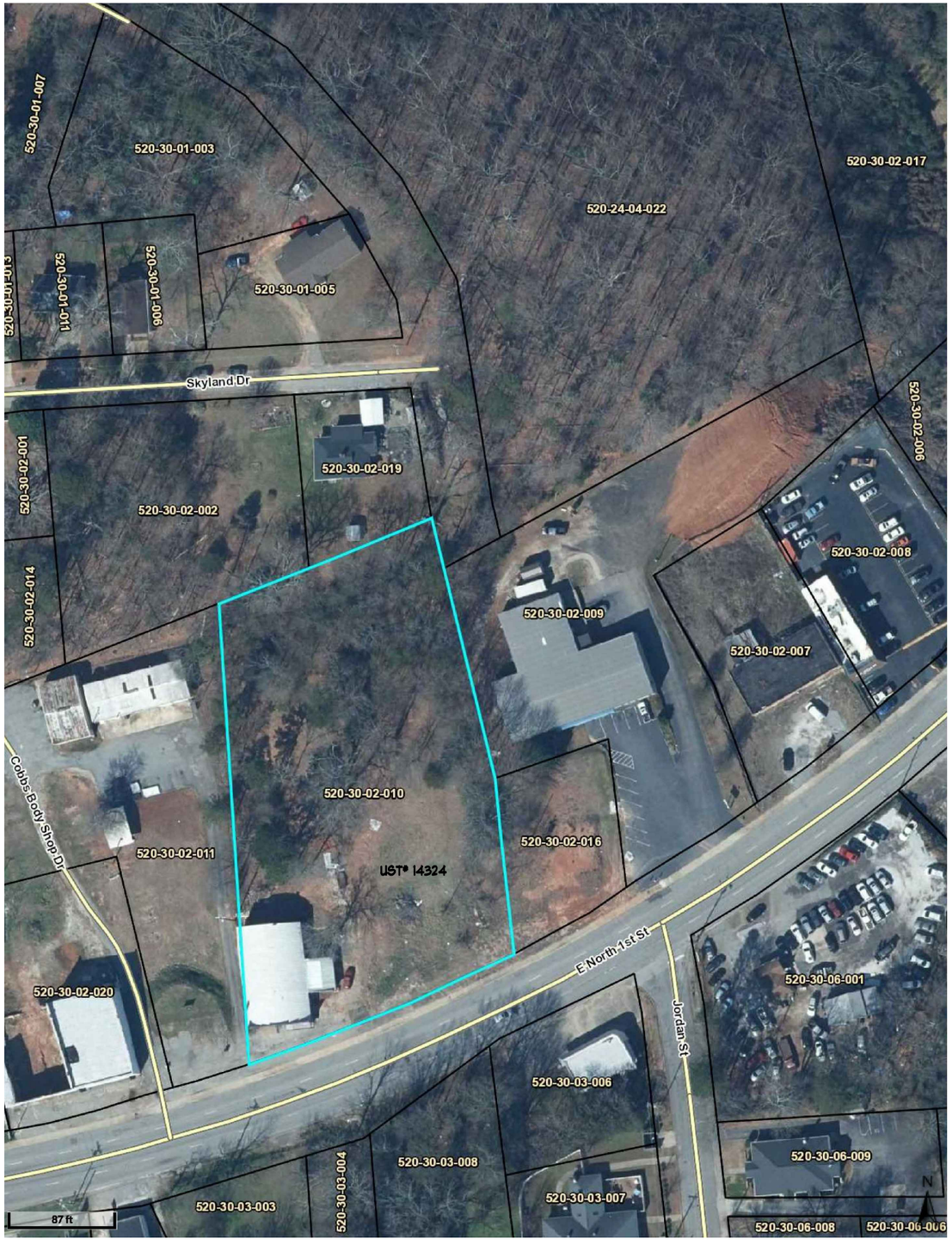


Tax Map information obtained from Oconee County, SC GIS Department.

Oconee County TMS #	Property Owner	Wells on Property
520-30-02-010 UST# 14324	Gary Alexander 414 Edgewater Drive Westminster, SC 29693	MW-1, MW-2, MW-4, MW-5, MW-12, MW-13, MW-19R, MW-20, MW-21R, MW-22, MW-24, MW-25, MW-26, DW-1, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
520-30-02-016	Kin Jeon Yi PO Box 5412 Anderson, SC 29623	MW-27 & MW-28
520-30-02-009	Oconee Welding Supply Inc. 601 E North 1st Street Seneca, SC 29678	MW-23, MW-29, MW-31, MW-32, DW-2, DW-3, DW-4, DW-5, DDW-2, DDW-3 & DDW-4
520-30-02-011	Shadwick Group Inc. PO Box 325 Seneca, SC 29679	N/A
520-30-02-002	Cynthia A. Verner 408 Skyland Drive Seneca, SC 29678	N/A
520-30-02-019	Sue Elizabeth Crawford 408 Skyland Drive Seneca, SC 29678	N/A
520-24-04-022	Wayne & Brenda Frady 430 E North 5th Street Seneca, SC 29678	DDW-1 & SW-1
520-30-02-007	AGAS Group LLC 9 Old American Blvd. Pendleton, SC 29670	N/A
520-30-02-008	Andrew & Soula Demos 611 E North 1st Street Seneca, SC 29678	N/A
520-30-02-017	Deborah Manley 55 Meadow Crest Road Tryon, NC 28782	SW-2 & SW-3
520-30-02-006	Deborah Manley 55 Meadow Crest Road Tryon, NC 28782	SW-4
520-30-03-006	Vikas & Swati Vasoya 526 E North 1st Street Seneca, SC 29678	N/A
520-30-03-008	Duane Loeffler Sr. PO Box 1955 Seneca, SC 29679	N/A
520-30-03-004	Duane Loeffler Sr. PO Box 1955 Seneca, SC 29679	N/A
520-30-03-003	Duane & Arlene Loeffler PO Box 1955 Seneca, SC 29679	N/A

Tax Map Data

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 21-7631
DATE August 23, 2022
Appendix C

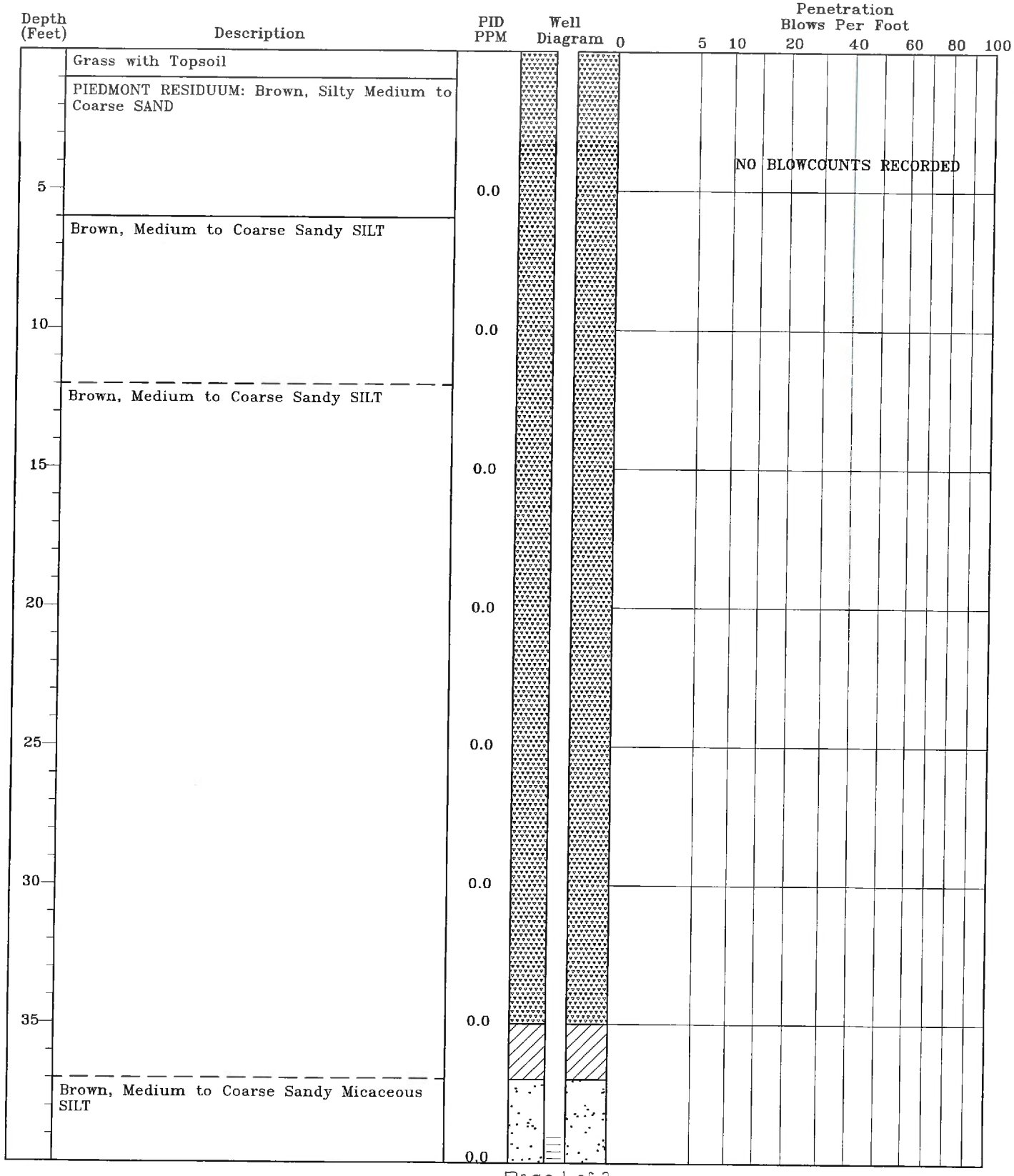
APPENDIX D:

SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS

(Not Applicable)

APPENDIX E:

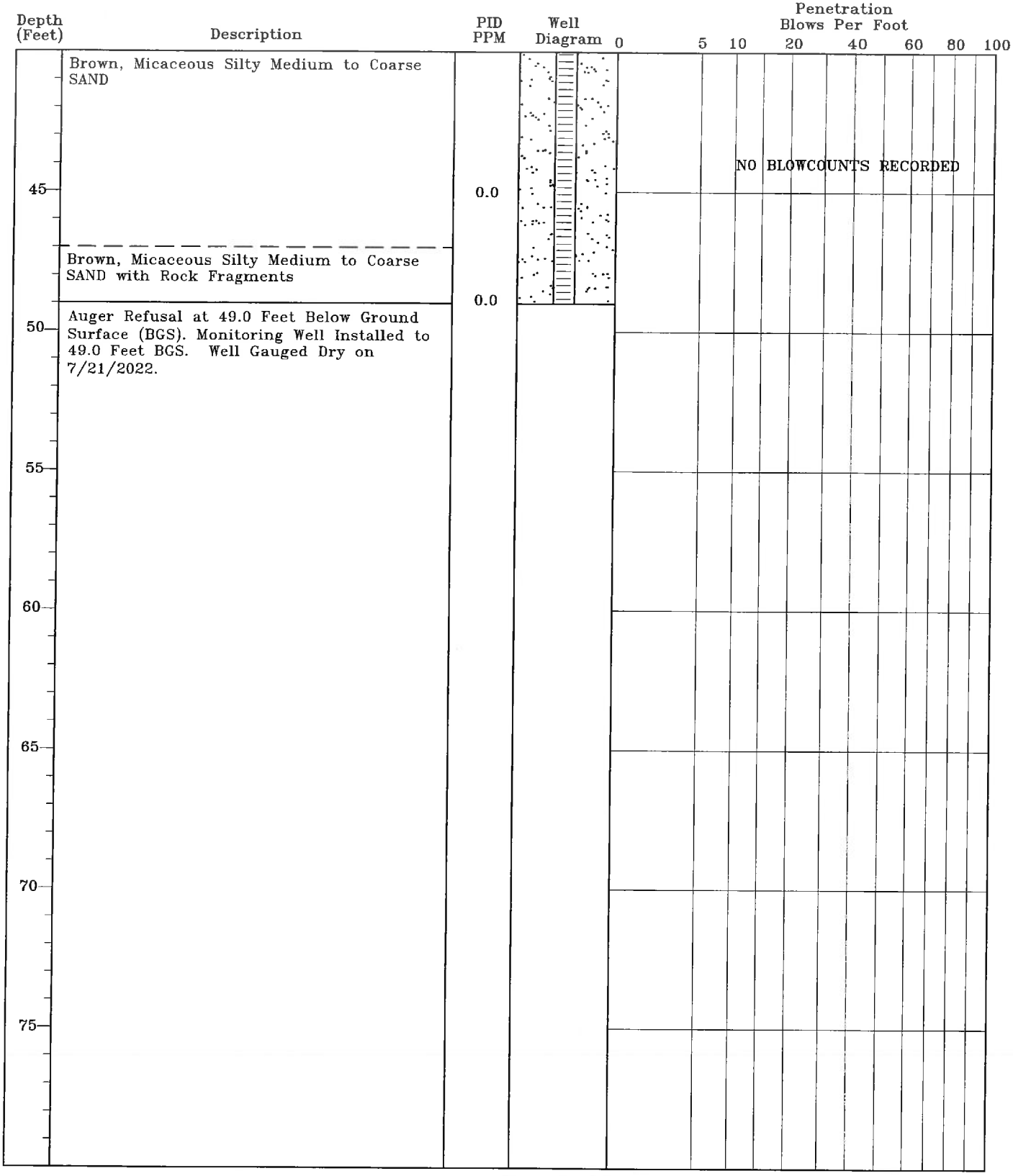
WELL COMPLETION LOGS & 1903 FORMS



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-MW30
Date Drilled:	5/10/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



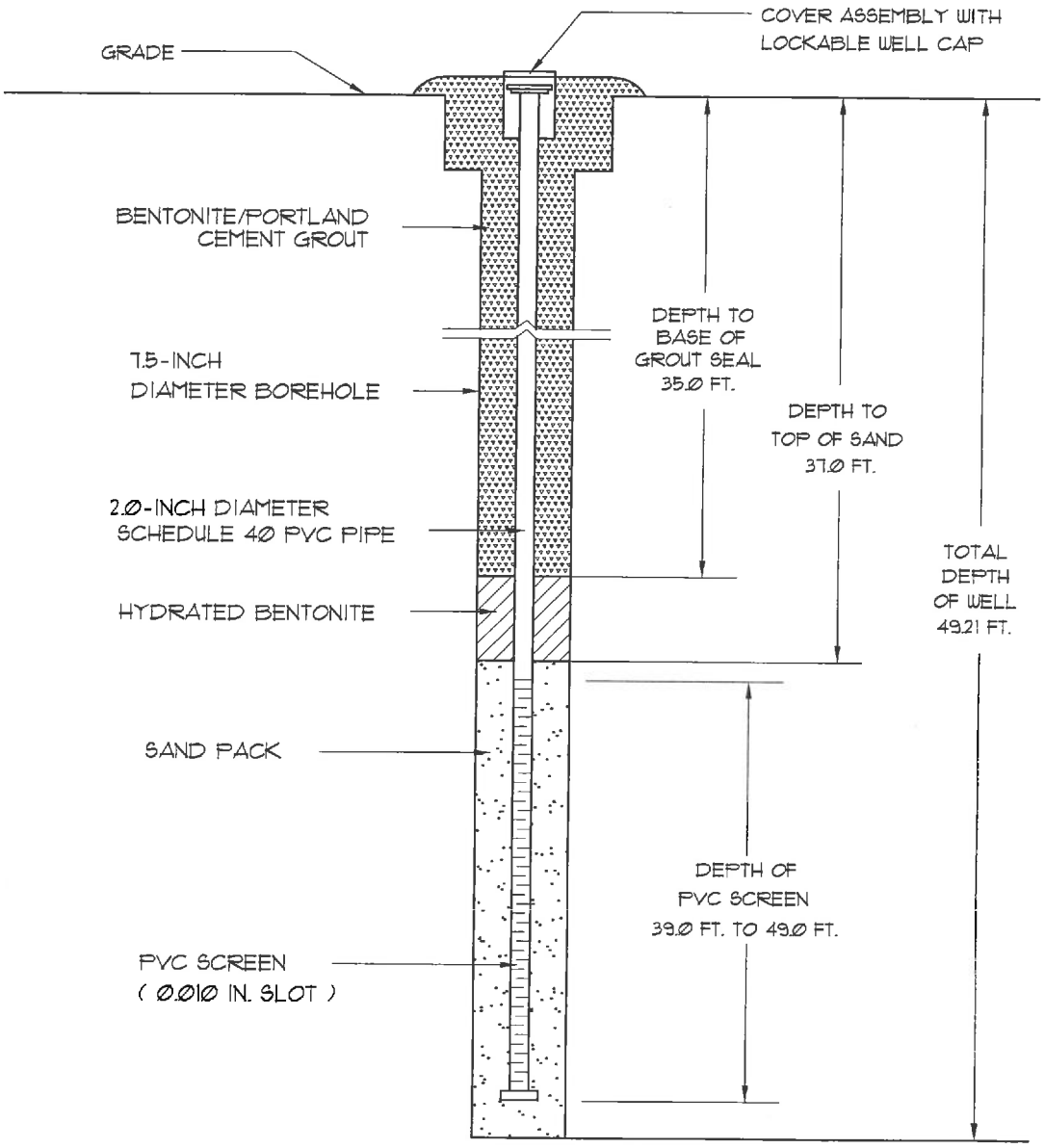
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-MW30
Date Drilled:	5/10/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

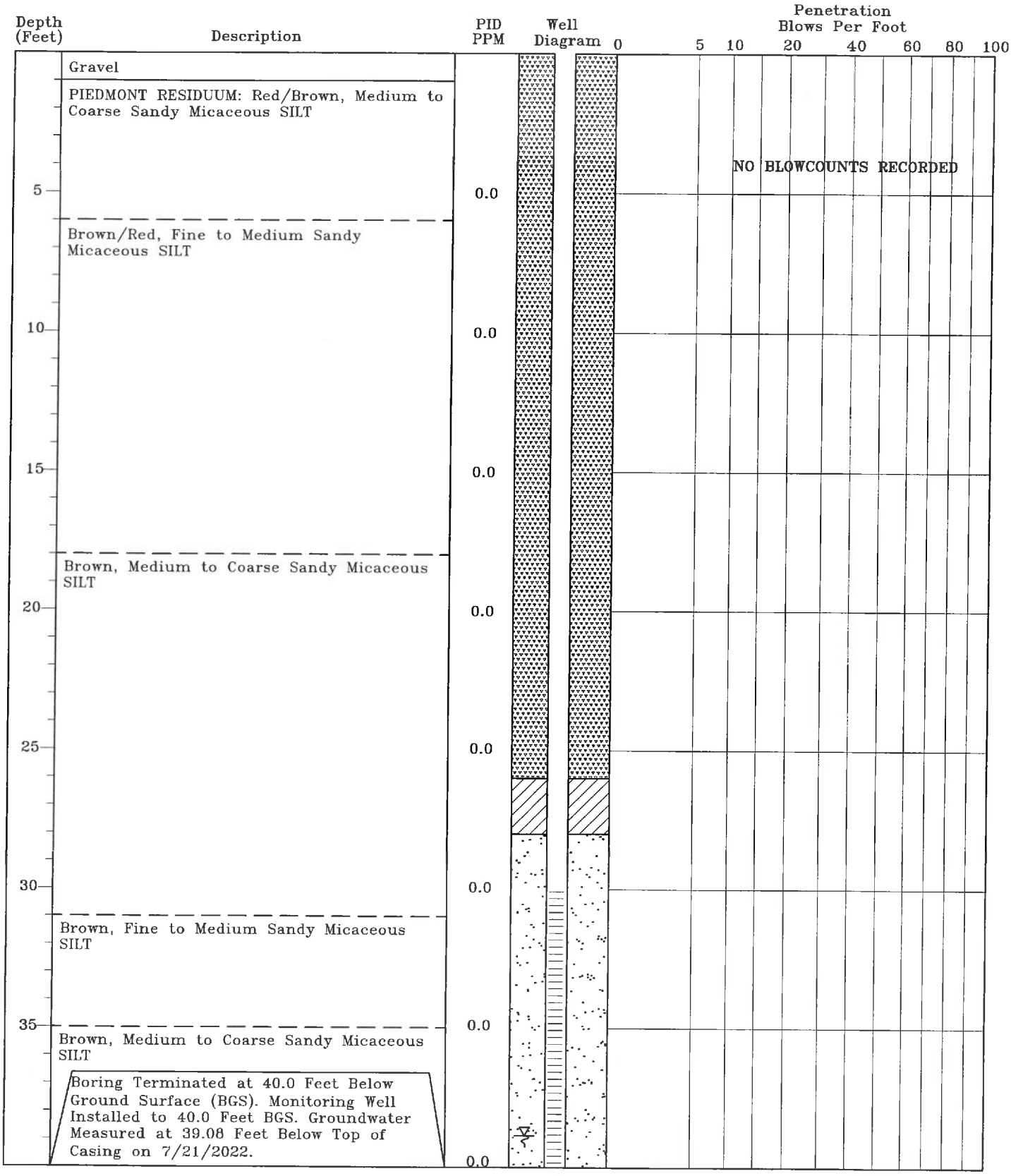
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-MW30
Date Drilled:	5/10/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D.#: D 1846
Logged By:	T. Brown

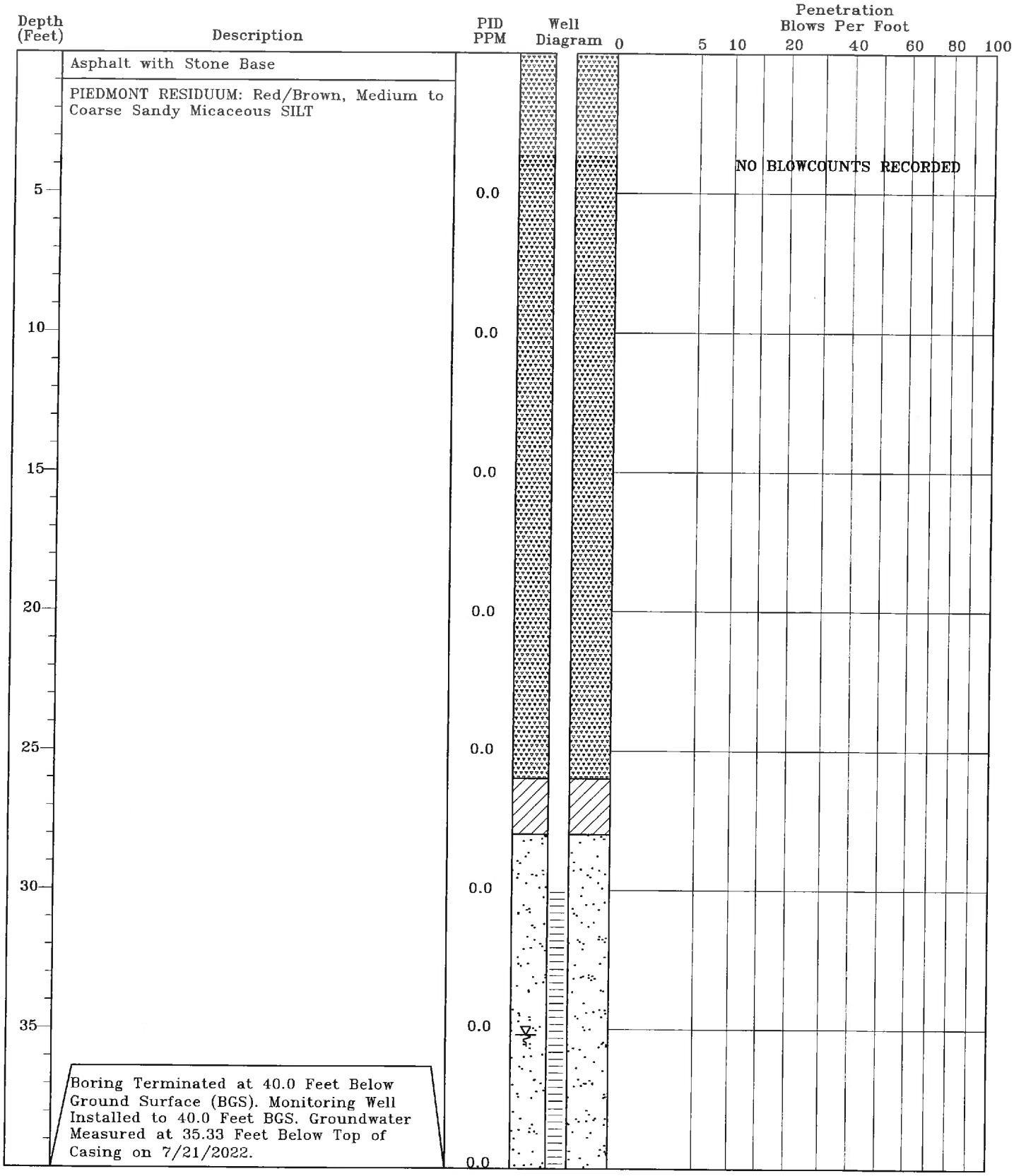
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-MW31
Date Drilled:	7/13/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

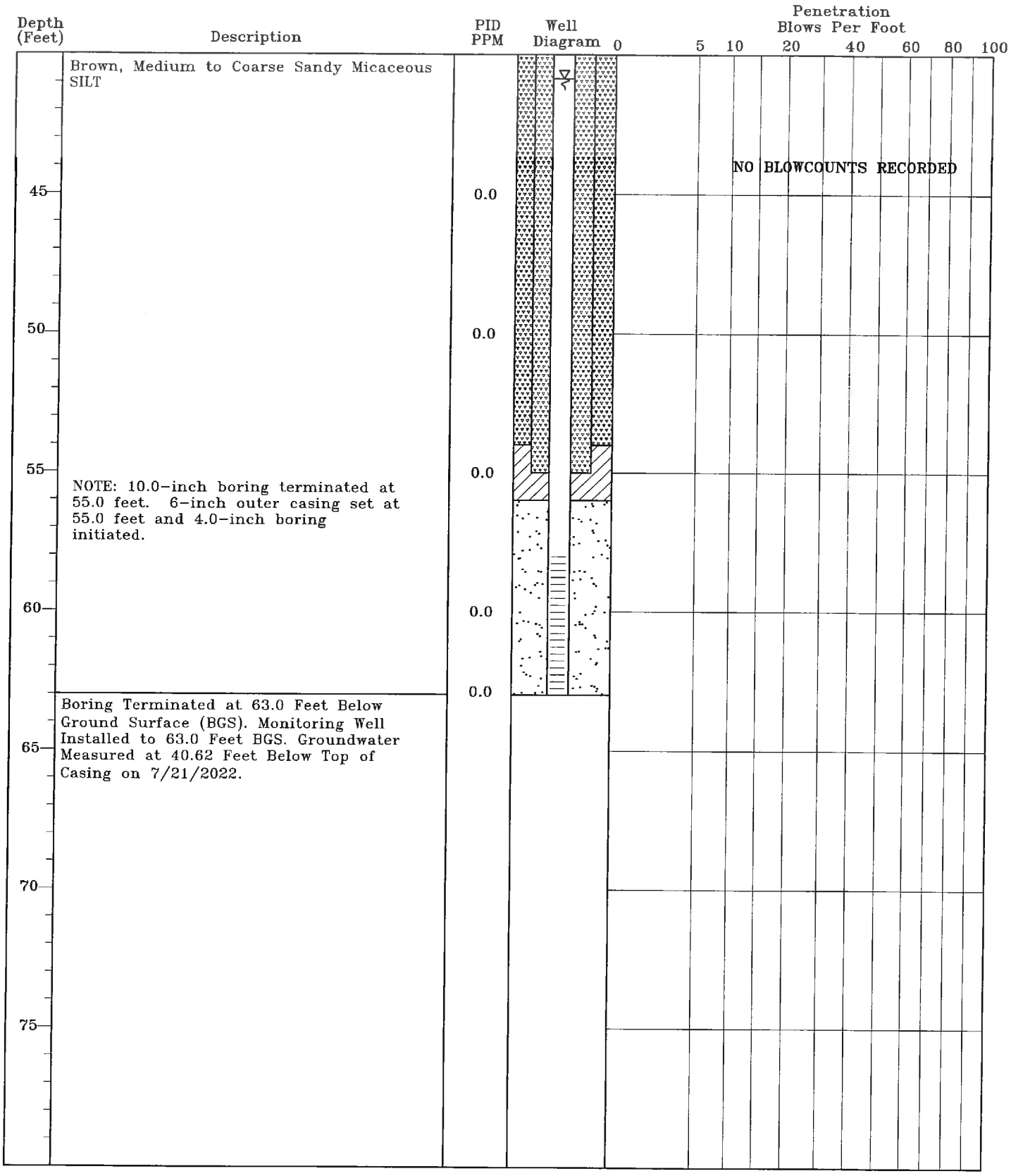
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-MW32
Date Drilled:	7/13/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

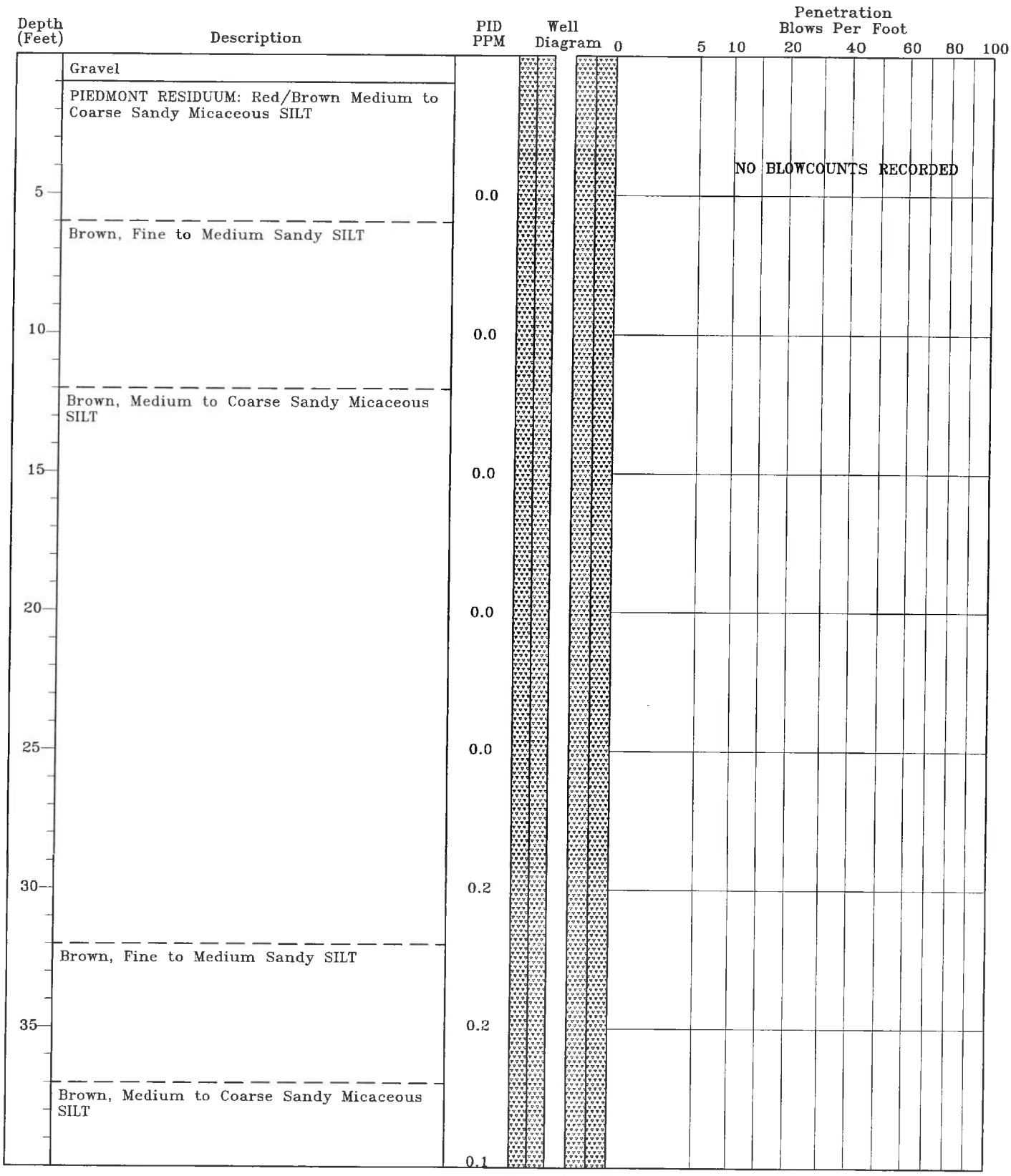
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW04
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



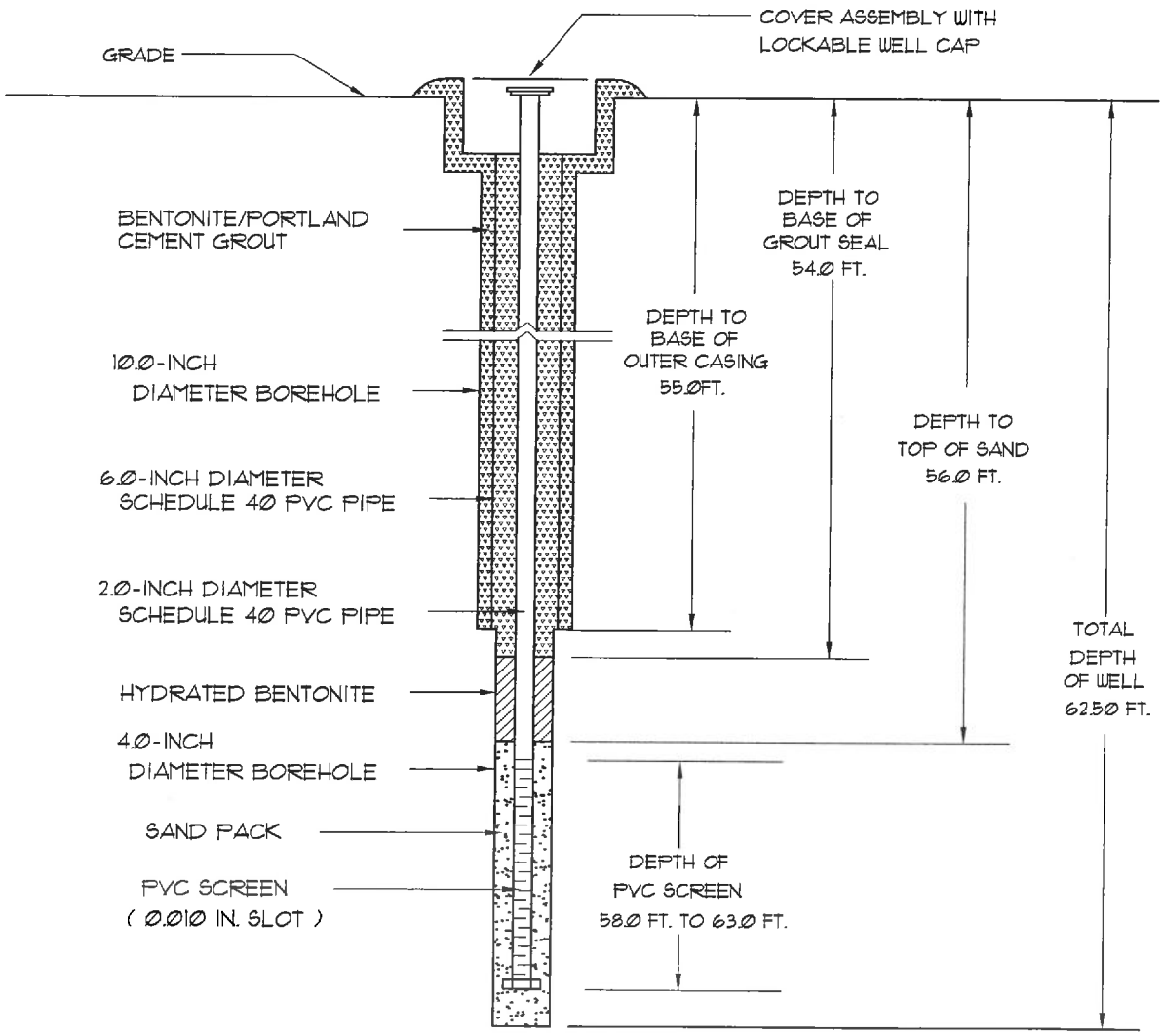
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW04
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

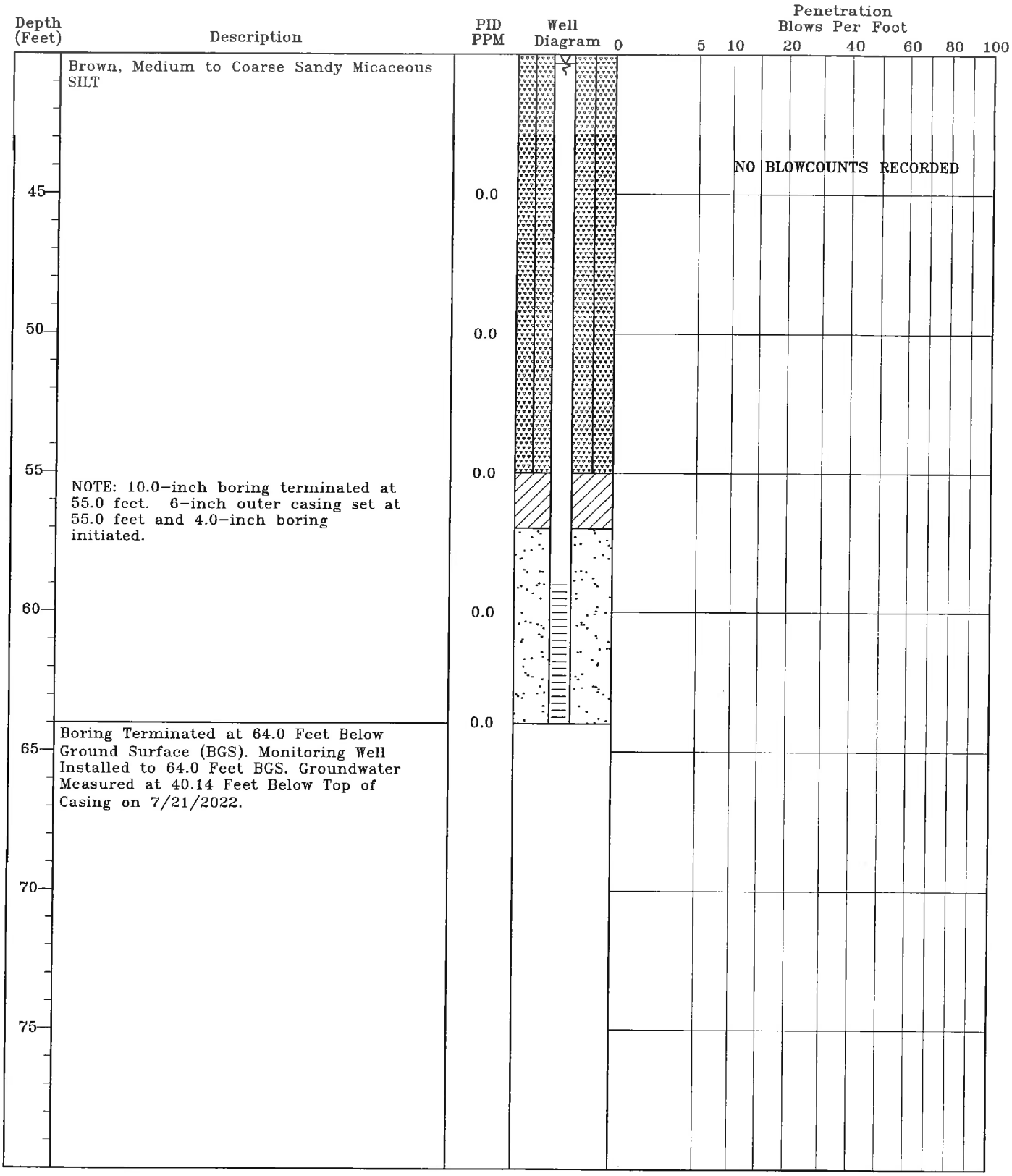
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DW04
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B 01846
Logged By:	T. Brown

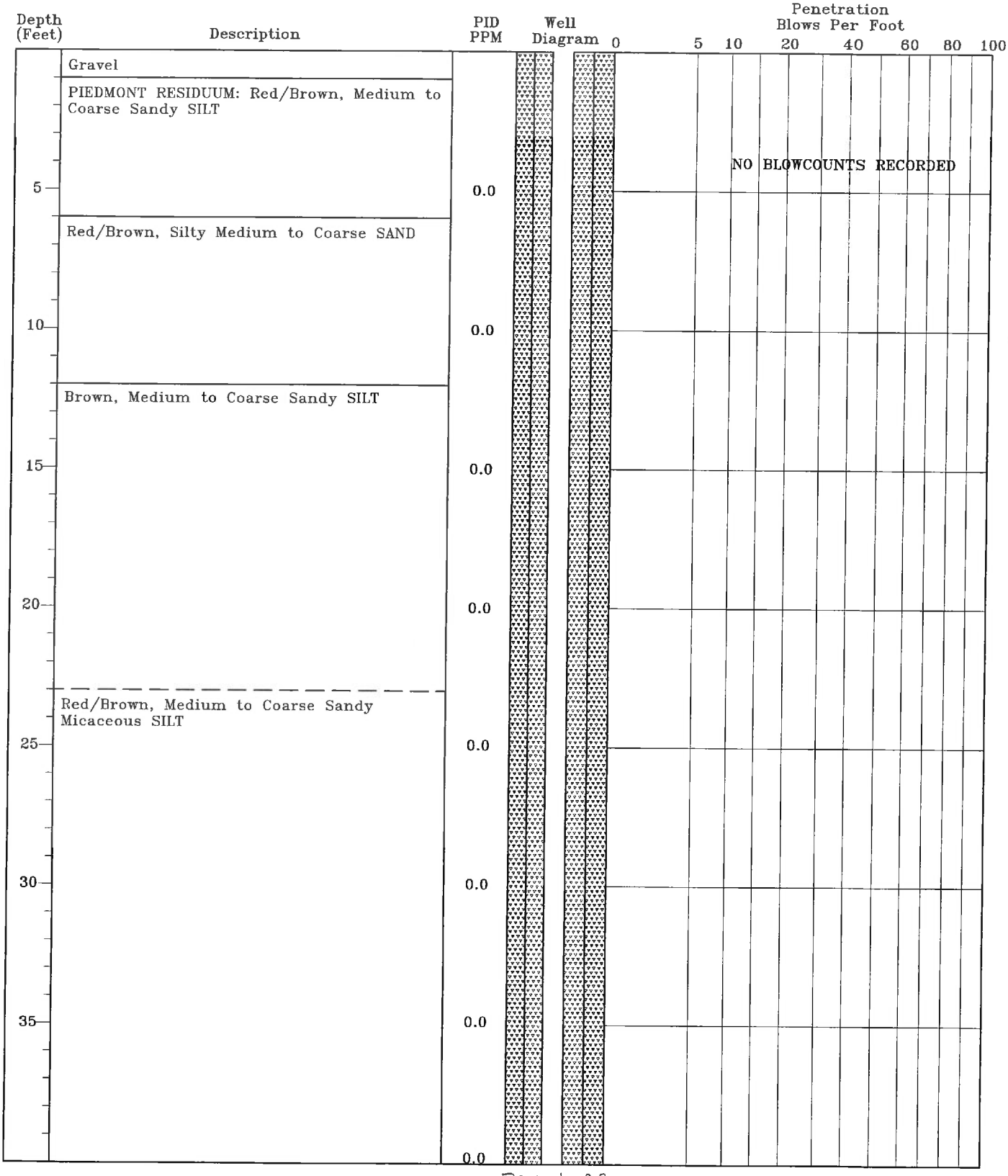
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW05
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



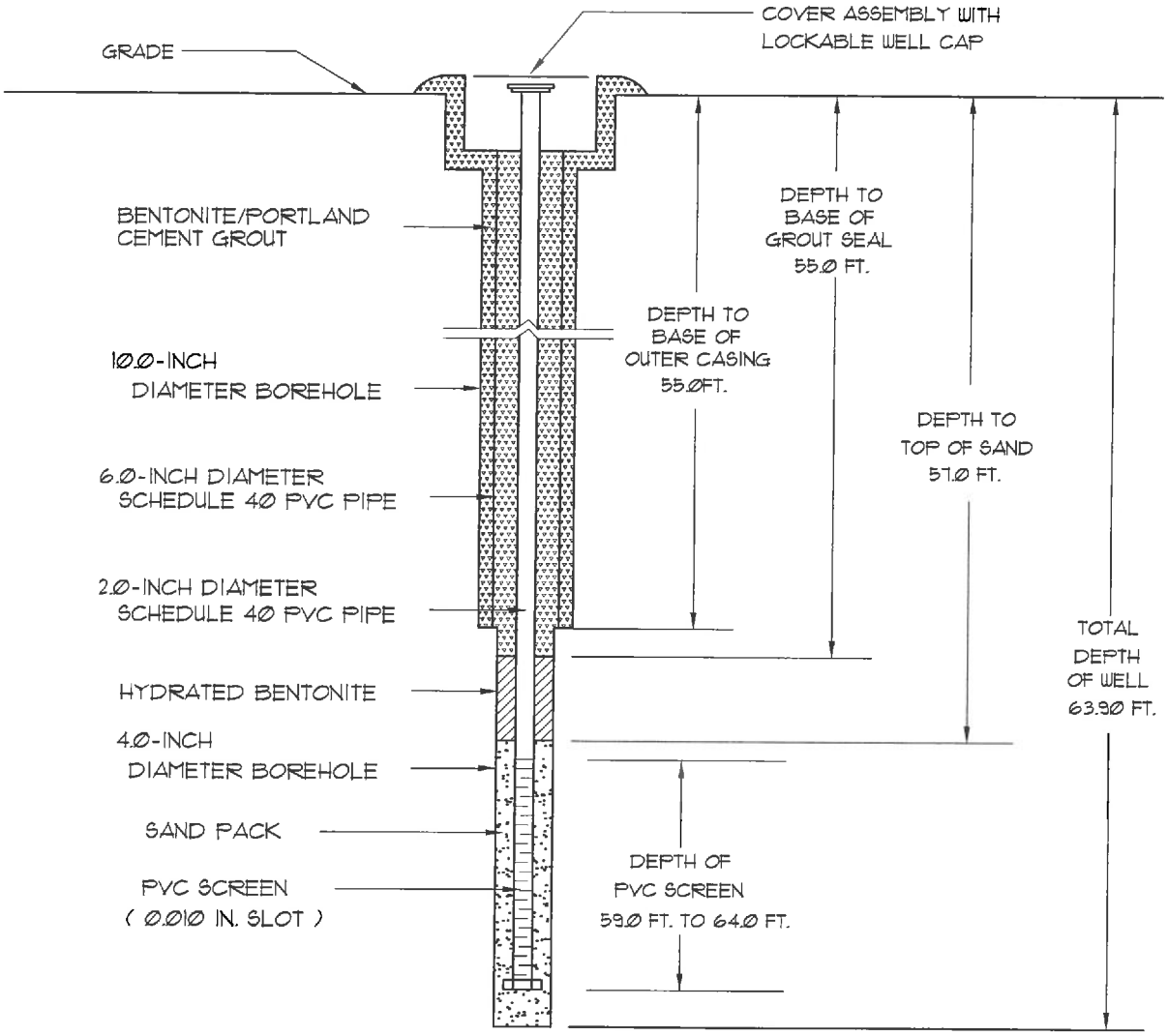
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW05
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

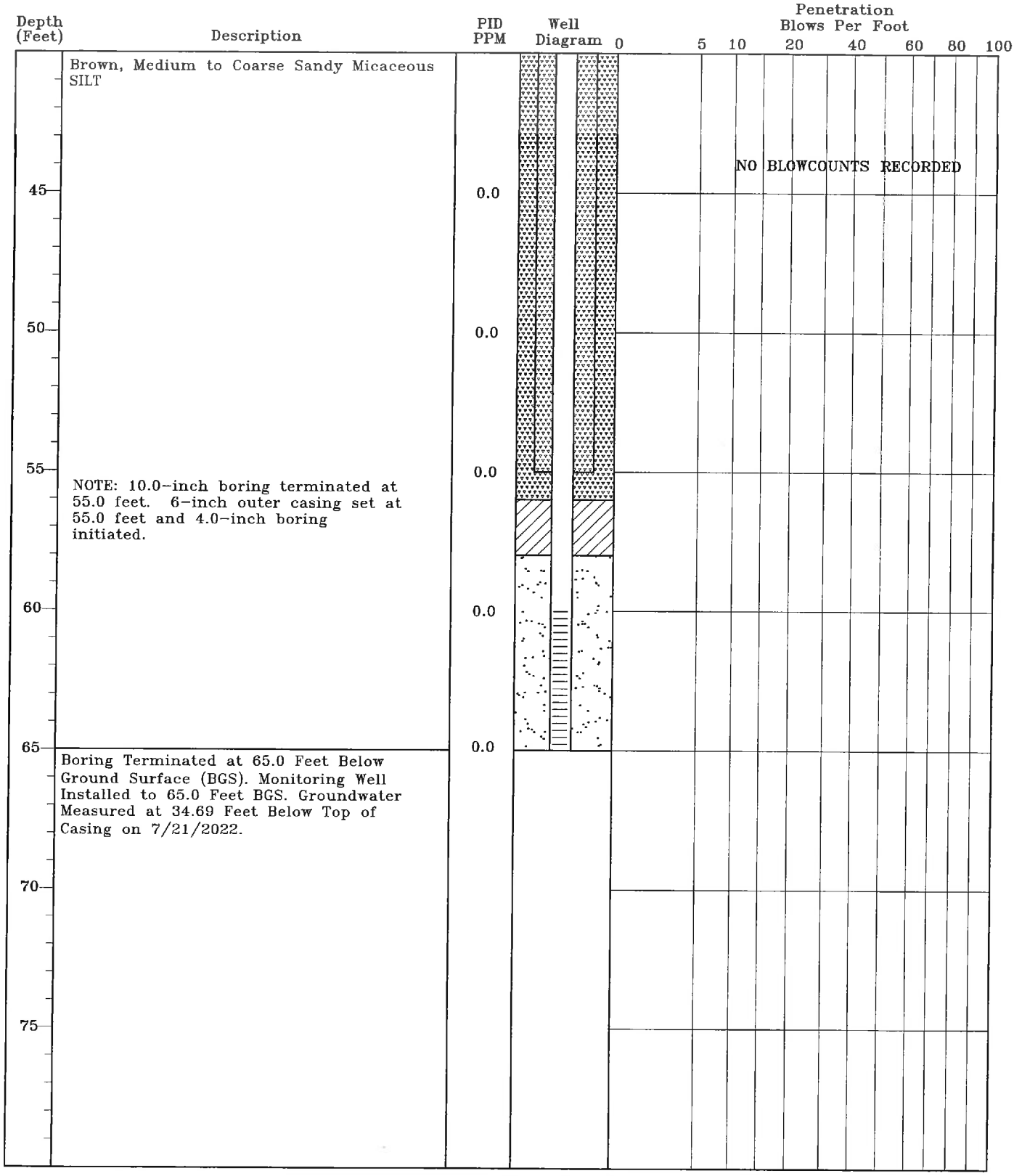
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DW05
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

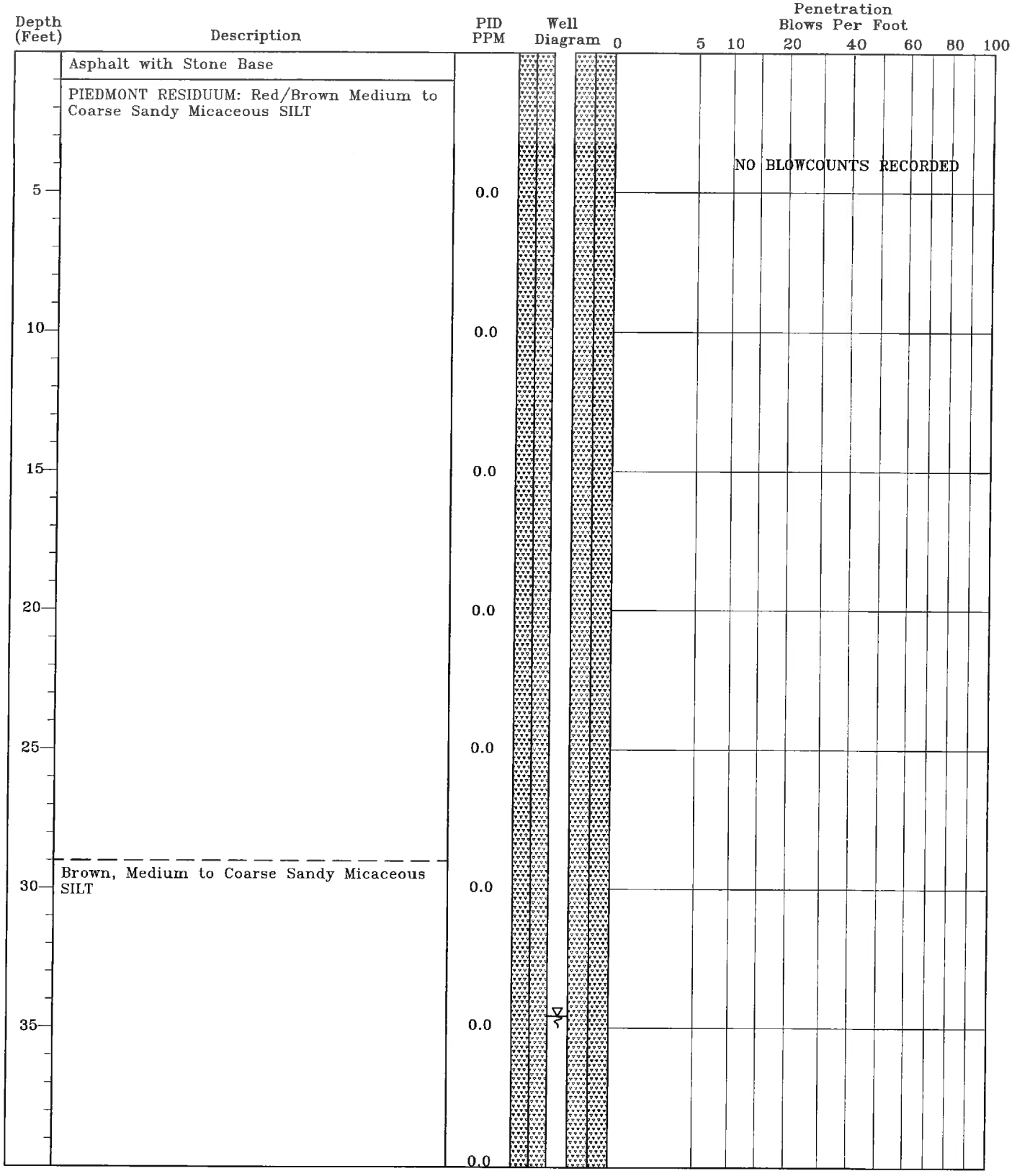
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW06
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



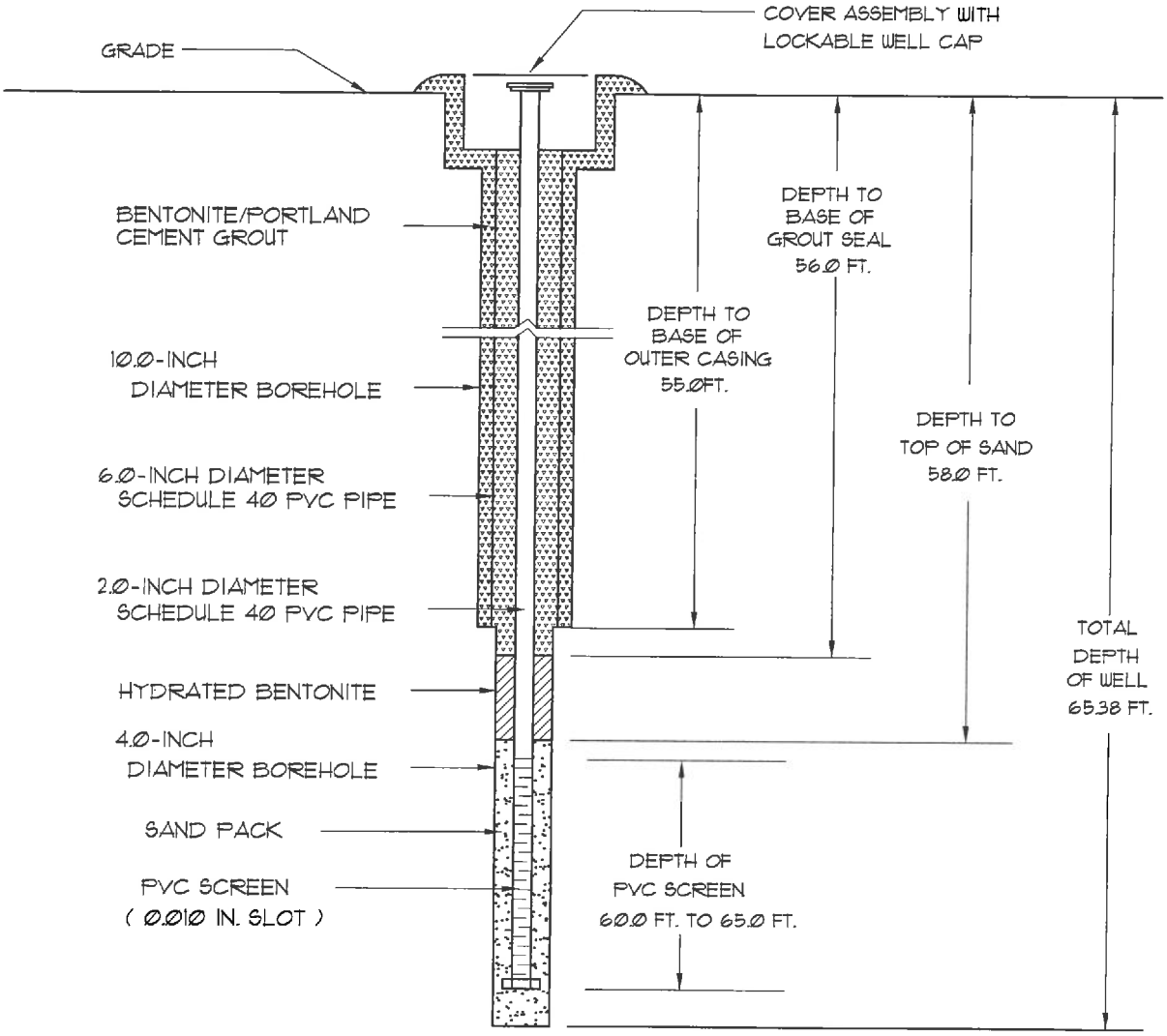
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DW06
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

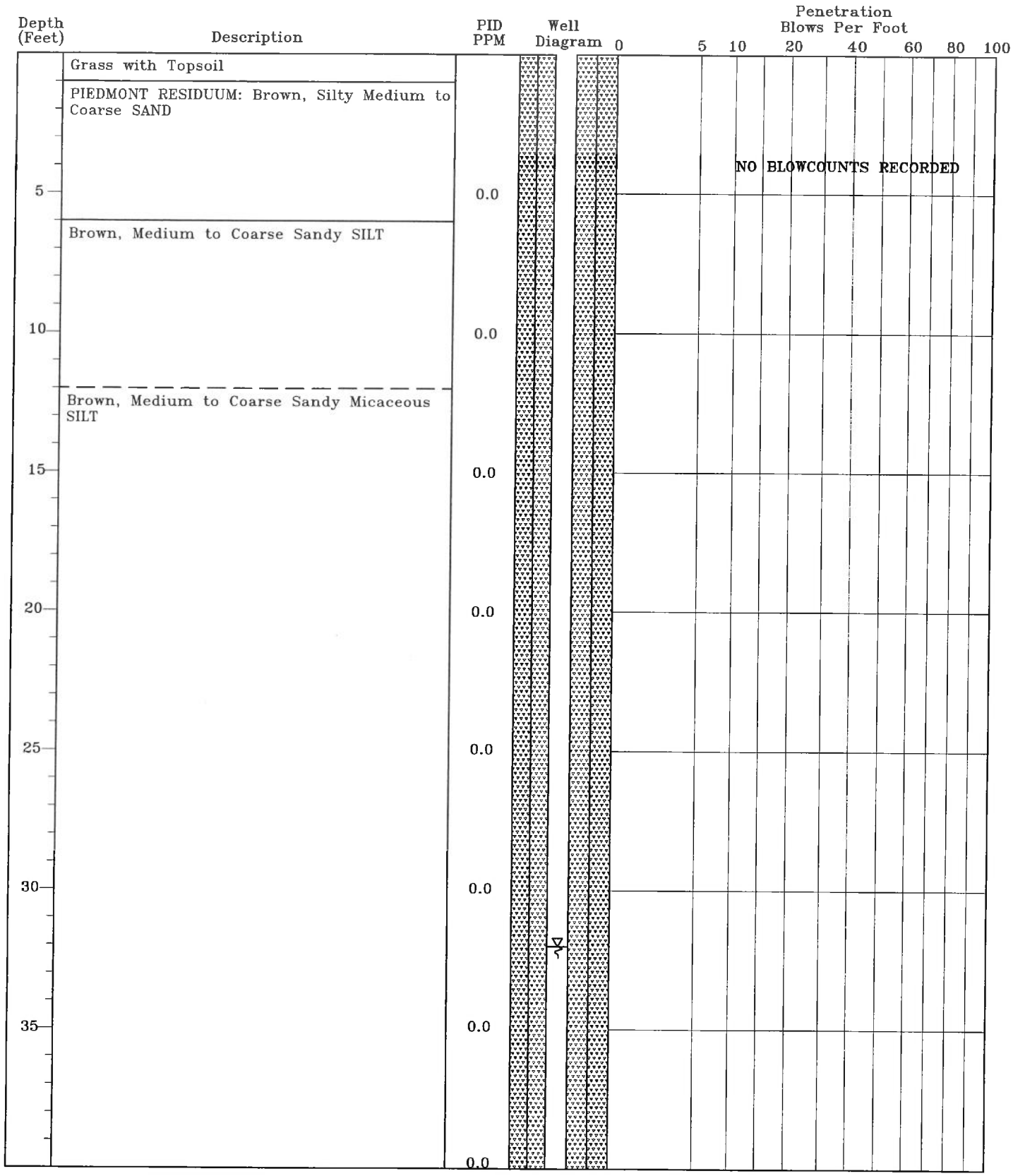
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DW06
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

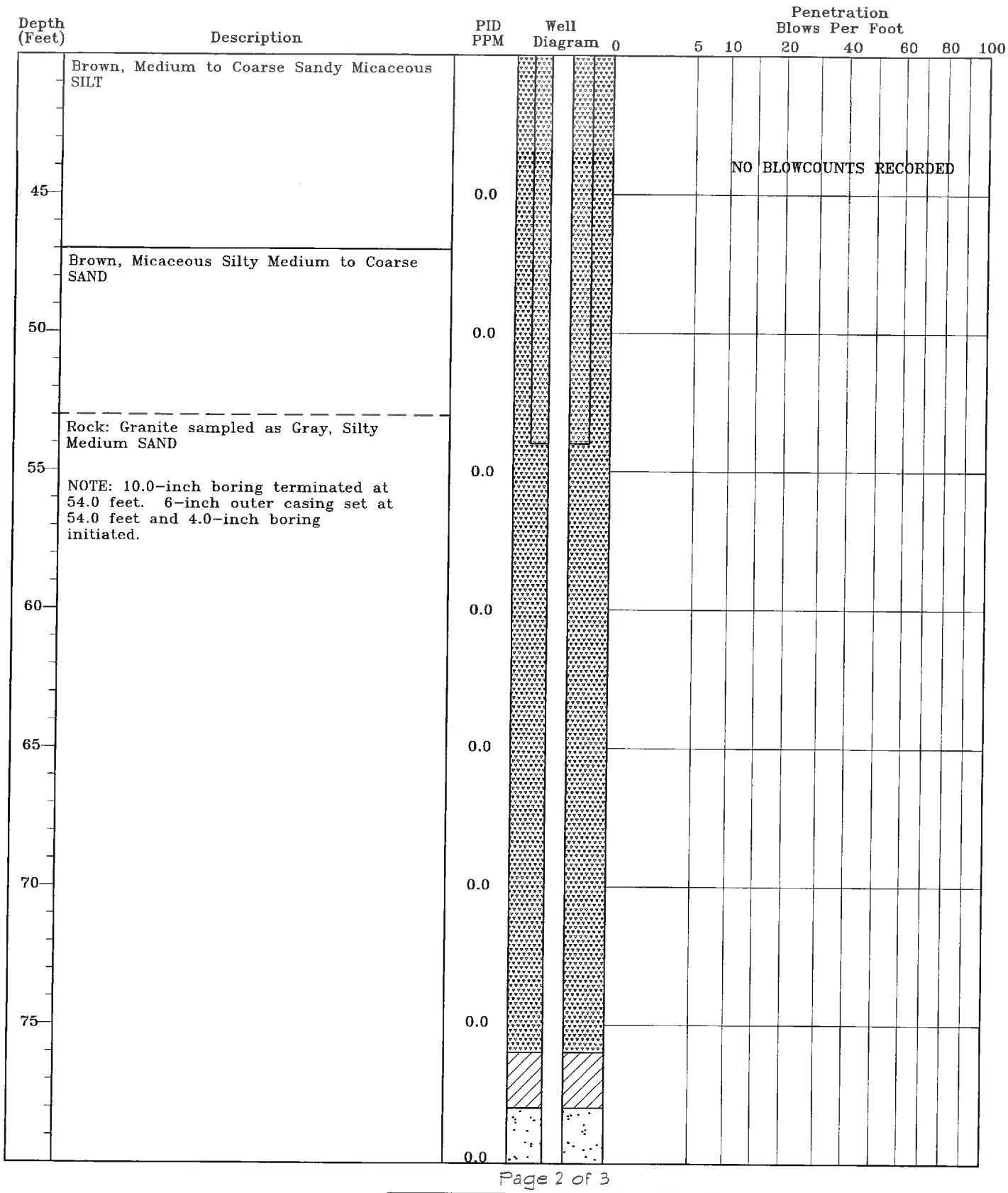
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW01
Date Drilled:	7/15/2022-7/16/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

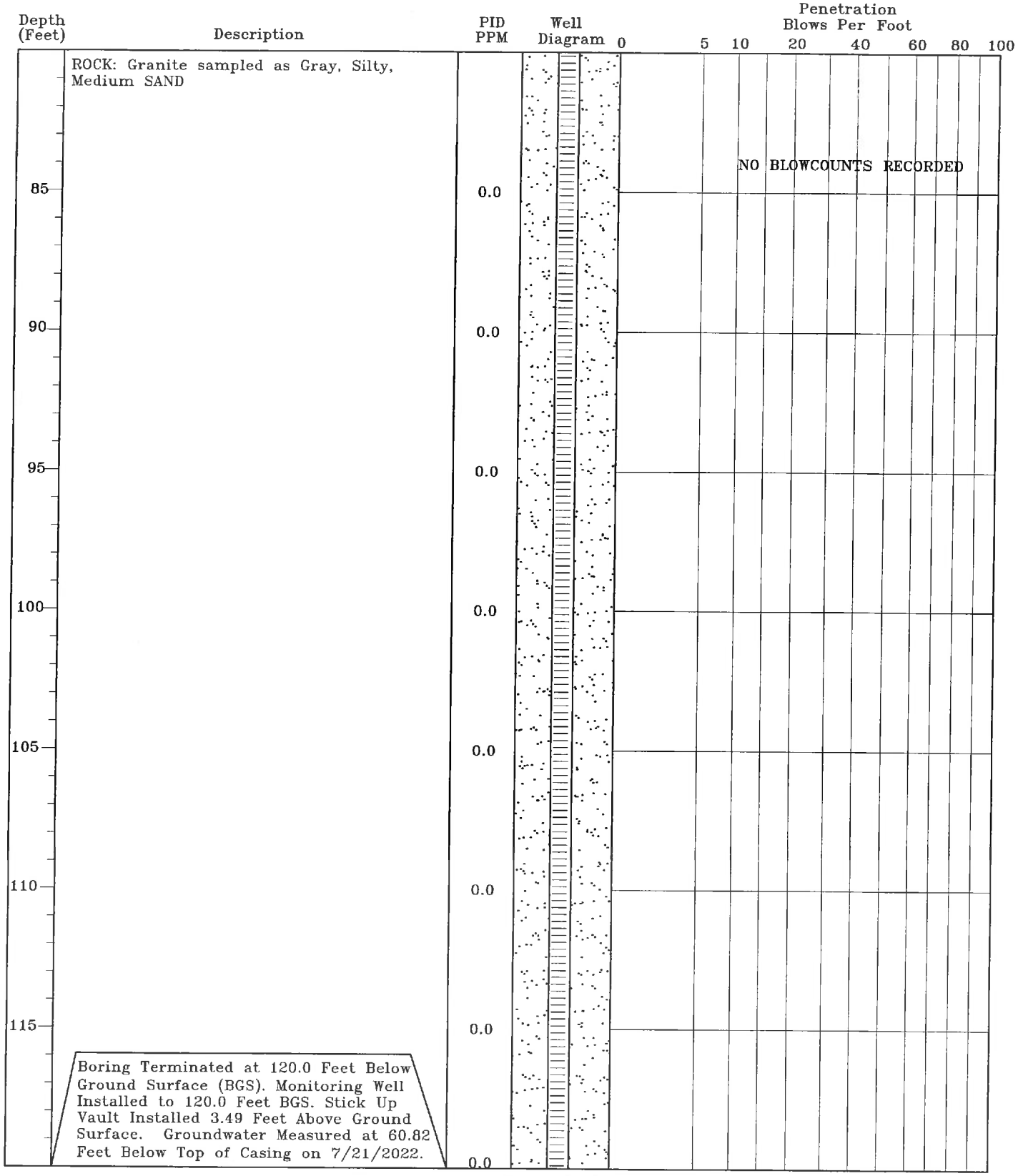
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW01
Date Drilled:	7/15/2022-7/16/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



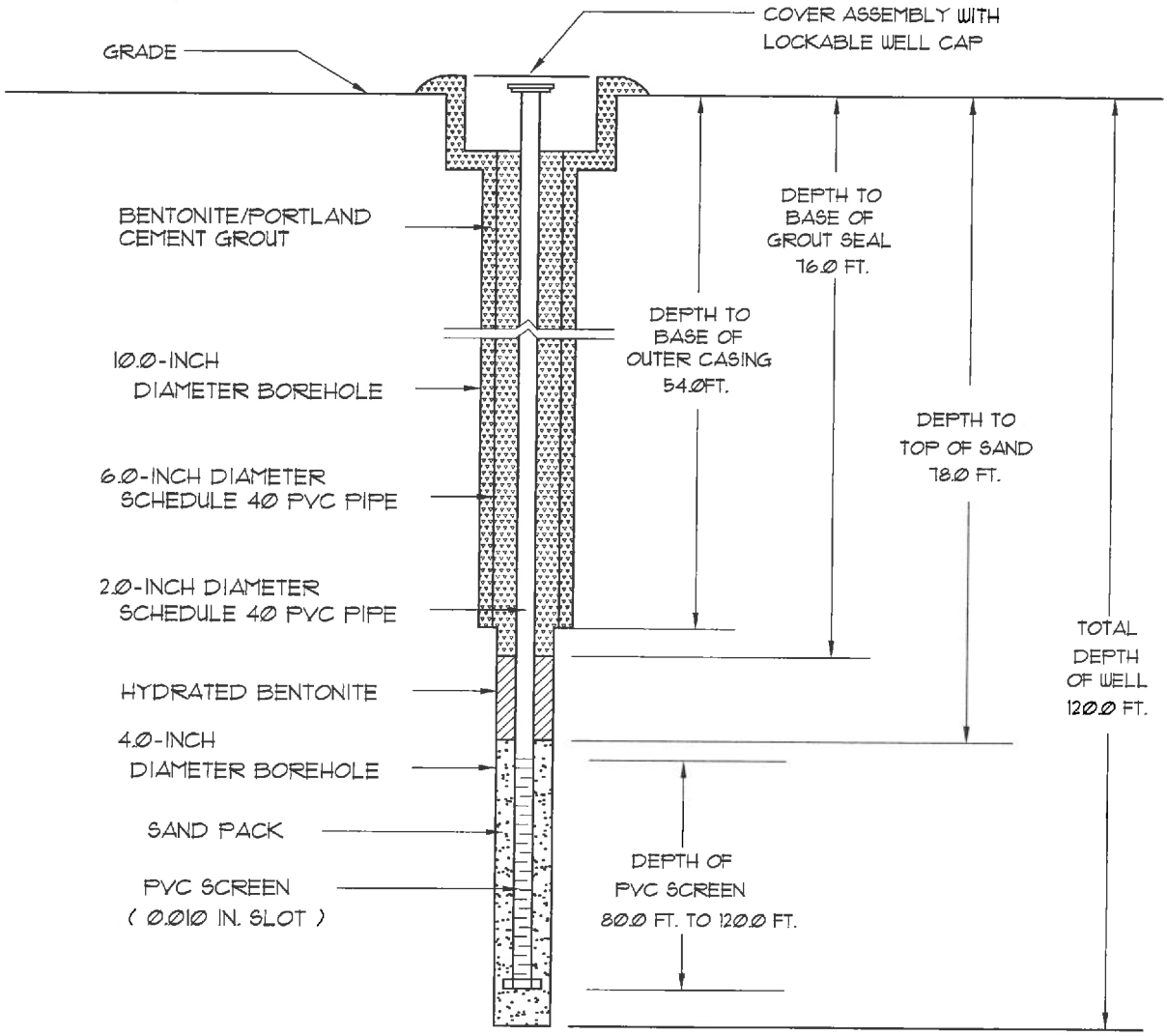
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW01
Date Drilled:	7/15/2022-7/16/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

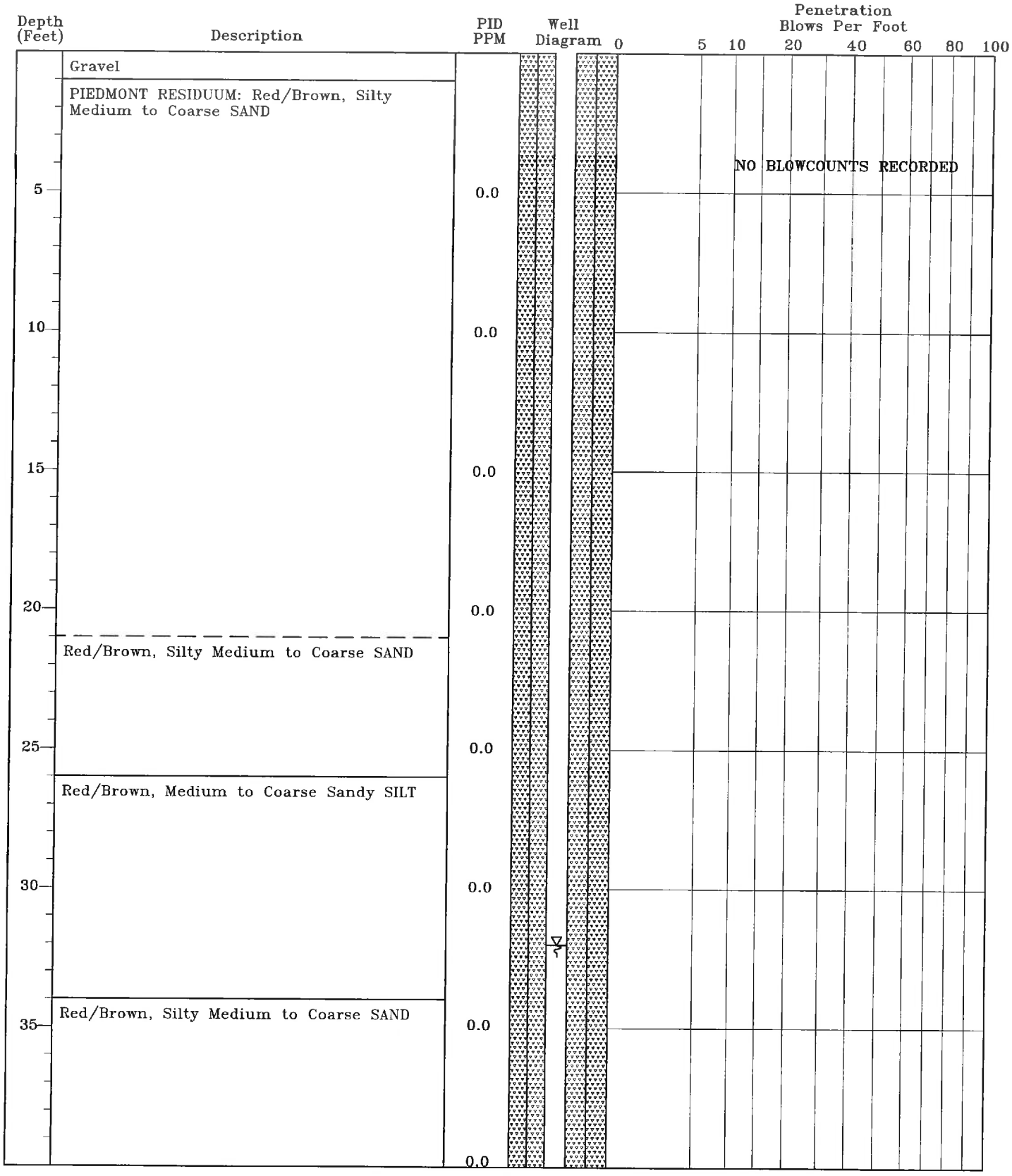
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DDW01
Date Drilled:	5/10/2022-5/11/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

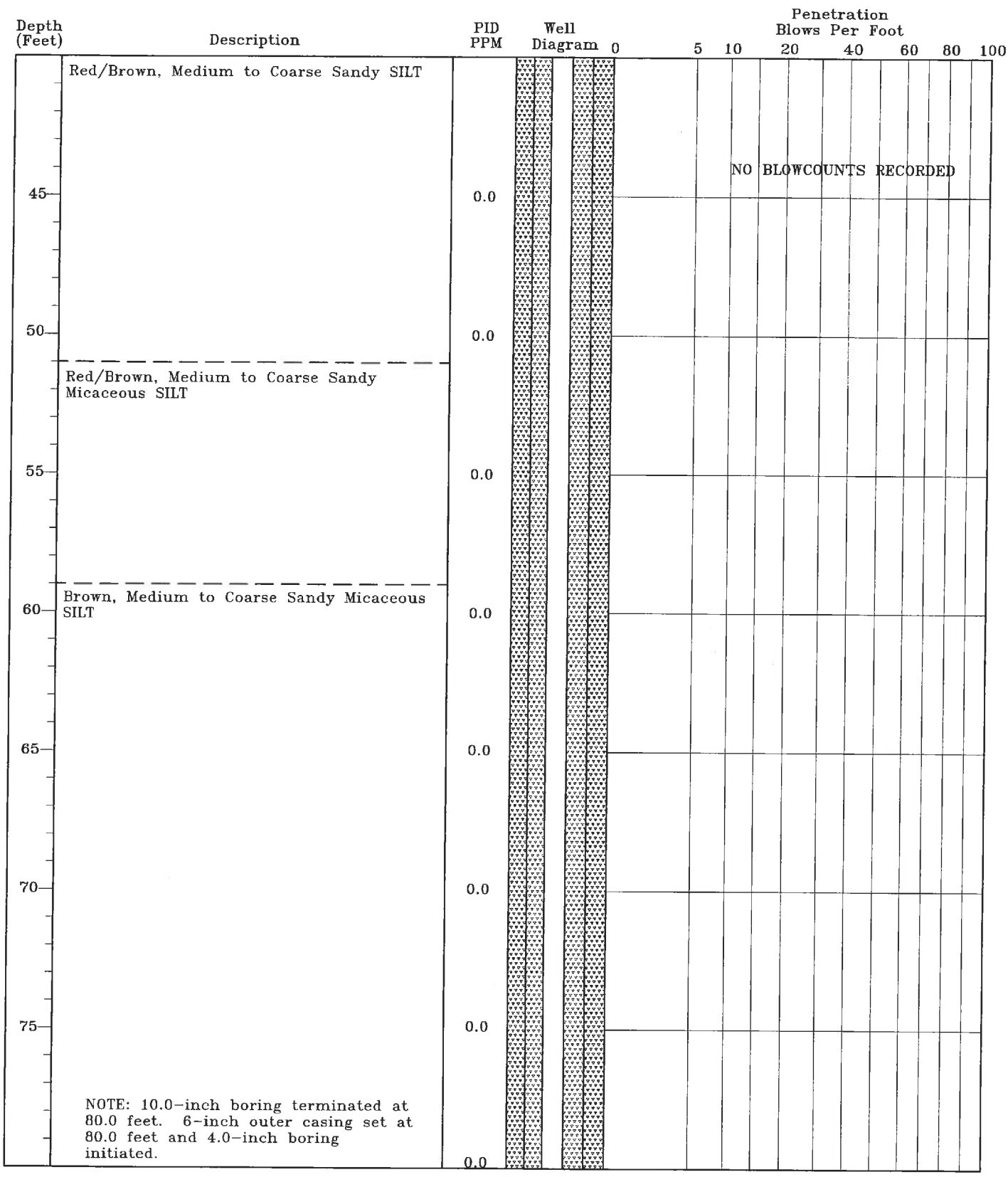
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW02
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

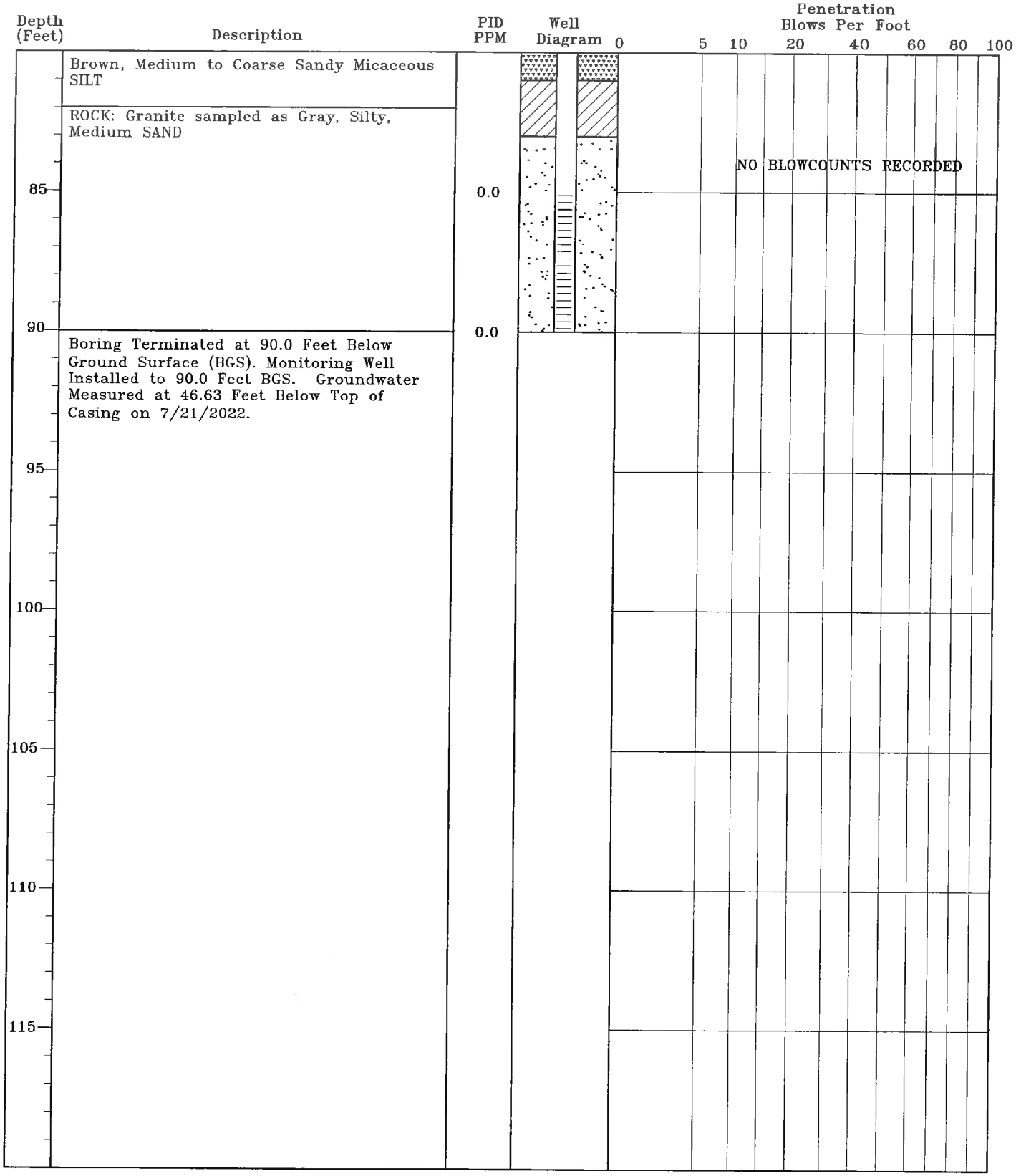
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW02
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



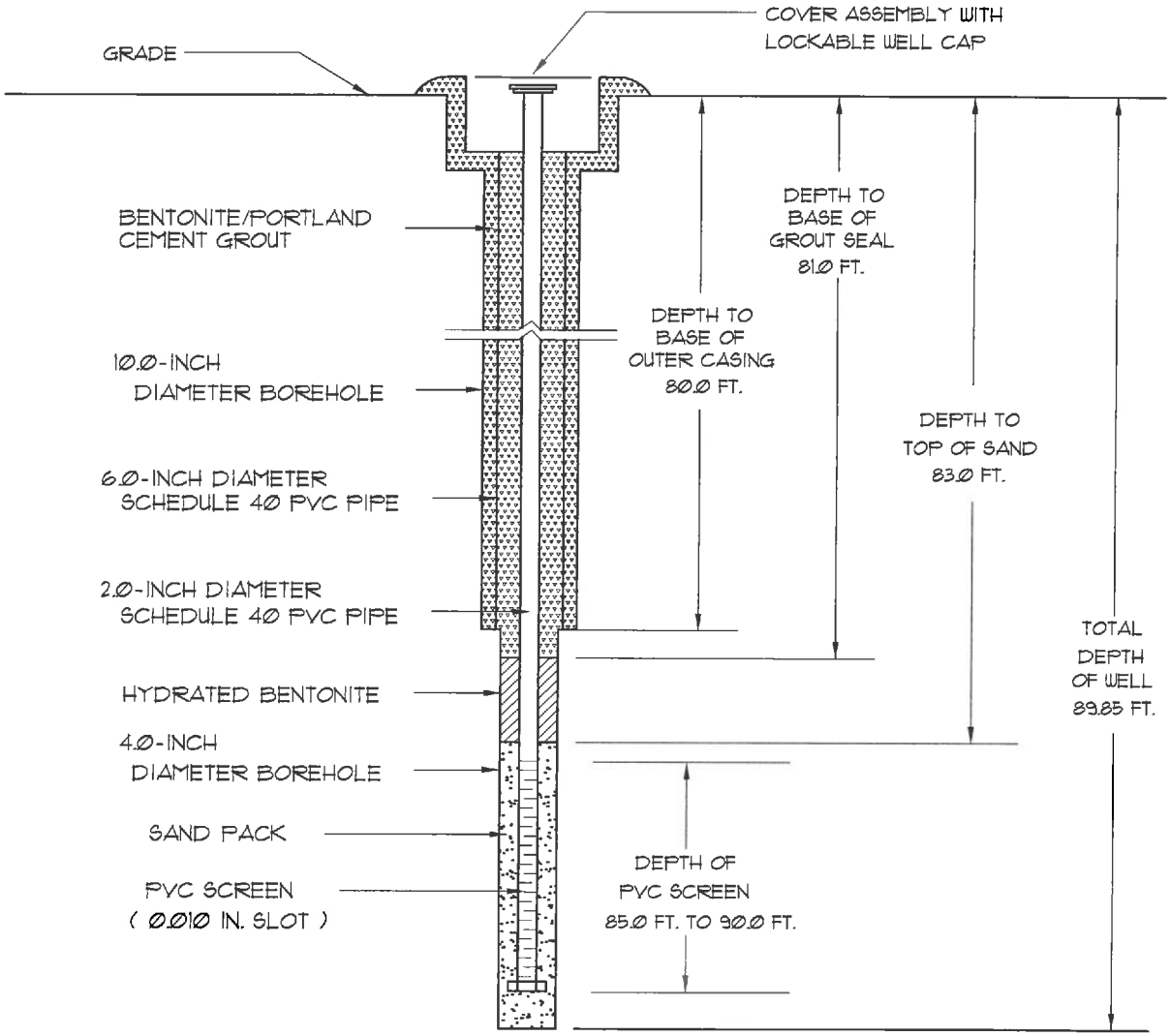
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW02
Date Drilled:	7/15/2022-7/16/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

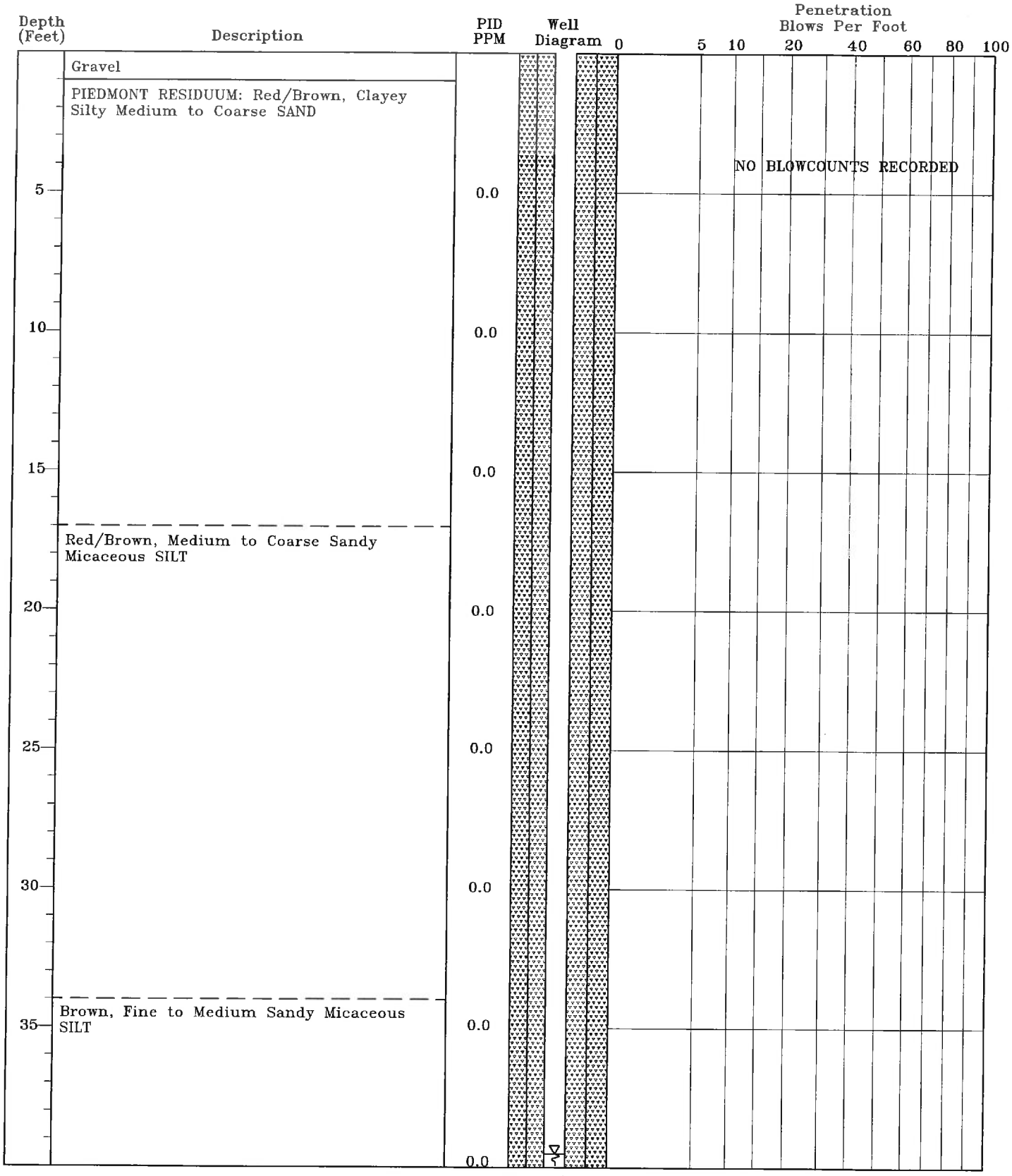
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DDW02
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

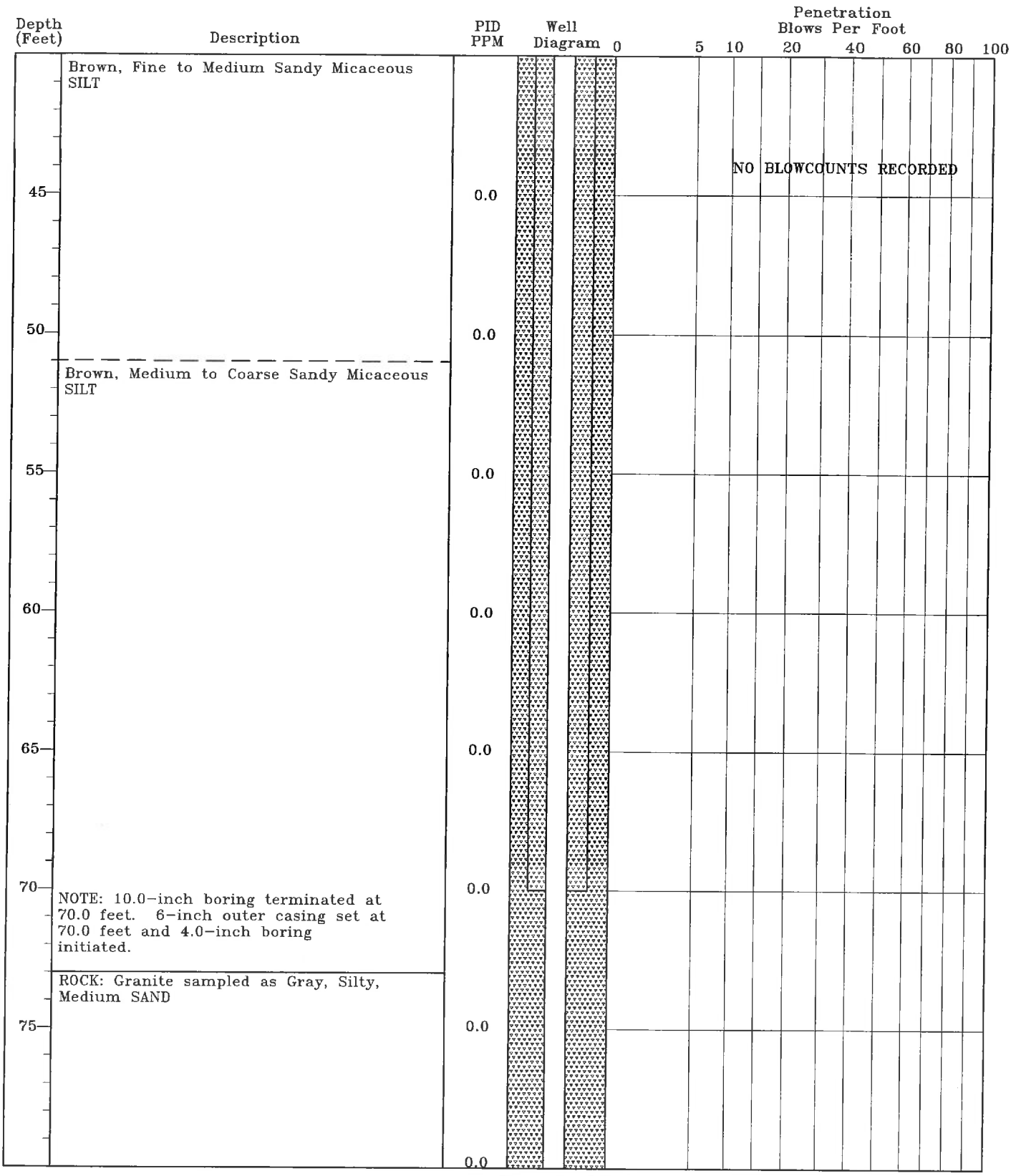
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW03
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

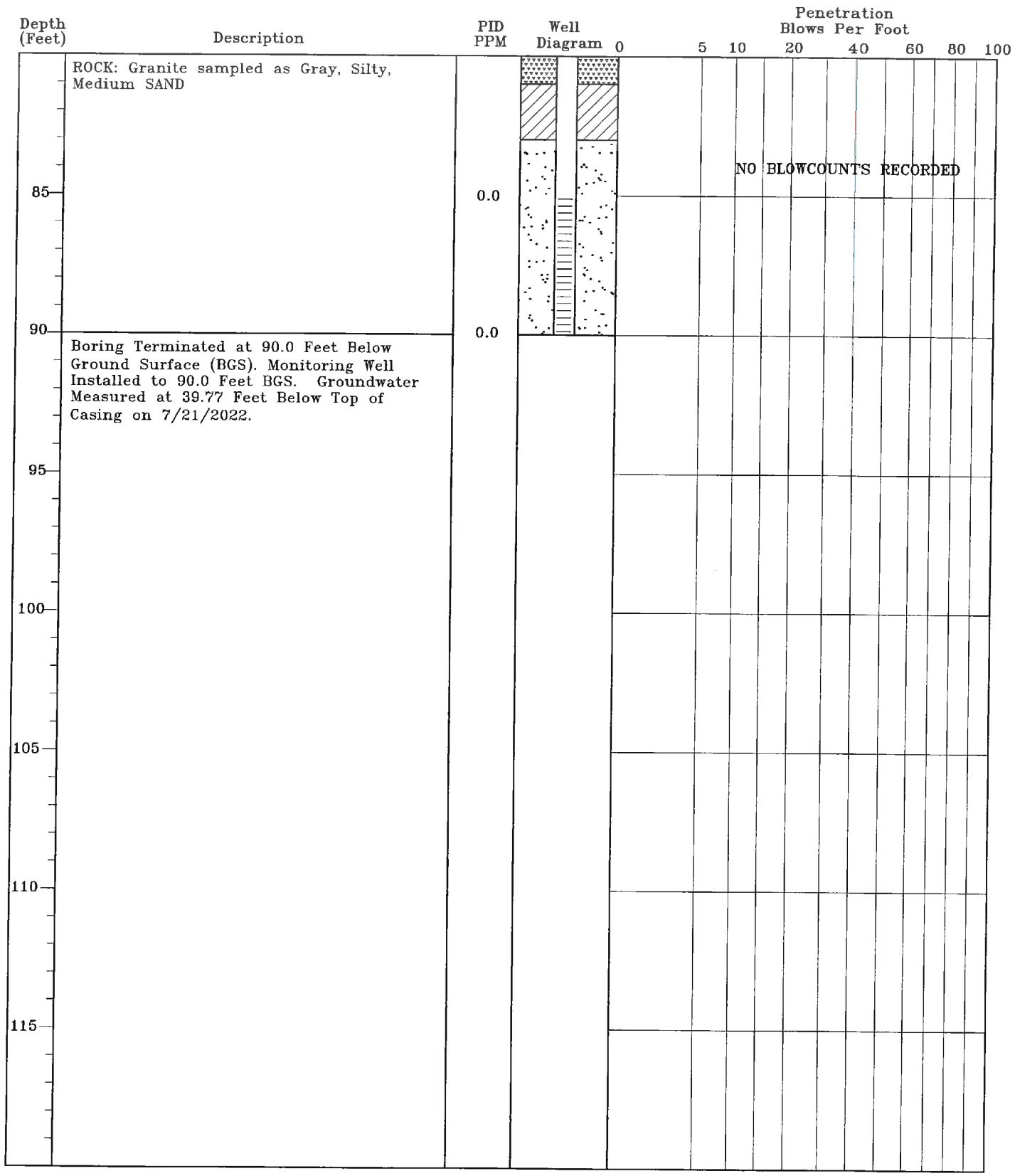
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW03
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



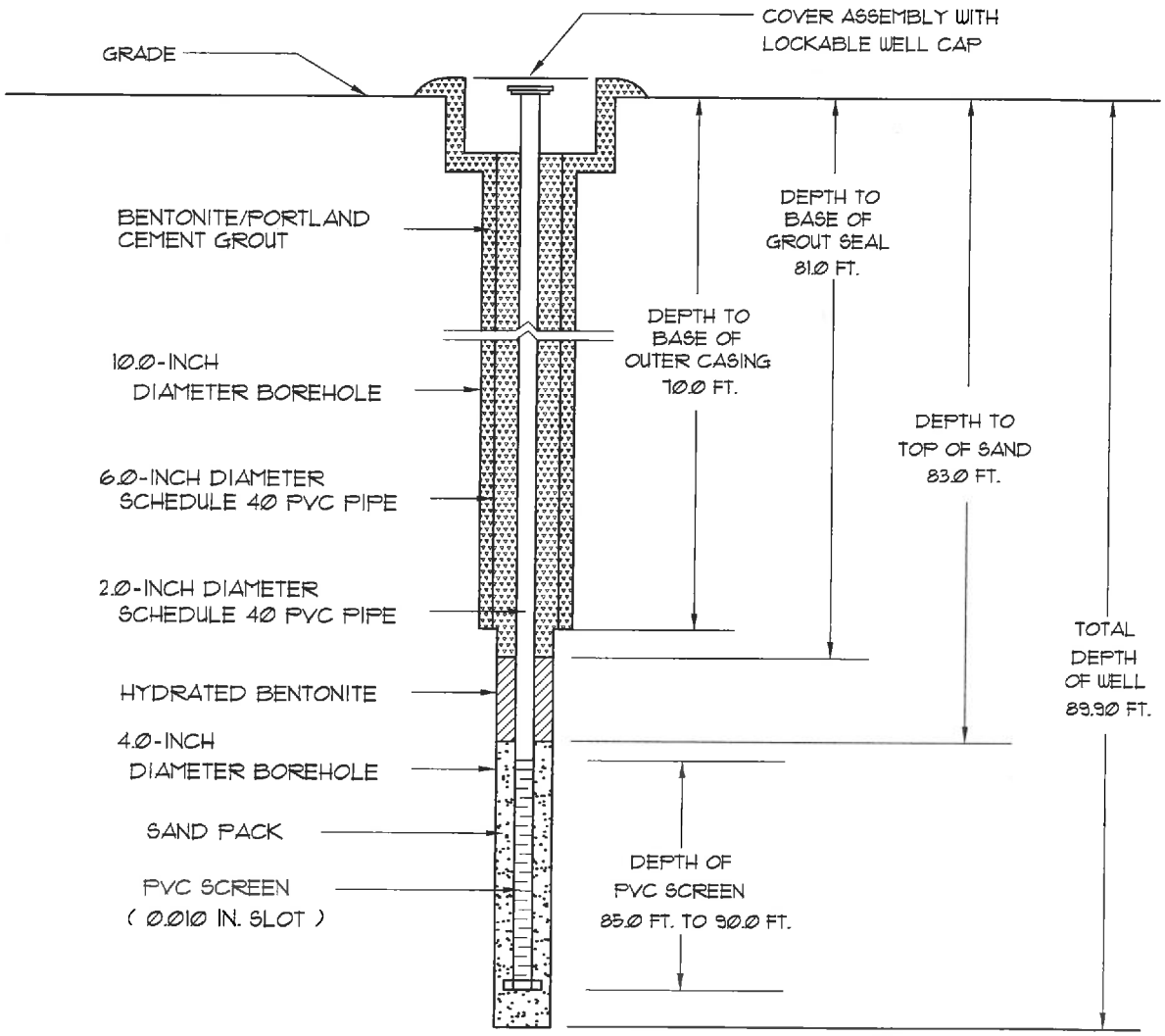
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW03
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

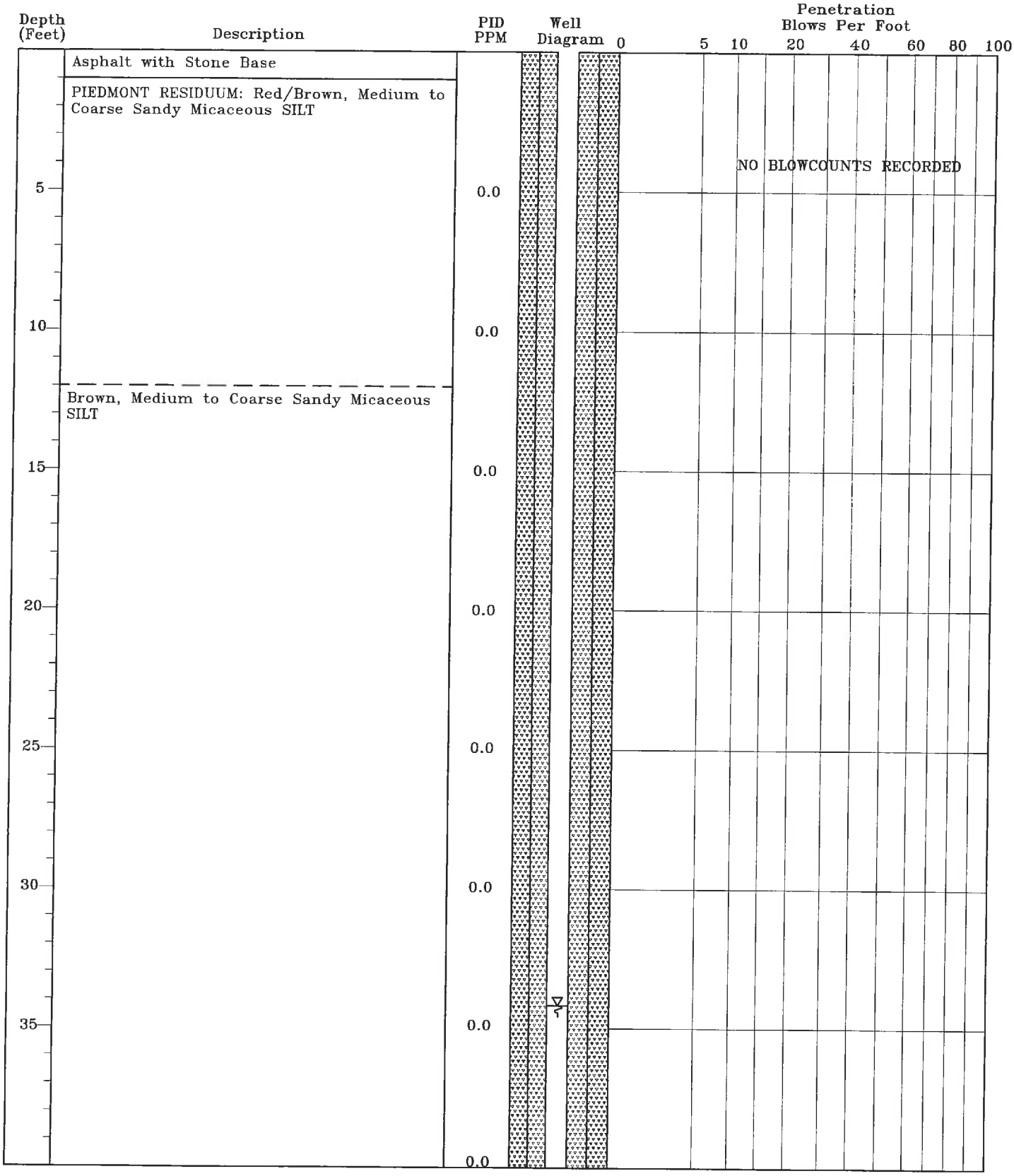
MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DDW03
Date Drilled:	7/13/2022-7/14/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

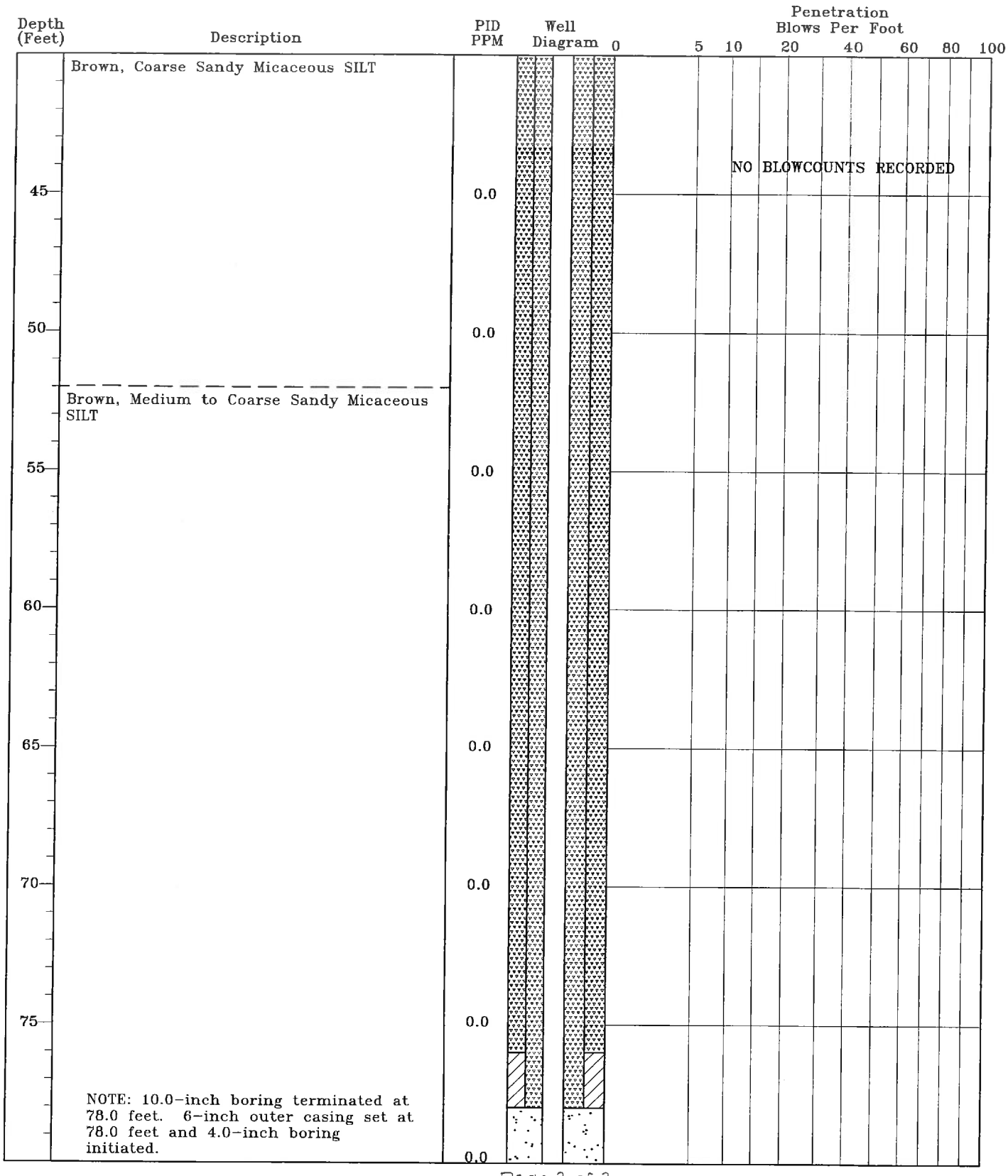
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW04
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

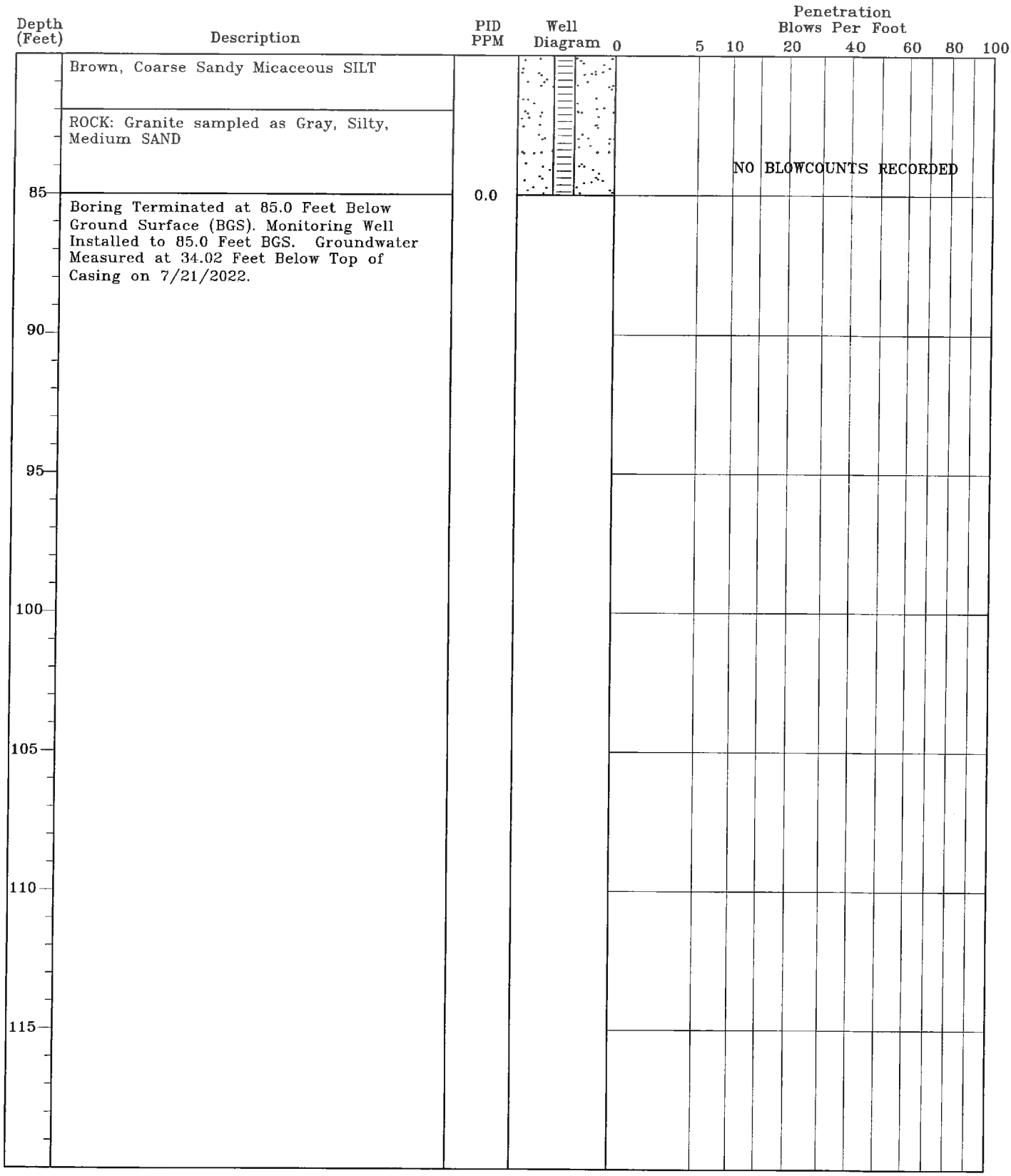
Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW04
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



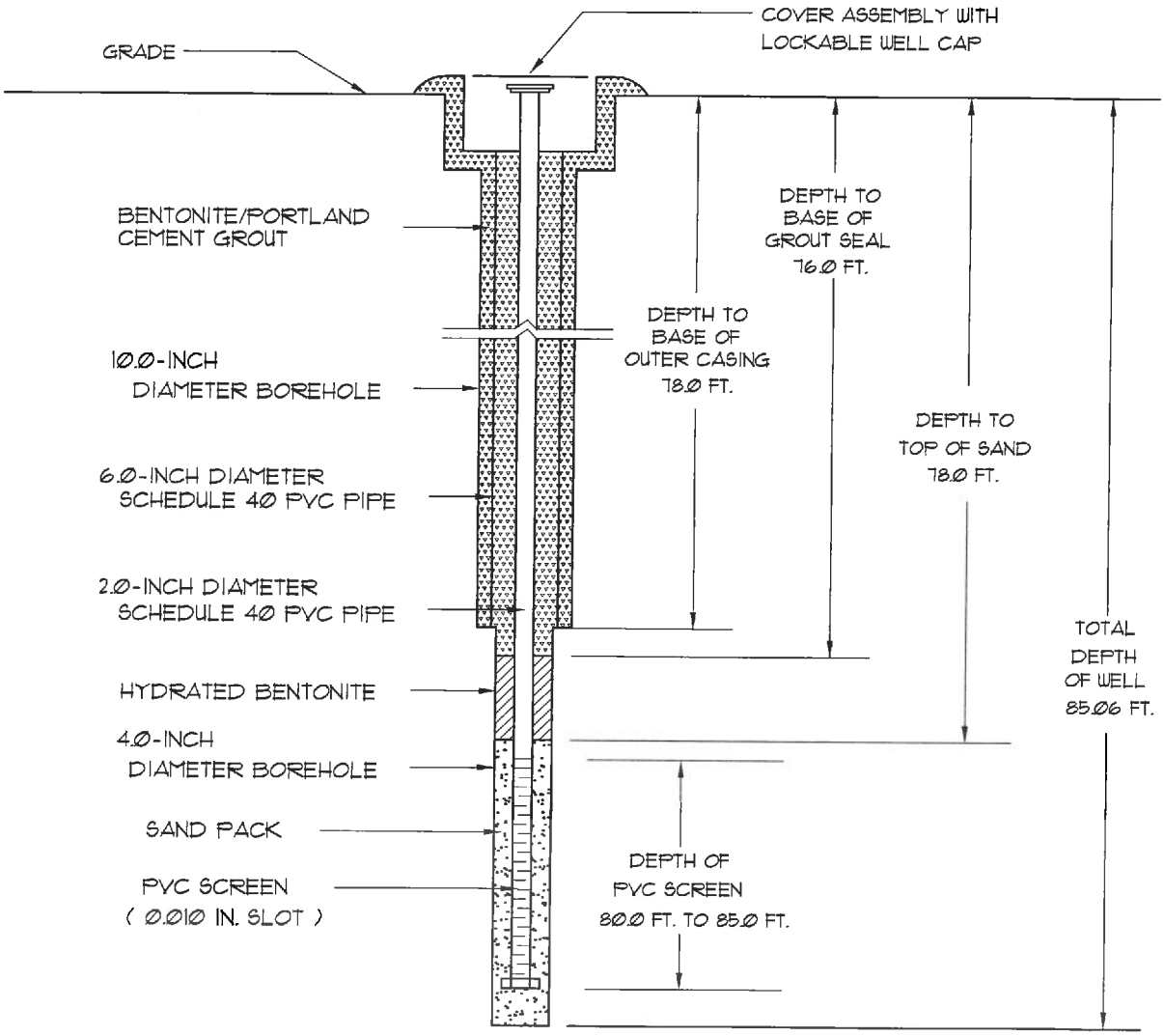
TEST BORING RECORD
UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631

Boring Number:	14324-DDW04
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

UST - Unknown 14324
Seneca, South Carolina
SCDHEC Site ID# 14324
MECI Project Number 21-7631



Well Number:	14324-DDW04
Date Drilled:	7/14/2022-7/15/2022
Drilled By:	EDPS, LLC.
Driller: T. Bolyard	S.C. I.D. #: B01846
Logged By:	T. Brown

Prepared By:
Midlands Environmental Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** MW-30

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-30
*Bentonite seal from 37.0' to 35.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 49.0 ft. Date Started: 5/10/2022 Date Completed: 5/10/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 39.0 ft. depth
_____ in. to _____ ft. depth
Height: Above /Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 10.0
Set Between: 39.0 ft. and 49.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL DRY ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 49.0 ft. to 37.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 35.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** MW-30

4. ABANDONMENT: ☑ Yes ☐ No
Grouted Depth: from 49.0 ft. to 0.0 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Well Abandoned By EDPS, LLC		
via Tremie Pipe with approximately		
8.17 Gallons of Portland-Bentonite		
Cement Slurry.		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-30

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started:
_____ ft. Date Completed:

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 49.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard **CERT. NO.:** 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/9/2022
Well Driller
If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6877823 Longitude: -82.9459488

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** MW-31

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-31
*Bentonite seal from 28.0' to 26.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 40.0 ft. Date Started: 7/13/2022 Date Completed: 7/13/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 30.0 ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 10.0
Set Between: 30.0 ft. and 40.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 39.08 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 40.0 ft. to 28.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 26.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard **CERT. NO.:** 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte, NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/9/2022
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6873723 Longitude: -82.9460660

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** MW-32

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-32
*Bentonite seal from 28.0' to 26.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 40.0 ft. Date Started: 7/13/2022 Date Completed: 7/13/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 30.0 ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 10.0
Set Between: 30.0 ft. and 40.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 35.33 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 40.0 ft. to 28.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 26.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Well Driller Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6877905 Longitude: -82.9459324

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DW-4

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DW-4
*Bentonite seal from 56.0' to 54.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 63.0 ft. Date Started: 7/13/2022 Date Completed: 7/14/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 58.0 ft. depth
6.0 in. to 55.0 ft. depth
Height: Above /Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 58.0 ft. and 63.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 40.62 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 63.0 ft. to 56.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 54.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6875997 Longitude: -82.9464709

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DW-5

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DW-5
*Bentonite seal from 57.0' to 55.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 64.0 ft. Date Started: 7/13/2022 Date Completed: 7/14/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 59.0 ft. depth
6.0 in. to 55.0 ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 59.0 ft. and 64.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 40.14 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 64.0 ft. to 57.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 55.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Date: 8/9/2022
Well Driller
If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6873532 Longitude: -82.9460571

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DW-6

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DW-6
*Bentonite seal from 58.0' to 56.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other - Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 65.0 ft. Date Started: 7/13/2022 Date Completed: 7/14/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 60.0 ft. depth
6.0 in. to 55.0 ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 60.0 ft. and 65.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 34.69 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 65.0 ft. to 58.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 56.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6880740 Longitude: -82.9464404

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DDW-1

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DDW-1
*Bentonite seal from 78.0' to 76.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 120.0 ft. Date Started: 5/10/2022 Date Completed: 5/11/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 80.0 ft. depth
6.0 in. to 54.0 ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 40.0
Set Between: 80.0 ft. and 120.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 60.82 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 120.0 ft. to 78.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 76.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard CERT. NO.: 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Well Driller Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6878009 Longitude: -82.9459131

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DDW-2

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DDW-2
*Bentonite seal from 83.0' to 81.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 90.0 ft. Date Started: 7/13/2022 Date Completed: 7/14/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 85.0 ft. depth
6.0 in. to 80.0 ft. depth
Height: Above /Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 85.0 ft. and 90.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 46.63 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 90.0 ft. to 83.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 81.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard **CERT. NO.:** 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6875937 Longitude: -82.9464935

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DDW-3

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DDW-3
*Bentonite seal from 83.0 to 81.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 90.0 ft. Date Started: 7/13/2022 Date Completed: 7/14/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 85.0 ft. depth
6.0 in. to 70.0 ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 85.0 ft. and 90.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 39.77 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 90.0 ft. to 83.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 81.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard **CERT. NO.:** 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Betty Lathem - Trustee (last) (first)
Address: 2 Stratton Place
City: Greenville State: SC Zip: 29615-4217
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Oconee
Name: UST - Unknown 14324
Street Address: 519 E North 1st Street
City: Seneca Zip: 29678-2821
Latitude: 34.6873318 Longitude: -82.9460480

3. PUBLIC SYSTEM NAME: 14324 **PUBLIC SYSTEM NUMBER:** DDW-4

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
DDW-4
*Bentonite seal from 78.0' to 76.0'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other -Auger

7. PERMIT NUMBER: UMW-28617

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 85.0 ft. Date Started: 7/14/2022 Date Completed: 7/15/2022

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 Inch
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 80.0 ft. depth
6.0 in. to 54.0 ft. depth
Height: Above /Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: Schedule 40 PVC Diam.: 2 Inch
Slot/Gauge: 0.010 Length: 5.0
Set Between: 80.0 ft. and 85.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 34.02 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 85.0 ft. to 78.0 ft.
Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 76.0 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe ___ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Tommy Bolyard **CERT. NO.:** 01846
Address: (Print) Level: A (B) C D (circle one)
17538 Greenhill Road
Charlotte. NC 28278
Telephone No.: 704-607-7529 Fax No.: 803-548-2233

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ (Well Driller) Date: 8/9/2022

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ✓ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ✓ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW-30 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) DRY ft. Screen Length/Slot Size 10 ft./ 0.010 in.

Total Well Depth (TWD) 49.21 ft. Screen Interval 39.0 ft. to 49.0 ft.

Length of water column (LWC=TWD-DGW) DRY ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: N/A gals. Drilling Fluids recovered N/A gals.

Time (military)	DRY						
pH (s.u.)*	DRY						
Specific Conductivity (mmhos/cm)*	DRY						
Water Temperature (C)*	DRY						
Turbidity (NTU) *	DRY						
Physical Characteristics (color/odor)	DRY						
Water Level Measurement (ft) from TOC	DRY						
Total Well Depth (ft) from TOC	DRY						
Cumulative Gallons Removed	0 gals	gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was gauged dry during development.

Driller Signature: [signature] Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW-31 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 39.08 ft. Screen Length/Slot Size 10 ft./ 0.010 in.

Total Well Depth (TWD) 40.18 ft. Screen Interval 30.0 ft. to 40.0 ft.

Length of water column (LWC=TWD-DGW) 1.10 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 2 gals. Drilling Fluids recovered N/A gals.

Time (military)	11:39	11:41	11:44	11:48	11:51		
pH (s.u.)*	8.50	6.70	6.13	5.52	5.45		
Specific Conductivity (mmhos/cm)*	112.7	54.1	34.7	36.2	35.6		
Water Temperature (C)*	18.6	18.7	18.6	18.6	18.5		
Turbidity (NTU) *	226.8	184.1	138.6	40.79	8.25		
Physical Characteristics (color/odor)	Brown/None	Brown/None	LBrow/None	LBrow/None	Clear/None		
Water Level Measurement (ft) from TOC	39.08	39.37	39.68	39.92	40.05		
Total Well Depth (ft) from TOC	39.56	39.81	40.01	40.10	40.18		
Cumulative Gallons Removed	0 gals	0.5 gals	1.0 gals	1.5 gals	2.0 gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 2 gallons were removed.

Driller Signature: Tommy Bolyard Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW-32 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 35.33 ft. Screen Length/Slot Size 10 ft./ 0.010 in.

Total Well Depth (TWD) 40.28 ft. Screen Interval 30.0 ft. to 40.0 ft.

Length of water column (LWC=TWD-DGW) 4.95 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 7 gals. Drilling Fluids recovered N/A gals.

Time (military)	13:25	13:29	13:33	13:36			
pH (s.u.)*	6.45	5.46	4.89	4.67			
Specific Conductivity (mmhos/cm)*	58.5	51.3	47.8	45.3			
Water Temperature (C)*	20.7	20.4	20.1	20.0			
Turbidity (NTU) *	51.37	17.26	8.62	8.59			
Physical Characteristics (color/odor)	Brown/None	LBrow/None	ClearNone	LBrow/None			
Water Level Measurement (ft) from TOC	35.33	36.61	37.40	38.45			
Total Well Depth (ft) from TOC	38.88	39.02	39.85	40.28			
Cumulative Gallons Removed	0 gals	2 gals	4 gals	7 gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 7 gallons were removed.

Driller Signature: Tommy Bolyard Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DW-4 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 40.62 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 62.50 ft. Screen Interval 58.0 ft. to 63.0 ft.

Length of water column (LWC=TWD-DGW) 21.88 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 6 gals. Drilling Fluids recovered N/A gals.

Time (military)	11:48	11:53	11:59				
pH (s.u.)*	6.25	7.60	7.27				
Specific Conductivity (mmhos/cm)*	299.3	225.6	204.6				
Water Temperature (C)*	19.8	19.5	19.3				
Turbidity (NTU) *	307.4	22.48	8.41				
Physical Characteristics (color/odor)	Brow/SlOd	Clear/None	ClearSlOd				
Water Level Measurement (ft) from TOC	40.62	45.87	47.60				
Total Well Depth (ft) from TOC	61.97	62.33	62.50				
Cumulative Gallons Removed	0 gals	3 gals	6 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 6 gallons were removed.

Driller Signature: [signature] Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DW-5 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 40.14 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 63.90 ft. Screen Interval 59.0 ft. to 64.0 ft.

Length of water column (LWC=TWD-DGW) 23.76 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 9 gals. Drilling Fluids recovered N/A gals.

Time (military)	12:18	12:22	12:26	12:30			
pH (s.u.)*	7.57	7.46	6.95	6.83			
Specific Conductivity (mmhos/cm)*	145.9	124.4	79.3	75.3			
Water Temperature (C)*	19.1	18.3	18.8	18.2			
Turbidity (NTU) *	48.61	37.10	17.42	9.80			
Physical Characteristics (color/odor)	LBrow/None	LBrow/None	Clear/None	Clear/None			
Water Level Measurement (ft) from TOC	40.14	41.16	42.07	43.05			
Total Well Depth (ft) from TOC	62.41	62.69	63.65	63.90			
Cumulative Gallons Removed	0 gals	3 gals	6 gals	9 gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 9 gallons were removed.

Driller Signature: Tommy Bolyard Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DW-6 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 34.69 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 65.38 ft. Screen Interval 60.0 ft. to 65.0 ft.

Length of water column (LWC=TWD-DGW) 30.69 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 10 gals. Drilling Fluids recovered N/A gals.

Time (military)	13:03	13:13	13:17				
pH (s.u.)*	6.37	6.04	5.88				
Specific Conductivity (mmhos/cm)*	144.3	149.7	137.4				
Water Temperature (C)*	20.9	20.8	20.3				
Turbidity (NTU) *	37.23	41.26	7.40				
Physical Characteristics (color/odor)	LBrow/SlOd	LBrow/SlOd	Clear/SlOd				
Water Level Measurement (ft) from TOC	34.69	36.32	38.20				
Total Well Depth (ft) from TOC	64.58	64.91	65.38				
Cumulative Gallons Removed	0 gals	4 gals	10 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 10 gallons were removed.

Driller Signature: Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DDW-1 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 60.82 ft. Screen Length/Slot Size 40 ft./ 0.010 in.

Total Well Depth (TWD) 123.10 ft. Screen Interval 80.0 ft. to 120.0 ft.

Length of water column (LWC=TWD-DGW) 62.28 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 15 gals. Drilling Fluids recovered N/A gals.

Time (military)	10:56	11:02	11:08	11:14	11:23		
pH (s.u.)*	6.77	7.66	7.67	7.77	7.65		
Specific Conductivity (mmhos/cm)*	195.9	194.0	187.6	189.4	177.8		
Water Temperature (C)*	18.2	18.0	16.6	16.3	16.2		
Turbidity (NTU) *	15.96	14.93	13.82	13.64	9.25		
Physical Characteristics (color/odor)	Clear/None	Clear/None	Clear/None	Clear/None	Clear/None		
Water Level Measurement (ft) from TOC	60.82	65.15	69.54	73.68	81.90		
Total Well Depth (ft) from TOC	122.36	122.58	122.84	123.07	123.10		
Cumulative Gallons Removed	0 gals	3 gals	6 gals	9 gals	15 gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 15 gallons were removed. The well has a stick up vault that is 3.49 feet above ground surface.

Driller Signature: [signature] Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DDW-2 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 46.63 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 89.85 ft. Screen Interval 85.0 ft. to 90.0 ft.

Length of water column (LWC=TWD-DGW) 43.22 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 4 gals. Drilling Fluids recovered N/A gals.

Time (military)	11:33	11:37	11:44				
pH (s.u.)*	9.36	9.46	9.48				
Specific Conductivity (mmhos/cm)*	254.3	289.3	284.0				
Water Temperature (C)*	21.1	18.9	18.8				
Turbidity (NTU) *	17.84	16.72	9.83				
Physical Characteristics (color/odor)	Clear/None	Clear/None	Clear/None				
Water Level Measurement (ft) from TOC	46.63	65.22	70.41				
Total Well Depth (ft) from TOC	87.98	89.45	89.85				
Cumulative Gallons Removed	0 gals	2 gals	4 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 4 gallons were removed.

Driller Signature: Tommy Bolyard Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DDW-3 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 39.77 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 89.90 ft. Screen Interval 85.0 ft. to 90.0 ft.

Length of water column (LWC=TWD-DGW) 49.63 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 8 gals. Drilling Fluids recovered N/A gals.

Time (military)	12:04	12:09	12:15				
pH (s.u.)*	7.86	7.83	7.59				
Specific Conductivity (mmhos/cm)*	226.6	134.1	184.5				
Water Temperature (C)*	18.8	19.8	18.9				
Turbidity (NTU) *	68.72	14.74	8.39				
Physical Characteristics (color/odor)	White/None	Clear/None	Clear/None				
Water Level Measurement (ft) from TOC	39.77	47.74	55.26				
Total Well Depth (ft) from TOC	88.78	89.26	89.40				
Cumulative Gallons Removed	0 gals	4 gals	8 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 4 gallons were removed.

Driller Signature: [signature] Date: 8/10/2022

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: UST - Unknown 14324 Site ID#: 14324

Date: 7/21/2022 Field Personnel: T. Brown, T. Bolyard

Drilling Company: EDPS Driller's Name: Tommy Bolyard

Driller's Certification Number: B 01846 Weather Conditions: Cloudy,

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter		Turbidity meter	
serial no.	15E101481	serial no.	15E101481	serial no.	14H103098	serial no.	201301174
pH=4.0	X	standard	X			NTU=0.0	X
pH=7.0	X					NTU=1.0	X
pH=10.0	X					NTU=10.0	X

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ○ Direct Push ○

Air Rotary ⊘ Mud Rotary ○ Sonic ○

Monitoring Well ID# DDW-4 Well Casing Diameter 2 inches Borehole Diameter 7.5 inches

Depth to Ground Water (DGW) 34.02 ft. Screen Length/Slot Size 5 ft./ 0.010 in.

Total Well Depth (TWD) 85.06 ft. Screen Interval 80.0 ft. to 85.0 ft.

Length of water column (LWC=TWD-DGW) 51.04 ft. Type of Drilling Fluids used: N/A

Total Gallons of Water Removed: 20 gals. Drilling Fluids recovered N/A gals.

Time (military)	12:38	12:43	12:47	12:52	13:00		
pH (s.u.)*	8.66	8.92	8.03	7.55	7.05		
Specific Conductivity (mmhos/cm)*	344.8	332.1	236.0	237.0	228.6		
Water Temperature (C)*	26.8	20.6	20.0	19.0	20.0		
Turbidity (NTU) *	12.39	28.34	21.26	18.67	9.84		
Physical Characteristics (color/odor)	Clear/None	LBrow/None	LBrow/None	LBrow/None	Clear/None		
Water Level Measurement (ft) from TOC	34.02	34.52	35.07	35.61	36.20		
Total Well Depth (ft) from TOC	81.94	82.53	83.00	83.59	84.06		
Cumulative Gallons Removed	0 gals	4 gals	8 gals	12 gals	20 gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20 gallons were removed.

Driller Signature: Tommy Bolyard Date: 8/10/2022

APPENDIX F:

AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS

Summary of Slug Test
Underground Storage Tank Management Division

Site Data

SITE ID #: 14324 COUNTY: Oconee

FACILITY NAME: UST-Unknown 14324 Date Performed: 8/2/2022-8/3/2022

SLUG DATA

See Appendix F Table 3 Figure _____ for a list of all data measurements.
(water level logs, etc.)(Complete as appropriate).

Water Level Recovery Data was measured by Level Troll 500 .
(Hermit Data Logger, Manually with Water Level Indicator, etc.)(List Method)

Complete the following table for each well tested.
COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number	14324-MW19R	14324-MW32		
Time Performed (military)	11:27	14:10		
Static Water Level (feet)	32.73	34.55		
Initial Rise/Drawdown in well (+/-feet)	0.968	0.567		
Radius of well casing (feet)	0.083	0.083		
Effective Radius of Well (feet)	0.33	0.33		
Static Saturated Aquifer Thickness (feet)	7.27	5.45		
Length of Well Screen (feet)	10	10		

Calculations

See Appendix F Table 3 Figure _____ for calculations

The method for aquifer calculations was Bouwer-Rice

The aquifer is _____ confined _____ semi-confined X water table (Check as Appropriate).

A hydraulic gradient of 2.74E-02 ft./ft. ("Shallow")

Calculated values by well were as follows:

Slug Test Conducted in Well(s) number	14324-MW19R	14324-MW32		Mathmatical Mean
Thickness of Aquifer (feet)	7.27	5.45		N/A
Hydraulic Conductivity (cm/sec)	1.08E-05	1.10E-05		1.09E-05
Hydraulic Conductivity (ft/day)	3.07E-02	3.13E-02		3.10E-02
Hydraulic Conductivity (feet/year)	1.12E+01	1.14E+01		1.13E+01
Effective Porosity (%)	32.00%	32.00%		32.00%
Soil Type (i.e. silty sand, clay, etc.)	Medium SAND	Medium SAND		N/A
Seepage Velocity (feet/day)	2.62E-03	2.68E-03		2.65E-03
Seepage Velocity (feet/year)	0.96	0.98		0.97

DHEC 3531 (04/2015

Summary of Slug Test
Underground Storage Tank Management Division

Site Data

SITE ID #: 14324 COUNTY: Oconee

FACILITY NAME: UST-Unknown 14324 Date Performed: 8/2/2022-8/3/2022

SLUG DATA

See Appendix F Table 3 Figure _____ for a list of all data measurements.
(water level logs, etc.)(Complete as appropriate).
Water Level Recovery Data was measured by Level Troll 500 .
(Hermit Data Logger, Manually with Water Level Indicator, etc.)(List Method)
Complete the following table for each well tested.
COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number	14324-DW04	14324-DW06		
Time Performed (military)	12:33	12:56		
Static Water Level (feet)	40.42	34.58		
Initial Rise/Drawdown in well (+/-feet)	1.904	2.054		
Radius of well casing (feet)	0.083	0.083		
Effective Radius of Well (feet)	0.33	0.33		
Static Saturated Aquifer Thickness (feet)	22.58	30.42		
Length of Well Screen (feet)	5	5		

Calculations

See Appendix F Table 3 Figure _____ for calculations

The method for aquifer calculations was Bouwer-Rice

The aquifer is _____ confined X unconfined _____ water table (Check as Appropriate).

A hydraulic gradient of 2.66E-02 ft./ft. ("Intermediate")

Calculated values by well were as follows:

Slug Test Conducted in Well(s) number	14324-DW04	14324-DW06			Mathmatical Mean
Thickness of Aquifer (feet)	22.58	30.42			N/A
Hydraulic Conductivity (cm/sec)	7.58E-06	2.42E-05			1.59E-05
Hydraulic Conductivity (ft/day)	2.15E-02	6.85E-02			4.50E-02
Hydraulic Conductivity (feet/year)	7.85E+00	2.50E+01			1.64E+01
Effective Porosity (%)	32.00%	32.00%			32.00%
Soil Type (i.e. silty sand, clay, etc.)	Medium SAND	Medium SAND			N/A
Seepage Velocity (feet/day)	1.79E-03	5.69E-03			3.74E-03
Seepage Velocity (feet/year)	0.65	2.08			1.37

DHEC 3531 (04/2015

Summary of Slug Test
Underground Storage Tank Management Division

Site Data

SITE ID #: 04582 COUNTY: Simpsonville

FACILITY NAME: Southern Convenience 321 Date Performed: 7/13/2021-7/16/2021

SLUG DATA

See Appendix F Table _____ Figure _____ for a list of all data measurements.
(water level logs, etc.)(Complete as appropriate).
Water Level Recovery Data was measured by Level Troll 500 .
(Hermit Data Logger, Manually with Water Level Indicator, etc.)(List Method)
Complete the following table for each well tested.
COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number	14324-DDW03	14324-DDW04		
Time Performed (military)	14:20	11:52		
Static Water Level (feet)	40.02	34.23		
Initial Rise/Drawdown in well (+/-feet)	2.030	1.966		
Radius of well casing (feet)	0.083	0.083		
Effective Radius of Well (feet)	0.33	0.33		
Static Saturated Aquifer Thickness (feet)	49.98	50.77		
Length of Well Screen (feet)	5	5		

Calculations

See Appendix F Table 3 Figure _____ for calculations

The method for aquifer calculations was Bouwer-Rice

The aquifer is X confined _____ semi-confined _____ water table (Check as Appropriate).

A hydraulic gradient of 1.42E-01 ft./ft. ("Deep")

Calculated values by well were as follows:

Slug Test Conducted in Well(s) number	14324-DDW03	14324-DDW04			Mathmatical Mean
Thickness of Aquifer (feet)	49.98	50.77			N/A
Hydraulic Conductivity (cm/sec)	1.13E-05	8.96E-06			1.01E-05
Hydraulic Conductivity (ft/day)	3.19E-02	2.54E-02			2.87E-02
Hydraulic Conductivity (feet/year)	1.17E+01	9.27E+00			1.05E+01
Effective Porosity (%)	32.00%	32.00%			32.00%
Soil Type (i.e. silty sand, clay, etc.)	Medium SAND	Medium SAND			N/A
Seepage Velocity (feet/day)	1.41E-02	1.12E-02			1.27E-02
Seepage Velocity (feet/year)	5.16	4.10			4.63

DHEC 3531 (04/2015

Schnabel ENGINEERING

104 Corporate Boulevard, Suite 420
West Columbia, SC 29169
T/ 803-796-6240
F/ 803-796-6250

TRANSMITTAL

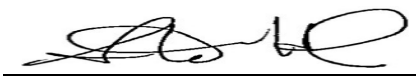
TO:	Jeff Coleman, Kyle Pudney, Colin Phillips	**DATE:**	8/11/22
COMPANY:	Midlands Environmental Services	**SUBJECT:**	Lab Results
ADDRESS:	235 Dooley Rd. Lexington, SC 29073	**PROJECT NAME/NO.:**	Midlands Environmental Services Lab Testing Schnabel Reference Number: 21C19040.00.32-34 UST 14324 Unknown
FROM:	Stephen Hahn	**CC:**	

COPIES	DATE	NO.	DESCRIPTION
1	--	3	Grain Size Lab results

☒ AS REQUESTED ☐ FOR APPROVAL ☐ PLEASE REPLY ☐ FOR YOUR USE

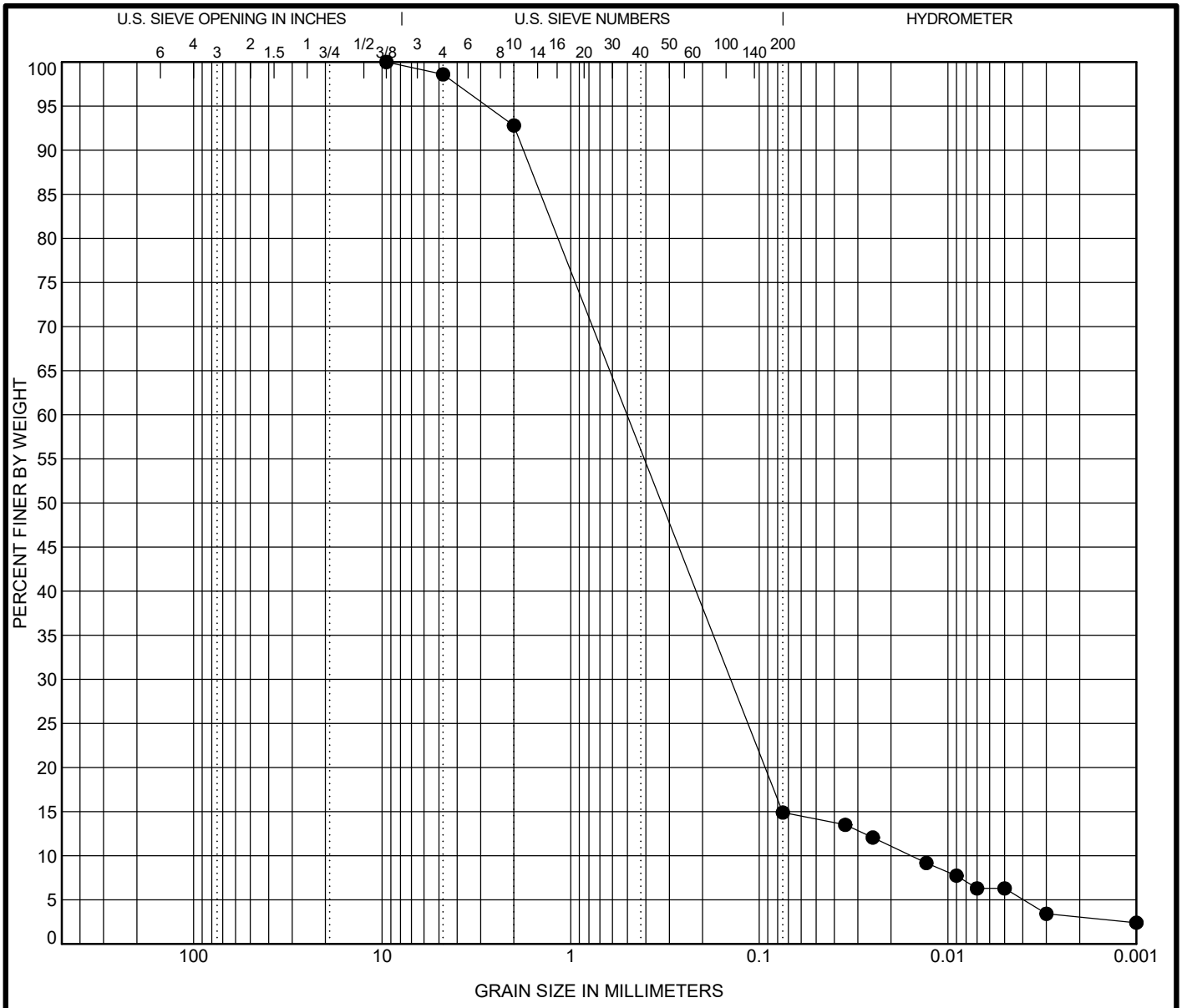
Attached, please find our lab results for sample(s) for UST 14324 Unknown.

Please advise if you have any questions.

SIGNED: 

Stephen Hahn

SENT VIA: ☐ First Class Mail ☐ Overnight Service ☒ Email ☐ Other



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen	Sample Description	LL	PL	PI	Test Method
● DW-5 60.0 - 65.0 ft	**SILTY SAND (SM), brown**	--	--	--	Atterberg ASTM D4318

Test Method	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
ASTM D7928	**9.5**	**0.502**	**0.142**	**0.016**	**1.4**	**83.7**	**11.9**	**3.0**

Percent Finer

Sieve Size	200	10	4	3/8"
% Finer	14.9	92.8	98.6	100.0

Tested By	Tested Date	Reviewed by	Calc by
MDE	8/9/22	SRH	MDE

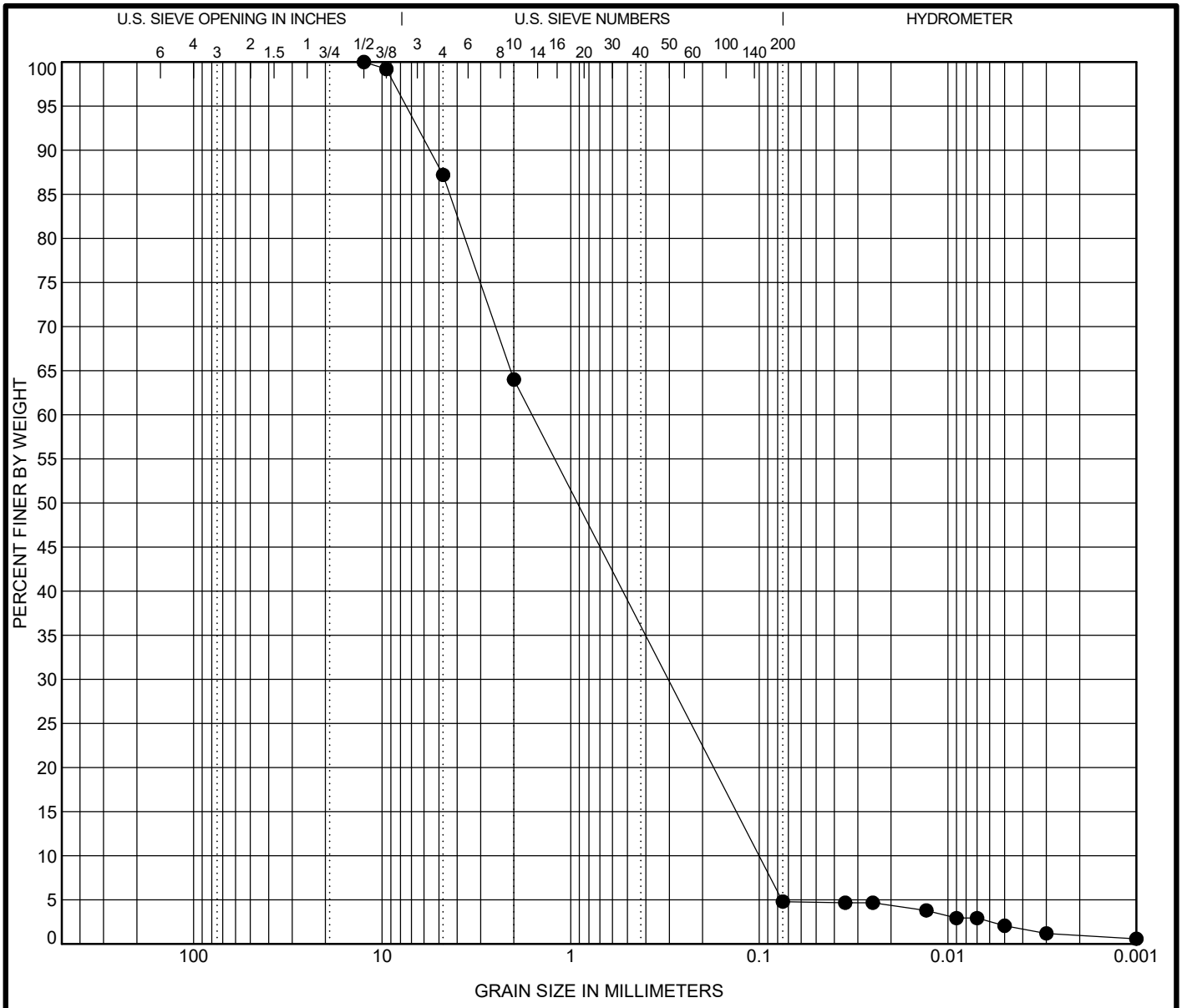
Schnabel ENGINEERING

GRADATION CURVE

Project: Midlands Environmental Services
UST 14324 Unknown
SC

Contract: 21C19040.00.32-34

SIEVE 1/SHEET 21C19040.00 GINT.GPJ TEST TEMPLATE.GDT 8/11/22



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen		Sample Description	LL	PL	PI	Test Method
● DDW-4	85.0 - 90.0 ft	**POORLY GRADED SAND (SP), trace gravel, brown**	--	--	--	Atterberg ASTM D4318

Test Method	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
ASTM D7928	**12.5**	**1.602**	**0.303**	**0.1**	**12.8**	**82.4**	**3.8**	**1.0**

Percent Finer

Sieve Size	200	10	4	3/8"	1/2"
% Finer	04.8	64.0	87.2	99.2	100.0

Tested By	Tested Date	Reviewed by	Calc by
MDE	8/9/22	SRH	MDE

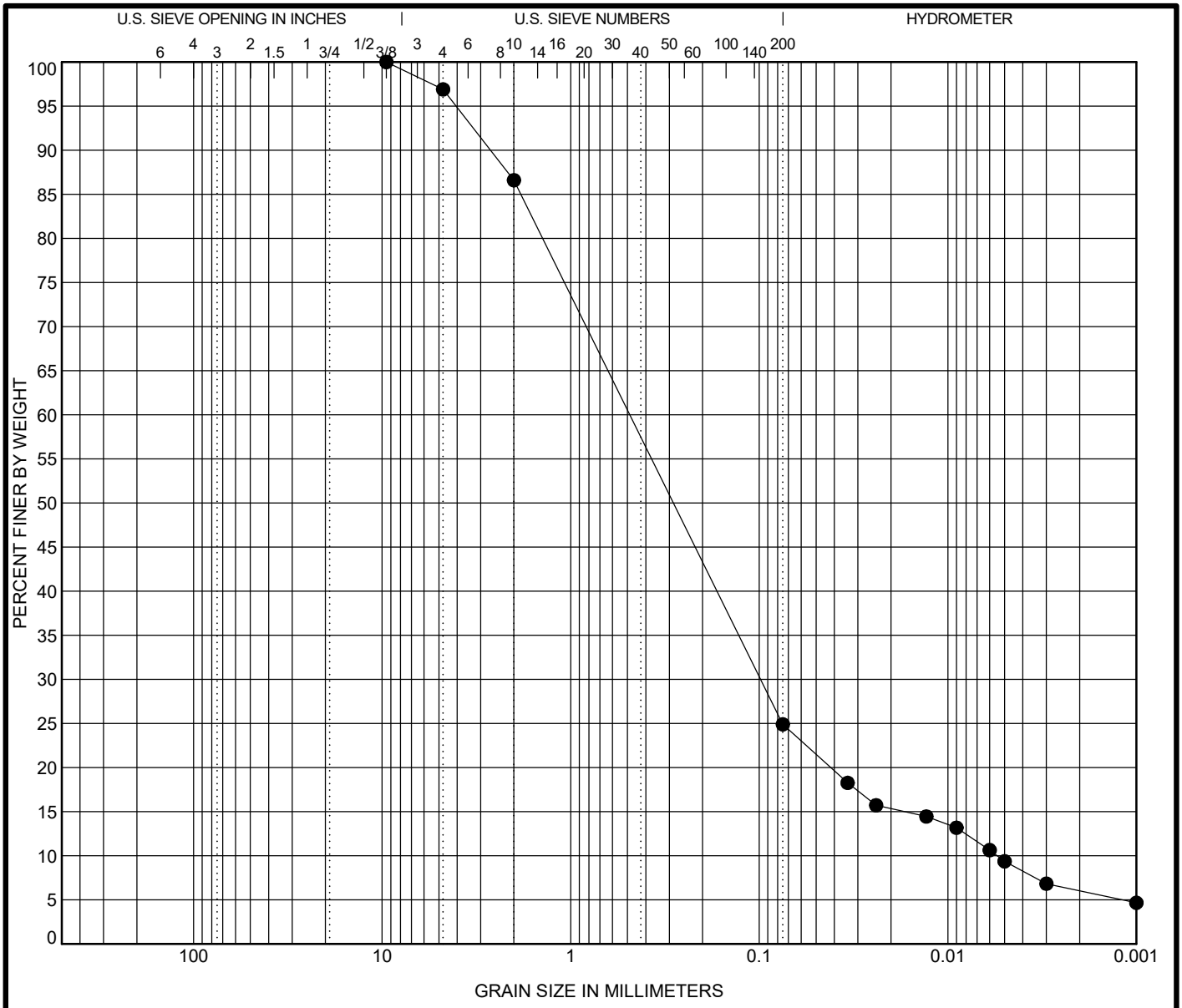
Schnabel ENGINEERING

GRADATION CURVE

Project: Midlands Environmental Services
UST 14324 Unknown
SC

Contract: 21C19040.00.32-34

SIEVE 1/SHEET 21C19040.00 GINT.GPJ TEST TEMPLATE.GDT 8/11/22



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen		Sample Description	LL	PL	PI	Test Method
● MW-32	35.0 - 40.0 ft	**SILTY SAND (SM), reddish brown**	--	--	--	Atterberg ASTM D4318

Test Method	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
ASTM D7928	**9.5**	**0.486**	**0.098**	**0.005**	**3.1**	**72.0**	**18.9**	**6.0**

Percent Finer

Sieve Size	200	10	4	3/8"
% Finer	24.9	86.6	96.9	100.0

Tested By	Tested Date	Reviewed by	Calc by
MDE	8/9/22	SRH	MDE

Schnabel ENGINEERING

GRADATION CURVE

Project: Midlands Environmental Services
UST 14324 Unknown
SC

Contract: 21C19040.00.32-34

SIEVE 1/SHEET 21C19040.00 GINT.GPJ TEST TEMPLATE.GDT 8/11/22

21C19040.00.32-34

Schnabel ENGINEERING

CHAIN OF CUSTODY RECORD

Schnabel Engineering, LLC
104 Corporate Blvd. Suite 420
West Columbia, SC 29169
Phone: 803-796-6240 Fax: 803-796-6250

Page of

File No.: 21C19040.00
Project Name: UST Unknown UST 14324
Contact: Stephen Hahn
Laboratory: Schnabel Engineering
Address:
Project Manager:
Delivery Date:
Turnaround:
Delivery Date:

Sample No.	Date	Time	Depth	Type	Container Size	No. of Containers	Analysis Requested	Preservatives	Comments - (special instructions, precautions, additional method numbers, etc.)
AW-5	8-2-22	10:30	60-65	SC	4 oz	1	Grain Size/Hydrometer	N/A	32
DDW-4	8-2-22	10:45	85-90	SC	4 oz	1	Grain Size/Hydrometer	N/A	33
MW-32	8-2-22	11:00	35-40	SC	4 oz	1	Grain Size/Hydrometer	N/A	34

Sampled and Relinquished by
Sign
Print Colin Phillips
Firm MEC
Date 8/3/22 Time 12:05

Received by
Sign Arlene Wargo
Print Arlene Wargo
Firm Schnabel Engineering, LLC
Date 8/3/22 Time 12:05

Relinquished by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date Time

Relinquished by
Sign
Print
Firm
Date Time

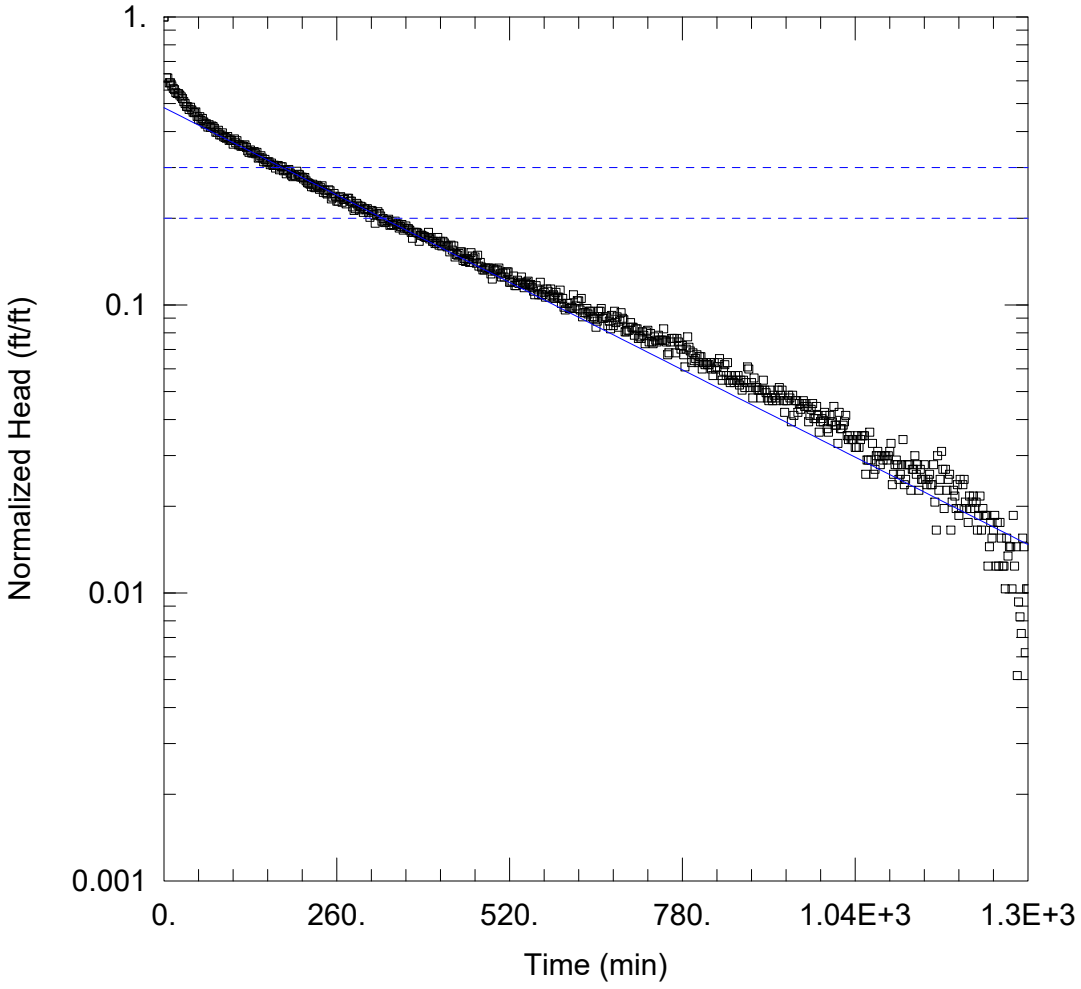
Received by
Sign
Print
Firm
Date Time

PRESERVATION KEY

A	Sample chilled
B	Sample filtered
C	NaOH
D	HNO_3
E	H_2SO_4
F	HCL
G	Methanol
H	Sodium Bisulfate
I	

Sampling Comments

Evidence samples were tamperd with? YES NO
If YES, please explain in section below.



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\MW-19R.aqt
Date: 08/23/22 Time: 14:49:21

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: MW-19R
Test Date: 8/3/2022

AQUIFER DATA

Saturated Thickness: 7.27 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-19R)

Initial Displacement: 0.968 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.27 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.28

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.082E-5 cm/sec
y0 = 0.4685 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\MW-19R.aqt
Date: 08/23/22
Time: 14:49:57

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/3/2022
Test Well: MW-19R

AQUIFER DATA

Saturated Thickness: 7.27 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-19R

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 0.968 ft
Static Water Column Height: 7.27 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 10. ft
Total Well Penetration Depth: 40. ft
Corrected Casing Radius (Bouwer-Rice Method): 0.1883 ft
Gravel Pack Porosity: 0.28

No. of Observations: 654

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.968	654.	0.092
2.	0.557	656.3	0.092
4.	0.596	658.	0.094
6.	0.594	660.	0.087
8.	0.571	662.	0.087
10.	0.572	664.	0.088
12.	0.558	666.3	0.088
14.	0.547	668.	0.082
16.	0.541	670.	0.085
18.	0.528	672.	0.08
20.	0.525	674.	0.089
22.	0.524	676.	0.082
24.	0.518	678.	0.092
26.	0.511	680.	0.084
28.	0.504	682.	0.088
30.	0.492	684.	0.081
32.	0.484	686.	0.085
34.	0.473	688.	0.091
36.	0.472	690.	0.087
38.	0.462	692.	0.086
40.	0.47	694.	0.078

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
42.	0.46	696.	0.078
44.	0.452	698.	0.079
46.	0.45	700.	0.079
48.	0.453	702.	0.084
50.	0.437	704.	0.081
52.	0.427	706.	0.081
54.	0.436	708.	0.076
56.	0.423	710.	0.08
58.	0.43	712.	0.08
60.	0.418	714.	0.074
62.	0.411	716.	0.075
64.	0.412	718.	0.074
66.	0.401	720.	0.078
68.	0.409	722.	0.076
70.	0.4	724.	0.071
72.	0.405	726.	0.078
74.	0.403	728.	0.079
76.	0.397	730.	0.072
78.	0.385	732.	0.077
80.	0.385	734.	0.072
82.	0.391	736.	0.071
84.	0.377	738.	0.075
86.	0.377	740.	0.073
88.	0.383	742.	0.072
90.	0.371	744.	0.076
92.	0.369	746.	0.073
94.	0.367	748.	0.073
96.	0.372	750.	0.073
98.	0.361	752.	0.08
100.	0.362	754.	0.073
102.	0.361	756.	0.072
104.	0.35	758.	0.065
106.	0.365	760.	0.066
108.	0.354	762.	0.072
110.	0.36	764.	0.074
112.	0.348	766.	0.074
114.	0.348	768.	0.074
116.	0.344	770.	0.066
118.	0.345	772.	0.074
120.	0.344	774.	0.072
122.	0.348	776.	0.07
124.	0.341	778.	0.068
126.	0.332	780.	0.07
128.	0.328	782.	0.065
130.	0.334	784.	0.059
132.	0.326	786.	0.068
134.	0.326	788.	0.075
136.	0.33	790.	0.069
138.	0.324	792.	0.067
140.	0.328	794.	0.061
142.	0.313	796.	0.066
144.	0.315	798.	0.062
146.	0.319	800.	0.063
148.	0.313	802.	0.065
150.	0.304	804.	0.061
152.	0.31	806.	0.064
154.	0.303	808.	0.064
156.	0.304	810.	0.058
158.	0.304	812.	0.061

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
160.	0.297	814.	0.06
162.	0.301	816.	0.061
164.	0.295	818.	0.06
166.	0.296	820.	0.06
168.	0.289	822.	0.061
170.	0.295	824.	0.058
172.	0.295	826.	0.055
174.	0.285	828.	0.061
176.	0.292	830.	0.058
178.	0.292	832.	0.059
180.	0.283	834.	0.061
182.	0.285	836.	0.063
184.	0.276	838.	0.055
186.	0.283	840.	0.053
188.	0.286	842.	0.057
190.	0.278	844.	0.06
192.	0.273	846.	0.055
194.	0.27	848.	0.061
196.	0.273	850.	0.053
198.	0.271	852.	0.052
200.	0.282	854.	0.055
202.	0.275	856.	0.053
204.	0.274	858.	0.052
206.	0.269	860.	0.055
208.	0.269	862.	0.053
210.	0.265	864.	0.055
212.	0.268	866.	0.051
214.	0.261	868.	0.053
216.	0.257	870.	0.049
218.	0.256	872.	0.053
220.	0.254	874.	0.05
222.	0.249	876.	0.052
224.	0.254	878.	0.059
226.	0.248	880.	0.058
228.	0.247	882.	0.05
230.	0.252	884.	0.052
232.	0.25	886.	0.046
234.	0.244	888.	0.054
236.	0.247	890.	0.05
238.	0.251	892.	0.05
240.	0.238	894.	0.049
242.	0.242	896.	0.049
244.	0.237	898.	0.046
246.	0.235	900.	0.049
248.	0.243	902.	0.053
250.	0.241	904.	0.049
252.	0.226	906.	0.048
254.	0.229	908.	0.046
256.	0.236	910.	0.045
258.	0.231	912.	0.049
260.	0.222	914.	0.046
262.	0.222	916.	0.045
264.	0.228	918.	0.047
266.	0.23	920.	0.046
268.	0.22	922.	0.045
270.	0.225	924.	0.049
272.	0.225	926.	0.05
274.	0.217	928.	0.047
276.	0.227	930.	0.049

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
278.	0.227	932.	0.045
280.	0.222	934.	0.041
282.	0.222	936.	0.045
284.	0.212	938.	0.045
286.	0.206	940.	0.047
288.	0.209	942.	0.046
290.	0.218	944.	0.038
292.	0.215	946.	0.047
294.	0.207	948.	0.04
296.	0.213	950.	0.045
298.	0.212	952.	0.045
300.	0.203	954.	0.041
302.	0.209	956.	0.044
304.	0.207	958.	0.042
306.	0.209	960.	0.044
308.	0.203	962.	0.045
310.	0.195	964.	0.043
312.	0.206	966.	0.044
314.	0.205	968.	0.043
316.	0.199	970.	0.038
318.	0.186	972.	0.04
320.	0.2	974.	0.042
322.	0.204	976.	0.044
324.	0.201	978.	0.039
326.	0.197	980.	0.039
328.	0.189	982.	0.043
330.	0.193	984.	0.04
332.	0.187	986.	0.035
334.	0.188	988.	0.038
336.	0.19	990.	0.039
338.	0.192	992.	0.038
340.	0.183	994.	0.041
342.	0.184	996.	0.04
344.	0.188	998.	0.036
346.	0.183	1000.	0.035
348.	0.189	1002.	0.04
350.	0.185	1004.	0.038
352.	0.185	1006.	0.038
354.	0.179	1008.	0.043
356.	0.181	1010.	0.037
358.	0.184	1012.	0.037
360.	0.176	1014.	0.032
362.	0.179	1016.	0.041
364.	0.182	1018.	0.036
366.	0.178	1020.	0.036
368.	0.178	1022.	0.037
370.	0.176	1024.	0.038
372.	0.173	1026.	0.04
374.	0.165	1028.	0.034
376.	0.173	1030.	0.033
378.	0.173	1032.	0.034
380.	0.173	1034.	0.033
382.	0.172	1036.	0.033
384.	0.161	1038.	0.033
386.	0.169	1040.	0.031
388.	0.169	1042.	0.031
390.	0.168	1044.	0.034
392.	0.167	1046.	0.031
394.	0.166	1048.	0.033

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
396.	0.166	1050.	0.034
398.	0.173	1052.	0.034
400.	0.164	1054.	0.034
402.	0.166	1056.	0.025
404.	0.161	1058.	0.028
406.	0.161	1060.	0.028
408.	0.158	1062.	0.035
410.	0.159	1064.	0.028
412.	0.166	1066.	0.032
414.	0.156	1068.	0.025
416.1	0.161	1070.	0.026
418.	0.155	1072.	0.029
420.	0.161	1074.	0.03
422.	0.159	1076.	0.029
424.	0.156	1078.	0.027
426.1	0.154	1080.	0.029
428.	0.155	1082.	0.028
430.	0.148	1084.	0.029
432.	0.156	1086.	0.029
434.	0.15	1088.	0.028
436.1	0.155	1090.	0.029
438.	0.142	1092.	0.03
440.	0.145	1094.	0.032
442.	0.144	1096.	0.023
444.	0.146	1098.	0.025
446.1	0.148	1100.	0.027
448.	0.148	1102.	0.028
450.	0.138	1104.	0.027
452.	0.14	1106.	0.024
454.	0.137	1108.	0.025
456.1	0.14	1110.	0.027
458.	0.139	1112.	0.033
460.	0.136	1114.	0.023
462.	0.147	1116.	0.024
464.	0.143	1118.	0.027
466.1	0.14	1120.	0.027
468.	0.142	1122.	0.027
470.	0.135	1124.	0.022
472.	0.144	1126.	0.026
474.	0.132	1128.	0.026
476.1	0.136	1130.	0.029
478.	0.131	1132.	0.025
480.	0.128	1134.	0.027
482.	0.128	1136.	0.022
484.	0.13	1138.	0.026
486.2	0.129	1140.	0.024
488.	0.13	1142.	0.024
490.	0.13	1144.	0.027
492.	0.124	1146.	0.024
494.	0.119	1148.	0.023
496.2	0.129	1150.	0.024
498.	0.127	1152.	0.025
500.	0.128	1154.	0.023
502.	0.128	1156.	0.023
504.	0.13	1158.	0.027
506.2	0.124	1160.	0.02
508.	0.121	1162.1	0.016
510.	0.125	1164.	0.029
512.	0.121	1166.	0.022

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
514.	0.125	1168.	0.024
516.2	0.126	1170.	0.03
518.	0.126	1172.1	0.026
520.	0.116	1174.	0.019
522.	0.116	1176.	0.026
524.	0.117	1178.	0.022
526.2	0.122	1180.	0.024
528.	0.113	1182.1	0.025
530.	0.113	1184.	0.016
532.	0.118	1186.	0.02
534.	0.115	1188.	0.022
536.2	0.116	1190.	0.021
538.	0.121	1192.1	0.019
540.	0.114	1194.	0.023
542.	0.111	1196.	0.018
544.	0.115	1198.	0.024
546.2	0.116	1200.	0.019
548.	0.117	1202.1	0.023
550.	0.113	1204.	0.024
552.	0.114	1206.	0.02
554.	0.111	1208.	0.019
556.2	0.108	1210.	0.017
558.	0.105	1212.2	0.021
560.	0.113	1214.	0.019
562.	0.11	1216.	0.02
564.	0.105	1218.	0.021
566.2	0.116	1220.	0.019
568.	0.105	1222.2	0.02
570.	0.105	1224.	0.016
572.	0.107	1226.	0.018
574.	0.103	1228.	0.021
576.2	0.11	1230.	0.016
578.	0.108	1232.2	0.019
580.	0.103	1234.	0.018
582.	0.11	1236.	0.018
584.	0.104	1238.	0.018
586.2	0.105	1240.	0.012
588.	0.102	1242.2	0.014
590.	0.107	1244.	0.017
592.	0.103	1246.	0.015
594.	0.103	1248.	0.016
596.3	0.109	1250.	0.018
598.	0.098	1252.2	0.012
600.	0.102	1254.	0.017
602.	0.095	1256.	0.012
604.	0.093	1258.	0.017
606.3	0.098	1260.	0.015
608.	0.098	1262.3	0.012
610.	0.094	1264.	0.012
612.	0.094	1266.	0.01
614.	0.095	1268.	0.015
616.3	0.105	1270.	0.013
618.	0.094	1272.3	0.014
620.	0.096	1274.	0.014
622.	0.1	1276.	0.01
624.	0.1	1278.	0.018
626.3	0.093	1280.	0.012
628.	0.102	1282.3	0.014
630.	0.088	1284.	0.005

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
632.	0.091	1286.	0.009
634.	0.091	1288.	0.008
636.3	0.094	1290.	0.007
638.	0.09	1292.3	0.015
640.	0.092	1294.	0.014
642.	0.092	1296.	0.006
644.	0.088	1298.	0.01
646.3	0.087	1300.	0.01
648.	0.088	1302.3	0.011
650.	0.081	1304.	0.012
652.	0.085	1306.	0.008

SOLUTION

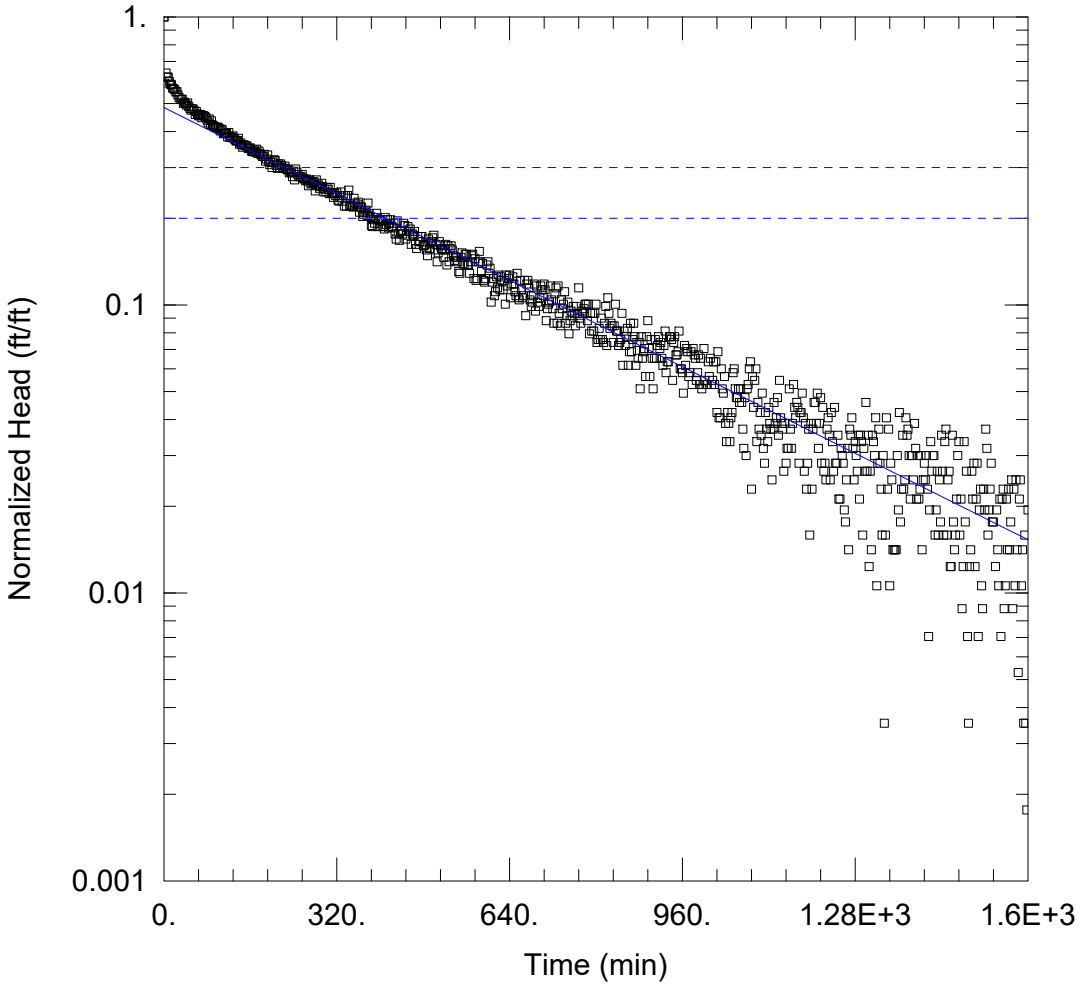
Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.395

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	1.082E-5	cm/sec
y0	0.4685	ft

T = K*b = 0.002398 cm²/sec



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\MW-32.aqt
Date: 08/23/22 Time: 14:50:33

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: MW-32
Test Date: 8/2/2022

AQUIFER DATA

Saturated Thickness: 5.45 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-32)

Initial Displacement: 0.567 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.45 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.28

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.104E-5 cm/sec
y0 = 0.2746 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\MW-32.aqt
Date: 08/23/22
Time: 14:50:57

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/2/2022
Test Well: MW-32

AQUIFER DATA

Saturated Thickness: 5.45 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: MW-32

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 0.567 ft
Static Water Column Height: 5.45 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 10. ft
Total Well Penetration Depth: 40. ft
Corrected Casing Radius (Bouwer-Rice Method): 0.1883 ft
Gravel Pack Porosity: 0.28

No. of Observations: 850

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	0.567	850.	0.035
2.	0.334	852.	0.046
4.	0.362	854.	0.041
6.	0.351	856.	0.044
8.	0.35	858.2	0.047
10.	0.339	860.	0.035
12.	0.331	862.	0.039
14.	0.329	864.	0.049
16.	0.321	866.	0.039
18.	0.319	868.2	0.043
20.	0.317	870.	0.049
22.	0.311	872.	0.044
24.	0.312	874.	0.035
26.	0.304	876.	0.042
28.	0.298	878.2	0.037
30.	0.293	880.	0.042
32.	0.293	882.	0.029
34.	0.294	884.	0.044
36.	0.284	886.	0.037
38.	0.287	888.2	0.039
40.	0.283	890.	0.04

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
42.	0.28	892.	0.032
44.	0.285	894.	0.044
46.	0.277	896.	0.05
48.	0.273	898.2	0.04
50.	0.269	900.	0.032
52.	0.272	902.	0.043
54.	0.272	904.	0.037
56.	0.268	906.	0.029
58.	0.26	908.2	0.037
60.	0.266	910.	0.043
62.	0.261	912.	0.037
64.	0.257	914.	0.041
66.	0.258	916.	0.044
68.	0.26	918.3	0.04
70.	0.253	920.	0.042
72.	0.258	922.	0.037
74.	0.257	924.	0.035
76.	0.256	926.	0.041
78.	0.253	928.	0.046
80.	0.248	930.	0.033
82.	0.243	932.	0.036
84.	0.251	934.	0.036
86.	0.24	936.	0.044
88.	0.247	938.3	0.044
90.	0.239	940.	0.043
92.	0.237	942.	0.031
94.	0.236	944.	0.042
96.	0.234	946.	0.044
98.	0.234	948.3	0.038
100.	0.235	950.	0.038
102.	0.233	952.	0.039
104.	0.228	954.	0.046
106.	0.231	956.	0.034
108.	0.23	958.3	0.034
110.	0.223	960.	0.033
112.	0.223	962.	0.028
114.	0.224	964.	0.041
116.	0.224	966.	0.035
118.	0.217	968.3	0.04
120.	0.225	970.	0.039
122.	0.217	972.	0.032
124.	0.216	974.	0.033
126.	0.217	976.	0.039
128.	0.219	978.3	0.03
130.	0.214	980.	0.04
132.	0.212	982.	0.038
134.	0.21	984.	0.037
136.	0.211	986.	0.031
138.	0.215	988.3	0.033
140.	0.205	990.	0.038
142.	0.207	992.	0.03
144.	0.204	994.	0.037
146.	0.2	996.	0.029
148.	0.204	998.3	0.03
150.	0.203	1000.	0.04
152.	0.202	1002.	0.031
154.	0.202	1004.	0.03
156.	0.198	1006.	0.03
158.	0.198	1008.	0.036

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
160.	0.199	1010.	0.032
162.	0.194	1012.	0.037
164.	0.193	1014.	0.03
166.	0.194	1016.	0.031
168.	0.196	1018.	0.036
170.	0.192	1020.	0.03
172.	0.197	1022.	0.036
174.	0.19	1024.	0.024
176.	0.194	1026.	0.039
178.	0.19	1028.	0.023
180.	0.188	1030.	0.023
182.	0.186	1032.	0.034
184.	0.186	1034.	0.029
186.	0.189	1036.	0.028
188.	0.179	1038.	0.032
190.	0.182	1040.	0.022
192.	0.188	1042.	0.019
194.	0.178	1044.	0.024
196.	0.174	1046.	0.022
198.	0.177	1048.	0.019
200.	0.17	1050.	0.023
202.	0.178	1052.	0.024
204.	0.181	1054.	0.033
206.	0.18	1056.	0.034
208.	0.173	1058.	0.029
210.	0.169	1060.	0.027
212.	0.175	1062.	0.027
214.	0.17	1064.	0.029
216.	0.175	1066.	0.026
218.	0.173	1068.	0.029
220.	0.169	1070.	0.026
222.1	0.169	1072.	0.021
224.	0.172	1074.	0.018
226.	0.169	1076.	0.027
228.	0.167	1078.	0.017
230.	0.167	1080.	0.029
232.2	0.163	1082.	0.03
234.	0.165	1084.	0.034
236.	0.163	1086.	0.036
238.	0.158	1088.	0.013
240.	0.165	1090.	0.032
242.1	0.154	1092.	0.025
244.	0.168	1094.	0.031
246.	0.164	1096.	0.034
248.	0.161	1098.	0.019
250.	0.158	1100.	0.026
252.1	0.158	1102.	0.021
254.	0.158	1104.	0.024
256.	0.161	1106.	0.02
258.	0.156	1108.	0.028
260.	0.155	1110.	0.018
262.1	0.153	1112.	0.016
264.	0.155	1114.	0.024
266.	0.153	1116.	0.021
268.	0.147	1118.	0.019
270.	0.154	1120.	0.025
272.1	0.149	1122.	0.022
274.	0.15	1124.	0.021
276.	0.151	1126.	0.014

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
278.	0.152	1128.	0.021
280.	0.141	1130.	0.026
282.1	0.154	1132.	0.022
284.	0.147	1134.	0.023
286.	0.148	1136.	0.027
288.	0.144	1138.	0.02
290.	0.146	1140.	0.031
292.2	0.15	1142.	0.023
294.	0.146	1144.	0.022
296.	0.14	1146.	0.021
298.	0.143	1148.	0.015
300.	0.14	1150.	0.022
302.2	0.145	1152.	0.016
304.	0.143	1154.	0.018
306.	0.138	1156.	0.018
308.	0.145	1158.	0.029
310.	0.138	1160.	0.021
312.2	0.139	1162.	0.018
314.	0.134	1164.	0.022
316.	0.138	1166.	0.03
318.	0.136	1168.	0.025
320.	0.139	1170.	0.023
322.2	0.131	1172.	0.026
324.	0.13	1174.	0.025
326.	0.134	1176.	0.016
328.	0.14	1178.	0.024
330.	0.13	1180.	0.024
332.3	0.136	1182.	0.028
334.	0.125	1184.	0.023
336.	0.136	1186.	0.015
338.	0.125	1188.	0.022
340.	0.136	1190.	0.013
342.3	0.142	1192.	0.016
344.	0.125	1194.	0.021
346.	0.126	1196.	0.009
348.	0.125	1198.	0.022
350.	0.124	1200.	0.013
352.3	0.133	1202.	0.021
354.	0.128	1204.	0.026
356.	0.125	1206.	0.026
358.	0.127	1208.	0.022
360.	0.129	1210.	0.028
362.3	0.119	1212.	0.018
364.	0.124	1214.	0.022
366.	0.124	1216.	0.027
368.	0.115	1218.	0.016
370.	0.117	1220.	0.025
372.	0.119	1222.	0.015
374.	0.121	1224.	0.016
376.	0.116	1226.	0.014
378.	0.128	1228.	0.021
380.	0.118	1230.	0.023
382.	0.115	1232.	0.02
384.	0.107	1234.	0.014
386.	0.106	1236.	0.024
388.	0.112	1238.	0.019
390.	0.109	1240.	0.015
392.	0.114	1242.	0.025
394.	0.118	1244.	0.016

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
396.	0.106	1246.	0.016
398.	0.112	1248.	0.02
400.	0.111	1250.	0.012
402.	0.112	1252.	0.012
404.	0.106	1254.	0.018
406.	0.106	1256.	0.017
408.	0.104	1258.	0.016
410.	0.114	1260.	0.011
412.	0.108	1262.	0.01
414.	0.112	1264.	0.014
416.	0.105	1266.	0.018
418.	0.109	1268.	0.008
420.	0.112	1270.	0.021
422.	0.106	1272.	0.02
424.	0.105	1274.	0.023
426.	0.109	1276.	0.018
428.	0.1	1278.	0.014
430.	0.096	1280.	0.019
432.	0.111	1282.	0.017
434.	0.1	1284.	0.015
436.	0.095	1286.	0.02
438.	0.102	1288.	0.012
440.	0.103	1290.	0.02
442.	0.1	1292.	0.019
444.	0.109	1294.	0.009
446.	0.107	1296.	0.018
448.	0.096	1298.	0.015
450.	0.099	1300.	0.026
452.	0.106	1302.	0.015
454.	0.102	1304.	0.02
456.	0.104	1306.	0.007
458.	0.092	1308.	0.015
460.	0.1	1310.	0.008
462.	0.099	1312.	0.02
464.	0.102	1314.	0.019
466.	0.092	1316.	0.017
468.	0.089	1318.	0.023
470.	0.098	1320.	0.006
472.	0.094	1322.	0.016
474.	0.094	1324.	0.021
476.	0.098	1326.	0.016
478.	0.098	1328.	0.013
480.	0.091	1330.	0.009
482.	0.091	1332.	0.017
484.	0.092	1334.	0.002
486.	0.088	1336.	0.009
488.	0.084	1338.	0.023
490.	0.096	1340.	0.013
492.	0.089	1342.	0.021
494.	0.093	1344.	0.006
496.	0.094	1346.	0.016
498.	0.097	1348.	0.014
500.	0.099	1350.	0.008
502.	0.088	1352.	0.008
504.	0.092	1354.	0.008
506.	0.08	1356.	0.008
508.	0.086	1358.	0.017
510.	0.094	1360.	0.011
512.	0.091	1362.	0.024

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
514.	0.089	1364.	0.01
516.	0.088	1366.	0.013
518.	0.083	1368.	0.02
520.	0.088	1370.	0.013
522.	0.092	1372.	0.014
524.	0.078	1374.	0.023
526.	0.091	1376.	0.02
528.	0.08	1378.	0.021
530.	0.089	1380.	0.017
532.	0.091	1382.	0.012
534.	0.088	1384.	0.017
536.	0.084	1386.	0.017
538.	0.081	1388.	0.014
540.	0.083	1390.	0.022
542.	0.083	1392.	0.018
544.	0.08	1394.	0.012
546.	0.074	1396.	0.017
548.	0.073	1398.	0.012
550.	0.083	1400.	0.013
552.	0.086	1402.	0.017
554.	0.079	1404.	0.008
556.	0.078	1406.	0.014
558.	0.085	1408.	0.016
560.	0.085	1410.	0.014
562.	0.078	1412.	0.017
564.	0.078	1414.	0.013
566.	0.073	1416.	0.004
568.	0.08	1418.	0.011
570.	0.084	1420.	0.019
572.	0.085	1422.	0.015
574.	0.07	1424.	0.017
576.	0.082	1426.	0.017
578.	0.069	1428.	0.009
580.	0.07	1430.	0.011
582.	0.08	1432.	0.015
584.	0.087	1434.	0.009
586.	0.08	1436.	0.014
588.	0.074	1438.	0.01
590.	0.079	1440.	0.02
592.	0.069	1442.	0.015
594.	0.068	1444.	0.009
596.	0.07	1446.	0.019
598.	0.078	1448.	0.021
600.	0.08	1450.	0.009
602.	0.073	1452.	0.014
604.	0.076	1454.	0.015
606.	0.058	1456.	0.007
608.	0.068	1458.	0.007
610.	0.07	1460.	0.02
612.	0.061	1462.	0.01
614.	0.063	1464.	0.008
616.	0.071	1466.	0.009
618.	0.065	1468.	0.012
620.	0.072	1470.	0.017
622.	0.064	1472.	0.019
624.	0.071	1474.1	0.009
626.	0.069	1476.	0.012
628.	0.064	1478.	0.005
630.	0.069	1480.	0.007

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
632.	0.057	1482.	0.019
634.	0.072	1484.1	0.01
636.	0.066	1486.	0.015
638.	0.07	1488.	0.004
640.	0.072	1490.	0.002
642.	0.06	1492.	0.007
644.	0.067	1494.1	0.008
646.	0.071	1496.	0.015
648.	0.067	1498.	0.012
650.	0.063	1500.	0.016
652.	0.061	1502.	0.007
654.	0.073	1504.1	0.012
656.	0.06	1506.	0.016
658.	0.059	1508.	0.004
660.	0.069	1510.	0.011
662.	0.064	1512.	0.013
664.	0.06	1514.1	0.006
666.	0.061	1516.	0.005
668.	0.069	1518.	0.013
670.	0.052	1520.	0.011
672.	0.067	1522.	0.021
674.	0.069	1524.1	0.018
676.	0.065	1526.	0.009
678.	0.059	1528.	0.011
680.	0.056	1530.	0.013
682.	0.058	1532.	0.016
684.	0.061	1534.2	0.01
686.	0.067	1536.	0.01
688.	0.054	1538.	0.
690.	0.066	1540.	0.007
692.	0.058	1542.	0.011
694.	0.056	1544.2	0.008
696.	0.06	1546.	0.006
698.	0.066	1548.	0.012
700.	0.064	1550.	0.004
702.	0.061	1552.	0.012
704.	0.067	1554.2	0.013
706.	0.064	1556.	0.005
708.	0.05	1558.	0.006
710.	0.055	1560.	0.012
712.	0.057	1562.	0.008
714.	0.058	1564.2	0.013
716.	0.066	1566.	0.008
718.	0.059	1568.	0.01
720.	0.055	1570.	0.014
722.	0.049	1572.	0.005
724.	0.062	1574.2	0.013
726.	0.065	1576.	0.006
728.	0.049	1578.	0.014
730.	0.066	1580.	0.008
732.	0.053	1582.	0.003
734.	0.048	1584.3	0.012
736.	0.059	1586.	0.014
738.	0.055	1588.	0.006
740.	0.057	1590.	0.008
742.	0.063	1592.	0.002
744.	0.049	1594.2	0.009
746.	0.052	1596.	0.002
748.	0.058	1598.	0.001

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
750.	0.045	1600.	0.011
752.	0.05	1602.	0.014
754.	0.054	1604.2	0.003
756.	0.052	1606.	0.004
758.	0.056	1608.	0.013
760.	0.053	1610.	0.014
762.	0.048	1612.	0.014
764.	0.056	1614.2	0.007
766.	0.053	1616.	0.013
768.	0.065	1618.	0.013
770.	0.051	1620.	0.001
772.	0.049	1622.	0.003
774.	0.054	1624.2	0.013
776.	0.053	1626.	0.014
778.	0.055	1628.	0.008
780.	0.057	1630.	0.003
782.	0.057	1632.	0.003
784.	0.05	1634.3	0.007
786.	0.057	1636.	0.003
788.1	0.045	1638.	0.005
790.	0.053	1640.	0.003
792.	0.046	1642.	0.003
794.	0.053	1644.3	0.01
796.	0.046	1646.	0.002
798.1	0.053	1648.	0.004
800.	0.057	1650.	0.004
802.	0.042	1652.	0.006
804.	0.043	1654.3	0.006
806.	0.047	1656.	0.013
808.1	0.043	1658.	0.007
810.	0.051	1660.	0.005
812.	0.043	1662.	0.006
814.	0.042	1664.3	0.009
816.	0.049	1666.	0.01
818.1	0.056	1668.	0.012
820.	0.041	1670.	0.012
822.	0.06	1672.	0.012
824.	0.053	1674.3	0.006
826.	0.047	1676.	0.006
828.1	0.049	1678.	0.001
830.	0.048	1680.	0.006
832.	0.042	1682.	0.008
834.	0.048	1684.3	0.002
836.	0.057	1686.	0.003
838.1	0.046	1688.	0.004
840.	0.046	1690.	0.008
842.	0.041	1692.	0.01
844.	0.042	1694.	0.011
846.	0.043	1696.	0.015
848.2	0.053	1698.	0.013

SOLUTION

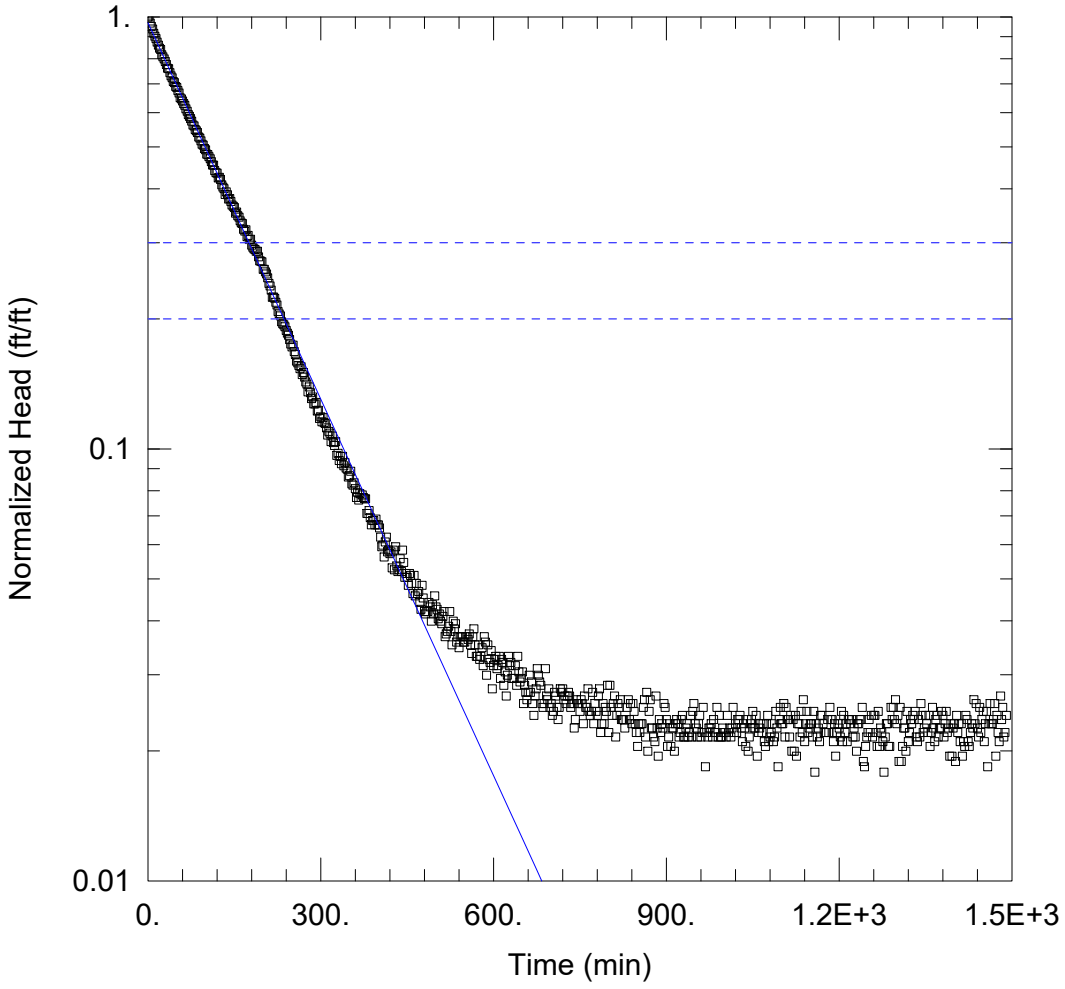
Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.395

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	1.104E-5	cm/sec
y0	0.2746	ft

T = K*b = 0.001834 cm²/sec



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DW-4.aqt
Date: 08/23/22 Time: 14:51:40

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: DW-4
Test Date: 8/3/2022

AQUIFER DATA

Saturated Thickness: 22.58 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DW-4)

Initial Displacement: 1.904 ft
Total Well Penetration Depth: 63. ft
Casing Radius: 0.083 ft
Static Water Column Height: 22.58 ft
Screen Length: 5. ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 7.584E-6 cm/sec
y0 = 1.846 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DW-4.aqt
Date: 08/23/22
Time: 14:51:54

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/3/2022
Test Well: DW-4

AQUIFER DATA

Saturated Thickness: 22.58 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: DW-4

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.904 ft
Static Water Column Height: 22.58 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 5. ft
Total Well Penetration Depth: 63. ft

No. of Observations: 746

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	1.904	746.	0.049
2.	1.889	748.	0.049
4.	1.842	750.	0.047
6.	1.81	752.	0.05
8.094	1.786	754.	0.049
10.	1.744	756.	0.044
12.	1.718	758.	0.051
14.	1.696	760.	0.048
16.	1.665	762.	0.048
18.15	1.638	764.	0.053
20.	1.612	766.	0.047
22.	1.6	768.	0.046
24.	1.556	770.	0.047
26.	1.539	772.	0.052
28.24	1.522	774.	0.044
30.	1.502	776.	0.049
32.	1.477	778.	0.047
34.	1.449	780.	0.046
36.	1.445	782.	0.051
38.12	1.414	784.	0.053
40.	1.391	786.	0.042
42.	1.376	788.	0.044
44.	1.35	790.	0.049

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
46.	1.342	792.	0.044
48.14	1.315	794.1	0.048
50.	1.307	796.	0.047
52.	1.286	798.	0.054
54.	1.269	800.	0.042
56.	1.237	802.	0.054
58.16	1.23	804.1	0.048
60.	1.216	806.	0.046
62.	1.2	808.	0.049
64.	1.189	810.	0.051
66.	1.167	812.	0.041
68.17	1.152	814.1	0.046
70.	1.131	816.	0.049
72.	1.121	818.	0.048
74.	1.107	820.	0.05
76.	1.092	822.	0.045
78.19	1.07	824.1	0.045
80.	1.065	826.	0.045
82.	1.045	828.	0.043
84.	1.038	830.	0.045
86.	1.028	832.	0.048
88.2	1.004	834.1	0.05
90.	0.998	836.	0.045
92.	0.984	838.	0.049
94.	0.966	840.	0.044
96.	0.961	842.	0.049
98.23	0.944	844.1	0.047
100.	0.938	846.	0.044
102.	0.916	848.	0.042
104.	0.914	850.	0.039
106.	0.904	852.	0.044
108.2	0.894	854.	0.042
110.	0.88	856.	0.044
112.	0.865	858.	0.044
114.	0.864	860.	0.048
116.	0.839	862.	0.05
118.2	0.83	864.	0.041
120.	0.828	866.	0.052
122.	0.807	868.	0.038
124.	0.81	870.	0.047
126.	0.801	872.	0.05
128.2	0.778	874.	0.043
130.	0.769	876.	0.043
132.	0.762	878.	0.041
134.	0.739	880.	0.04
136.	0.749	882.	0.051
138.3	0.738	884.	0.043
140.	0.721	886.	0.037
142.	0.723	888.	0.045
144.	0.712	890.	0.042
146.	0.699	892.	0.044
148.3	0.694	894.	0.043
150.	0.689	896.	0.049
152.	0.669	898.	0.048
154.	0.673	900.	0.045
156.	0.66	902.	0.039
158.3	0.655	904.	0.041
160.	0.642	906.	0.044
162.	0.635	908.	0.039

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
164.	0.633	910.	0.043
166.	0.614	912.	0.043
168.3	0.608	914.	0.038
170.	0.612	916.	0.044
172.	0.59	918.	0.045
174.	0.594	920.	0.044
176.	0.581	922.	0.041
178.3	0.582	924.	0.042
180.	0.564	926.	0.045
182.	0.558	928.	0.046
184.	0.553	930.	0.041
186.	0.551	932.	0.041
188.	0.546	934.	0.043
190.	0.546	936.	0.044
192.	0.53	938.	0.041
194.	0.519	940.	0.042
196.	0.518	942.	0.046
198.	0.516	944.	0.041
200.	0.496	946.	0.047
202.	0.496	948.	0.049
204.	0.489	950.	0.044
206.	0.484	952.	0.043
208.	0.474	954.	0.041
210.	0.46	956.	0.044
212.	0.454	958.	0.046
214.	0.444	960.	0.041
216.	0.427	962.	0.042
218.	0.428	964.	0.048
220.	0.425	966.	0.042
222.	0.416	968.	0.035
224.	0.41	970.	0.042
226.	0.396	972.	0.041
228.	0.391	974.	0.043
230.	0.387	976.	0.043
232.	0.375	978.	0.044
234.	0.371	980.	0.041
236.	0.369	982.	0.045
238.	0.365	984.	0.042
240.	0.358	986.	0.042
242.	0.353	988.	0.048
244.	0.349	990.	0.041
246.	0.341	992.	0.046
248.	0.333	994.	0.041
250.	0.328	996.	0.041
252.	0.331	998.	0.043
254.	0.32	1000.	0.042
256.	0.315	1002.	0.042
258.	0.304	1004.	0.041
260.	0.301	1006.	0.046
262.	0.297	1008.	0.042
264.	0.292	1010.	0.043
266.	0.295	1012.	0.041
268.	0.283	1014.	0.043
270.	0.286	1016.	0.048
272.	0.279	1018.	0.042
274.	0.272	1020.	0.044
276.	0.269	1022.	0.042
278.	0.258	1024.	0.045
280.	0.265	1026.	0.045

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
282.	0.257	1028.	0.046
284.	0.249	1030.	0.043
286.	0.251	1032.	0.04
288.	0.242	1034.	0.044
290.	0.242	1036.	0.043
292.	0.244	1038.	0.039
294.	0.233	1040.	0.045
296.	0.234	1042.	0.038
298.	0.224	1044.	0.041
300.	0.226	1046.	0.044
302.	0.22	1048.	0.045
304.	0.225	1050.	0.047
306.	0.219	1052.	0.043
308.	0.218	1054.	0.043
310.	0.213	1056.	0.046
312.	0.205	1058.	0.037
314.	0.209	1060.	0.042
316.	0.207	1062.	0.043
318.	0.198	1064.	0.044
320.	0.204	1066.	0.042
322.	0.197	1068.	0.044
324.	0.194	1070.	0.04
326.	0.198	1072.	0.039
328.	0.184	1074.	0.044
330.	0.186	1076.	0.046
332.	0.179	1078.	0.04
334.	0.183	1080.	0.041
336.	0.176	1082.	0.042
338.	0.183	1084.	0.044
340.	0.174	1086.	0.04
342.	0.177	1088.	0.041
344.	0.172	1090.	0.047
346.	0.171	1092.	0.043
348.	0.164	1094.	0.035
350.	0.165	1096.	0.045
352.	0.169	1098.	0.048
354.	0.158	1100.	0.044
356.	0.157	1102.	0.044
358.	0.159	1104.	0.049
360.	0.154	1106.	0.041
362.	0.147	1108.	0.048
364.	0.151	1110.	0.045
366.	0.145	1112.	0.045
368.	0.15	1114.	0.041
370.	0.147	1116.	0.046
372.	0.149	1118.	0.038
374.	0.147	1120.	0.045
376.	0.146	1122.	0.038
378.	0.146	1124.	0.046
380.	0.135	1126.	0.037
382.	0.135	1128.	0.044
384.	0.137	1130.	0.044
386.	0.132	1132.	0.041
388.	0.127	1134.	0.047
390.	0.13	1136.	0.042
392.	0.13	1138.	0.05
394.	0.127	1140.	0.04
396.	0.131	1142.	0.044
398.	0.127	1144.	0.047

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
400.	0.127	1146.	0.042
402.	0.125	1148.	0.043
404.	0.119	1150.	0.044
406.	0.113	1152.	0.044
408.	0.114	1154.	0.041
410.	0.107	1156.	0.047
412.	0.116	1158.	0.034
414.	0.119	1160.	0.044
416.	0.11	1162.	0.041
418.	0.111	1164.	0.043
420.	0.109	1166.	0.04
422.	0.11	1168.	0.046
424.	0.101	1170.	0.046
426.	0.111	1172.	0.044
428.	0.1	1174.	0.042
430.	0.113	1176.	0.042
432.	0.102	1178.	0.042
434.	0.099	1180.	0.045
436.	0.1	1182.	0.042
438.	0.106	1184.	0.048
440.	0.099	1186.	0.045
442.	0.111	1188.	0.045
444.	0.104	1190.	0.04
446.	0.096	1192.	0.044
448.	0.098	1194.	0.037
450.	0.096	1196.	0.042
452.	0.092	1198.	0.044
454.	0.098	1200.	0.043
456.	0.097	1202.	0.041
458.	0.093	1204.	0.047
460.	0.088	1206.	0.04
462.	0.097	1208.	0.046
464.	0.087	1210.	0.042
466.	0.093	1212.	0.044
468.	0.088	1214.	0.04
470.	0.089	1216.	0.045
472.	0.084	1218.	0.045
474.	0.081	1220.	0.044
476.	0.092	1222.	0.045
478.	0.086	1224.	0.041
480.	0.08	1226.	0.043
482.	0.079	1228.	0.041
484.	0.08	1230.	0.038
486.	0.08	1232.	0.044
488.	0.084	1234.	0.044
490.	0.082	1236.	0.045
492.	0.076	1238.	0.045
494.	0.083	1240.	0.048
496.	0.079	1242.	0.036
498.	0.087	1244.	0.035
500.	0.082	1246.	0.039
502.	0.081	1248.	0.041
504.	0.077	1250.	0.042
506.	0.079	1252.	0.045
508.	0.076	1254.	0.042
510.	0.075	1256.	0.046
512.	0.078	1258.	0.041
514.	0.08	1260.	0.046
516.	0.07	1262.	0.046

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
518.	0.071	1264.	0.042
520.	0.072	1266.	0.039
522.	0.074	1268.	0.047
524.	0.08	1270.	0.039
526.	0.072	1272.	0.043
528.	0.067	1274.	0.042
530.	0.076	1276.	0.04
532.	0.073	1278.	0.034
534.	0.075	1280.1	0.041
536.	0.068	1282.	0.044
538.	0.07	1284.	0.044
540.	0.066	1286.	0.039
542.	0.07	1288.	0.039
544.	0.07	1290.	0.048
546.	0.07	1292.	0.045
548.	0.068	1294.	0.048
550.	0.068	1296.	0.045
552.	0.07	1298.	0.05
554.	0.07	1300.	0.044
556.	0.069	1302.	0.046
558.	0.071	1304.	0.036
560.	0.067	1306.	0.048
562.	0.064	1308.	0.036
564.	0.07	1310.	0.039
566.	0.073	1312.	0.043
568.	0.067	1314.	0.043
570.	0.063	1316.	0.038
572.	0.063	1318.	0.047
574.	0.067	1320.	0.04
576.	0.062	1322.	0.042
578.	0.063	1324.	0.045
580.	0.066	1326.	0.044
582.	0.06	1328.	0.046
584.	0.07	1330.1	0.045
586.	0.068	1332.	0.047
588.	0.057	1334.	0.041
590.	0.067	1336.	0.04
592.	0.062	1338.	0.045
594.	0.061	1340.1	0.041
596.	0.065	1342.	0.049
598.	0.053	1344.	0.046
600.	0.06	1346.	0.042
602.	0.062	1348.	0.043
604.	0.063	1350.1	0.046
606.	0.059	1352.	0.044
608.	0.06	1354.	0.042
610.	0.063	1356.	0.046
612.	0.056	1358.	0.039
614.	0.062	1360.1	0.042
616.	0.061	1362.	0.048
618.	0.054	1364.	0.043
620.	0.058	1366.	0.04
622.	0.051	1368.	0.045
624.	0.057	1370.1	0.046
626.	0.063	1372.	0.041
628.	0.06	1374.	0.043
630.	0.061	1376.	0.043
632.	0.056	1378.	0.047
634.	0.056	1380.1	0.046

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
636.	0.056	1382.	0.041
638.	0.06	1384.	0.044
640.	0.054	1386.	0.047
642.	0.063	1388.	0.042
644.	0.058	1390.2	0.043
646.	0.055	1392.	0.037
648.	0.056	1394.	0.044
650.	0.058	1396.	0.037
652.	0.049	1398.	0.043
654.	0.054	1400.2	0.044
656.	0.052	1402.	0.036
658.	0.05	1404.	0.046
660.	0.052	1406.	0.042
662.	0.057	1408.	0.044
664.	0.052	1410.2	0.04
666.	0.055	1412.	0.044
668.	0.049	1414.	0.037
670.	0.046	1416.	0.04
672.	0.051	1418.	0.039
674.	0.053	1420.2	0.046
676.	0.059	1422.	0.045
678.	0.057	1424.	0.04
680.	0.055	1426.	0.039
682.	0.054	1428.	0.042
684.	0.049	1430.2	0.044
686.	0.048	1432.	0.043
688.	0.049	1434.	0.05
690.	0.059	1436.	0.044
692.	0.051	1438.	0.049
694.	0.05	1440.2	0.043
696.	0.053	1442.	0.041
698.	0.048	1444.	0.048
700.	0.049	1446.	0.042
702.	0.046	1448.	0.045
704.	0.047	1450.2	0.047
706.	0.052	1452.	0.04
708.	0.051	1454.	0.044
710.	0.048	1456.	0.047
712.	0.045	1458.	0.035
714.	0.048	1460.3	0.044
716.	0.053	1462.	0.049
718.	0.052	1464.	0.044
720.	0.053	1466.	0.044
722.	0.05	1468.	0.045
724.	0.051	1470.3	0.049
726.	0.049	1472.	0.037
728.	0.051	1474.	0.046
730.	0.052	1476.	0.042
732.	0.051	1478.	0.04
734.	0.048	1480.3	0.051
736.	0.049	1482.	0.045
738.	0.049	1484.	0.048
740.	0.043	1486.	0.041
742.	0.045	1488.	0.042
744.	0.05	1490.3	0.046

SOLUTION

Slug Test

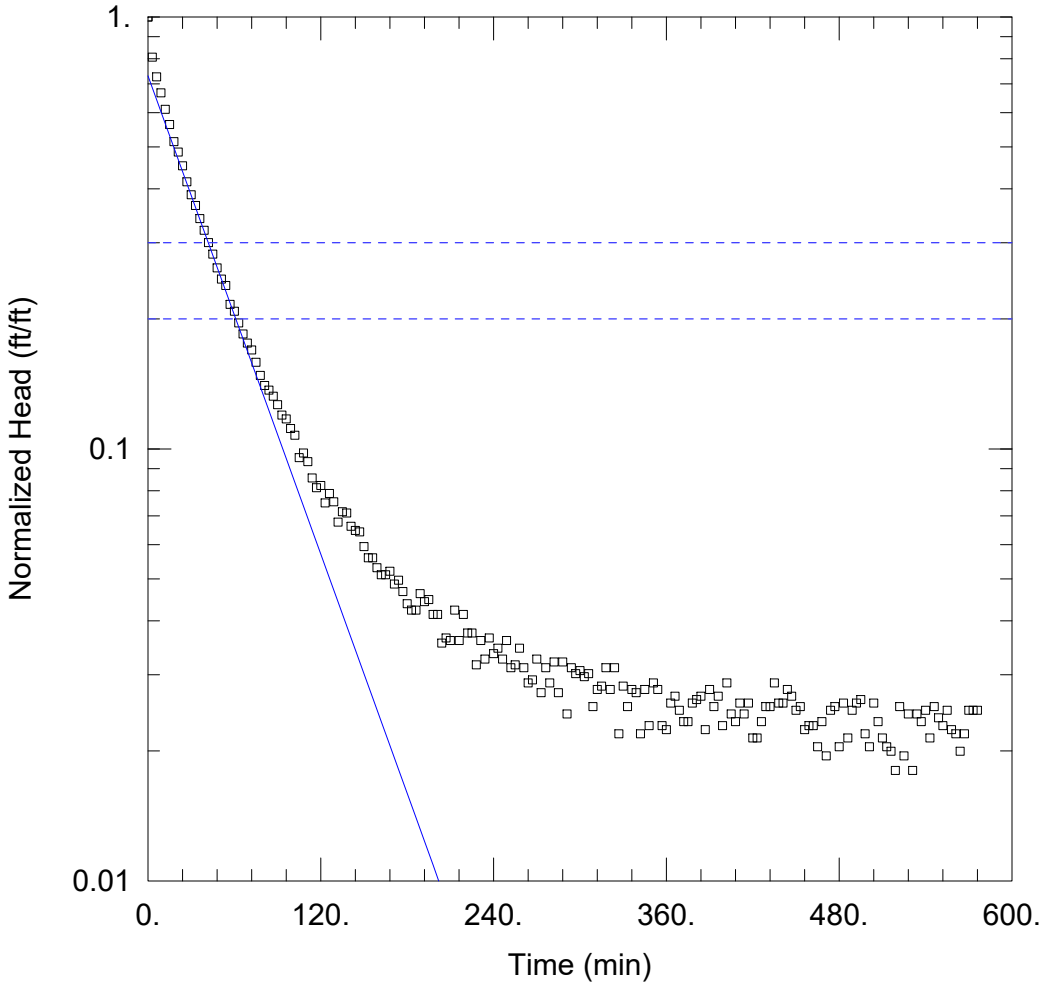
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.239

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	7.584E-6	cm/sec
y0	1.846	ft

T = K*b = 0.005219 cm²/sec



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DW-6.aqt
Date: 08/23/22 Time: 14:52:16

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: DW-6
Test Date: 8/2/2022

AQUIFER DATA

Saturated Thickness: 30.42 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DW-6)

Initial Displacement: 2.054 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.42 ft
Screen Length: 5. ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.418E-5 cm/sec
y0 = 1.5 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DW-6.aqt
Date: 08/23/22
Time: 14:52:30

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/2/2022
Test Well: DW-6

AQUIFER DATA

Saturated Thickness: 30.42 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: DW-6

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.054 ft
Static Water Column Height: 30.42 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 5. ft
Total Well Penetration Depth: 65. ft

No. of Observations: 193

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	2.054	291.	0.05
3.	1.658	294.	0.064
6.	1.492	297.	0.062
9.	1.371	300.	0.063
12.	1.255	303.	0.061
15.	1.158	306.	0.062
18.	1.057	309.	0.052
21.	1.	312.	0.057
24.	0.929	315.	0.058
27.	0.853	318.	0.064
30.	0.796	321.	0.057
33.	0.752	324.	0.064
36.	0.701	327.	0.045
39.	0.659	330.	0.058
42.	0.617	333.	0.052
45.	0.58	336.	0.057
48.	0.539	339.	0.056
51.	0.508	342.	0.045
54.	0.491	345.	0.057
57.	0.444	348.	0.047
60.	0.428	351.	0.059
63.	0.402	354.	0.057
66.	0.379	357.	0.047

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
69.	0.361	360.	0.046
72.	0.348	363.	0.053
75.	0.326	366.	0.055
78.	0.304	369.	0.051
81.	0.288	372.	0.048
84.	0.281	375.	0.048
87.	0.272	378.	0.053
90.	0.26	381.	0.054
93.	0.246	384.	0.055
96.	0.241	387.	0.046
99.	0.229	390.	0.057
102.	0.221	393.	0.052
105.	0.196	396.	0.055
108.	0.201	399.	0.047
111.	0.192	402.	0.059
114.	0.176	405.	0.05
117.	0.167	408.	0.048
120.	0.169	411.	0.053
123.	0.154	414.	0.05
126.	0.162	417.	0.053
129.	0.155	420.	0.044
132.	0.139	423.	0.044
135.	0.147	426.	0.048
138.	0.146	429.	0.052
141.1	0.136	432.	0.052
144.	0.133	435.	0.059
147.	0.132	438.	0.053
150.	0.122	441.	0.053
153.	0.115	444.	0.057
156.1	0.115	447.	0.055
159.	0.109	450.	0.051
162.	0.105	453.	0.052
165.	0.105	456.	0.046
168.	0.107	459.	0.047
171.1	0.1	462.	0.047
174.	0.102	465.	0.042
177.	0.096	468.	0.048
180.	0.09	471.	0.04
183.	0.087	474.	0.051
186.1	0.087	477.	0.052
189.	0.095	480.	0.042
192.	0.091	483.	0.053
195.	0.092	486.	0.044
198.	0.085	489.	0.051
201.2	0.085	492.	0.053
204.	0.073	495.	0.054
207.	0.075	498.	0.045
210.	0.074	501.	0.042
213.	0.087	504.	0.053
216.2	0.074	507.	0.048
219.	0.085	510.	0.044
222.	0.077	513.	0.042
225.	0.077	516.	0.041
228.	0.065	519.	0.037
231.2	0.074	522.	0.052
234.	0.067	525.	0.04
237.	0.075	528.	0.05
240.	0.069	531.	0.037
243.	0.071	534.	0.05

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
246.2	0.067	537.	0.048
249.	0.074	540.	0.051
252.	0.064	543.	0.044
255.	0.065	546.	0.052
258.	0.071	549.	0.049
261.	0.064	552.	0.047
264.	0.059	555.	0.051
267.	0.06	558.	0.046
270.	0.067	561.	0.045
273.	0.056	564.	0.041
276.3	0.064	567.	0.045
279.	0.059	570.	0.051
282.	0.066	573.	0.051
285.	0.056	576.	0.051
288.	0.066		

SOLUTION

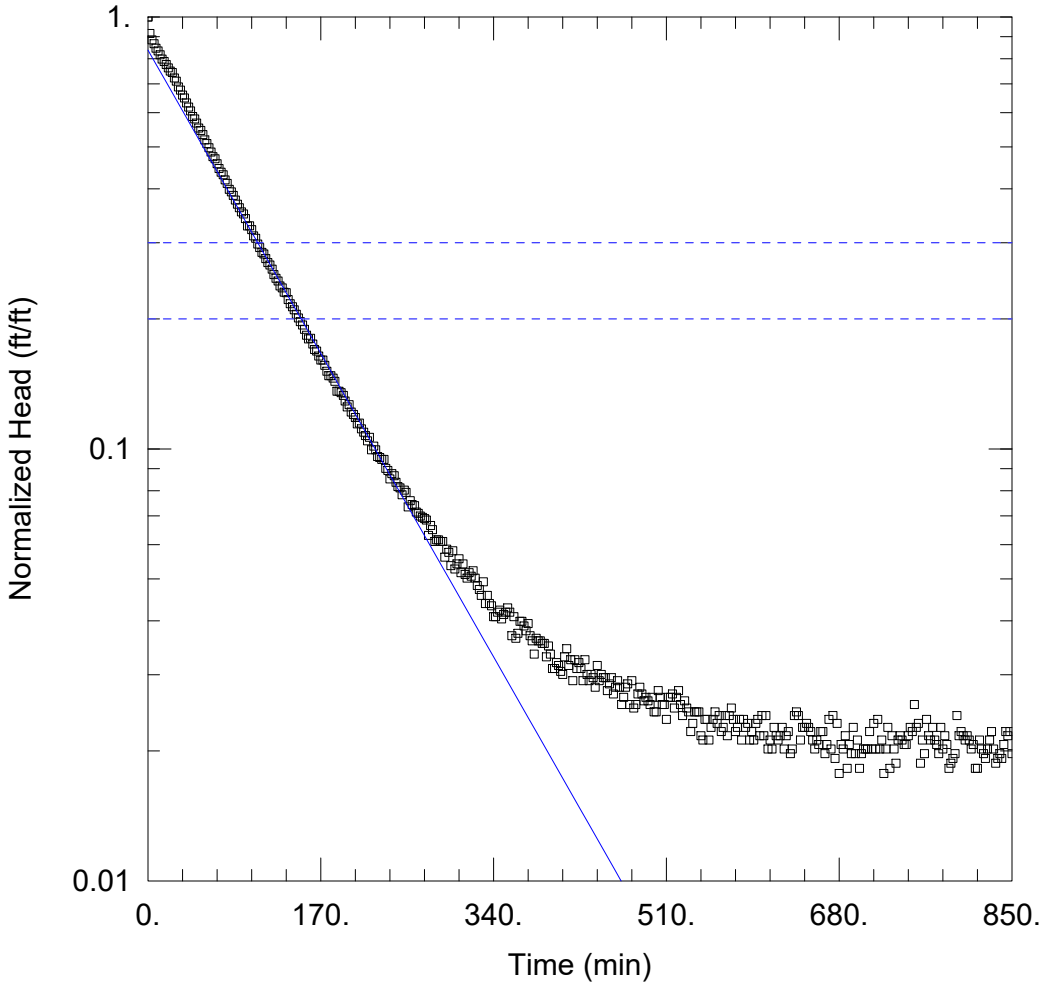
Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.252

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	2.418E-5	cm/sec
y0	1.5	ft

T = K*b = 0.02242 cm²/sec



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DWW-3.aqt
Date: 08/23/22 Time: 14:52:51

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: DWW-3
Test Date: 8/3/2022

AQUIFER DATA

Saturated Thickness: 49.98 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DWW-3)

Initial Displacement: 2.03 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.98 ft
Screen Length: 5. ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.127E-5 cm/sec
y0 = 1.701 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DWW-3.aqt
Date: 08/23/22
Time: 14:53:06

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/3/2022
Test Well: DWW-3

AQUIFER DATA

Saturated Thickness: 49.98 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: DWW-3

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 2.03 ft
Static Water Column Height: 49.98 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 5. ft
Total Well Penetration Depth: 90. ft

No. of Observations: 432

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	2.03	432.	0.061
2.	1.859	434.	0.059
4.	1.796	436.	0.061
6.	1.76	438.	0.06
8.	1.718	440.	0.057
10.	1.694	442.	0.064
12.	1.659	444.	0.059
14.	1.621	446.	0.061
16.	1.601	448.	0.06
18.	1.575	450.	0.06
20.	1.547	452.	0.056
22.	1.521	454.	0.058
24.	1.51	456.	0.06
26.	1.466	458.	0.055
28.	1.441	460.	0.057
30.	1.398	462.	0.059
32.	1.374	464.	0.057
34.	1.338	466.	0.052
36.	1.318	468.	0.054
38.	1.284	470.	0.057
40.	1.255	472.	0.058
42.	1.23	474.	0.052
44.	1.194	476.	0.059

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
46.	1.179	478.	0.051
48.	1.153	480.	0.052
50.	1.123	482.	0.055
52.01	1.108	484.	0.057
54.	1.084	486.	0.055
56.	1.054	488.	0.053
58.	1.034	490.	0.054
60.	1.011	492.	0.053
62.02	0.988	494.	0.052
64.	0.964	496.	0.054
66.	0.953	498.	0.05
68.	0.928	500.	0.05
70.	0.905	502.	0.056
72.05	0.887	504.	0.054
74.	0.875	506.	0.052
76.	0.852	508.	0.052
78.	0.836	510.	0.048
80.	0.81	512.	0.054
82.07	0.799	514.	0.054
84.	0.784	516.	0.055
86.	0.765	518.	0.051
88.	0.748	520.	0.054
90.	0.734	522.	0.056
92.08	0.718	524.	0.052
94.	0.71	526.	0.049
96.	0.693	528.	0.053
98.	0.666	530.	0.051
100.	0.667	532.	0.05
102.1	0.653	534.	0.045
104.	0.632	536.	0.047
106.	0.624	538.	0.05
108.	0.605	540.	0.05
110.	0.594	542.	0.05
112.1	0.579	544.	0.044
114.	0.574	546.	0.043
116.	0.56	548.	0.048
118.	0.548	550.	0.048
120.	0.541	552.	0.043
122.2	0.529	554.	0.046
124.	0.514	556.	0.048
126.	0.504	558.	0.05
128.	0.497	560.	0.047
130.	0.484	562.	0.049
132.2	0.479	564.	0.045
134.	0.468	566.	0.046
136.	0.467	568.	0.049
138.	0.45	570.	0.044
140.	0.44	572.	0.049
142.2	0.433	574.	0.051
144.	0.426	576.	0.048
146.	0.416	578.	0.045
148.	0.408	580.	0.046
150.	0.4	582.	0.048
152.2	0.393	584.	0.043
154.	0.384	586.	0.048
156.	0.372	588.	0.046
158.	0.365	590.	0.047
160.	0.366	592.	0.043
162.2	0.355	594.	0.045

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
164.	0.345	596.	0.043
166.	0.342	598.	0.047
168.	0.333	600.	0.048
170.	0.326	602.	0.044
172.2	0.326	604.	0.049
174.	0.317	606.	0.044
176.	0.307	608.	0.049
178.	0.3	610.	0.041
180.	0.3	612.	0.043
182.2	0.296	614.	0.041
184.	0.291	616.	0.046
186.	0.276	618.	0.044
188.	0.276	620.	0.043
190.	0.274	622.	0.044
192.2	0.27	624.	0.046
194.	0.262	626.	0.041
196.	0.254	628.	0.044
198.	0.257	630.	0.045
200.	0.247	632.	0.04
202.2	0.244	634.	0.041
204.	0.24	636.	0.049
206.	0.232	638.	0.05
208.	0.233	640.	0.049
210.	0.226	642.	0.043
212.2	0.222	644.	0.046
214.	0.218	646.	0.046
216.	0.212	648.	0.047
218.	0.216	650.	0.046
220.	0.202	652.	0.045
222.2	0.206	654.	0.043
224.	0.202	656.	0.041
226.	0.195	658.	0.043
228.	0.194	660.	0.042
230.	0.192	662.	0.045
232.3	0.192	664.	0.045
234.	0.183	666.	0.04
236.	0.181	668.	0.042
238.	0.173	670.	0.048
240.	0.178	672.	0.041
242.3	0.176	674.	0.049
244.	0.17	676.	0.039
246.	0.166	678.	0.047
248.	0.165	680.	0.036
250.	0.159	682.	0.042
252.3	0.163	684.	0.041
254.	0.161	686.	0.044
256.	0.149	688.	0.037
258.	0.154	690.	0.042
260.	0.151	692.	0.04
262.3	0.15	694.	0.046
264.	0.145	696.	0.04
266.	0.144	698.	0.043
268.	0.142	700.	0.037
270.	0.141	702.	0.04
272.3	0.14	704.	0.041
274.	0.139	706.	0.041
276.	0.128	708.	0.041
278.	0.135	710.	0.045
280.	0.132	712.	0.041

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
282.3	0.124	714.	0.047
284.	0.125	716.	0.041
286.	0.125	718.	0.048
288.	0.124	720.	0.041
290.	0.124	722.	0.043
292.	0.114	724.	0.036
294.	0.119	726.	0.041
296.	0.117	728.	0.046
298.	0.109	730.	0.037
300.	0.118	732.	0.044
302.	0.107	734.	0.041
304.	0.11	736.	0.038
306.	0.113	738.	0.043
308.	0.105	740.	0.044
310.	0.11	742.	0.043
312.	0.104	744.	0.042
314.	0.102	746.	0.042
316.	0.105	748.	0.044
318.	0.103	750.	0.046
320.	0.106	752.	0.045
322.	0.102	754.	0.052
324.	0.098	756.	0.046
326.	0.096	758.	0.047
328.	0.093	760.	0.038
330.	0.1	762.	0.043
332.	0.089	764.	0.04
334.	0.093	766.	0.048
336.	0.089	768.	0.044
338.	0.088	770.	0.043
340.	0.083	772.	0.046
342.	0.083	774.	0.043
344.	0.085	776.	0.042
346.	0.086	778.	0.04
348.	0.082	780.	0.046
350.	0.084	782.	0.041
352.	0.085	784.	0.044
354.	0.087	786.	0.042
356.	0.085	788.	0.037
358.	0.075	790.	0.038
360.	0.083	792.	0.039
362.	0.074	794.	0.04
364.	0.076	796.	0.049
366.	0.081	798.	0.044
368.	0.081	800.	0.045
370.	0.079	802.	0.044
372.	0.077	804.	0.043
374.	0.08	806.	0.044
376.	0.075	808.	0.043
378.	0.073	810.	0.041
380.	0.068	812.	0.042
382.	0.074	814.	0.037
384.	0.073	816.	0.037
386.	0.073	818.	0.043
388.	0.072	820.	0.041
390.	0.072	822.	0.04
392.	0.067	824.	0.039
394.	0.071	826.	0.041
396.	0.068	828.	0.043
398.	0.063	830.	0.045

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
400.	0.063	832.	0.041
402.	0.065	834.	0.038
404.	0.064	836.	0.039
406.	0.062	838.1	0.04
408.	0.061	840.	0.039
410.	0.067	842.	0.042
412.	0.07	844.	0.045
414.	0.064	846.	0.044
416.	0.066	848.1	0.045
418.	0.059	850.	0.04
420.	0.066	852.	0.042
422.	0.063	854.	0.037
424.	0.065	856.	0.042
426.	0.063	858.1	0.042
428.	0.059	860.	0.042
430.	0.066	862.	0.043

SOLUTION

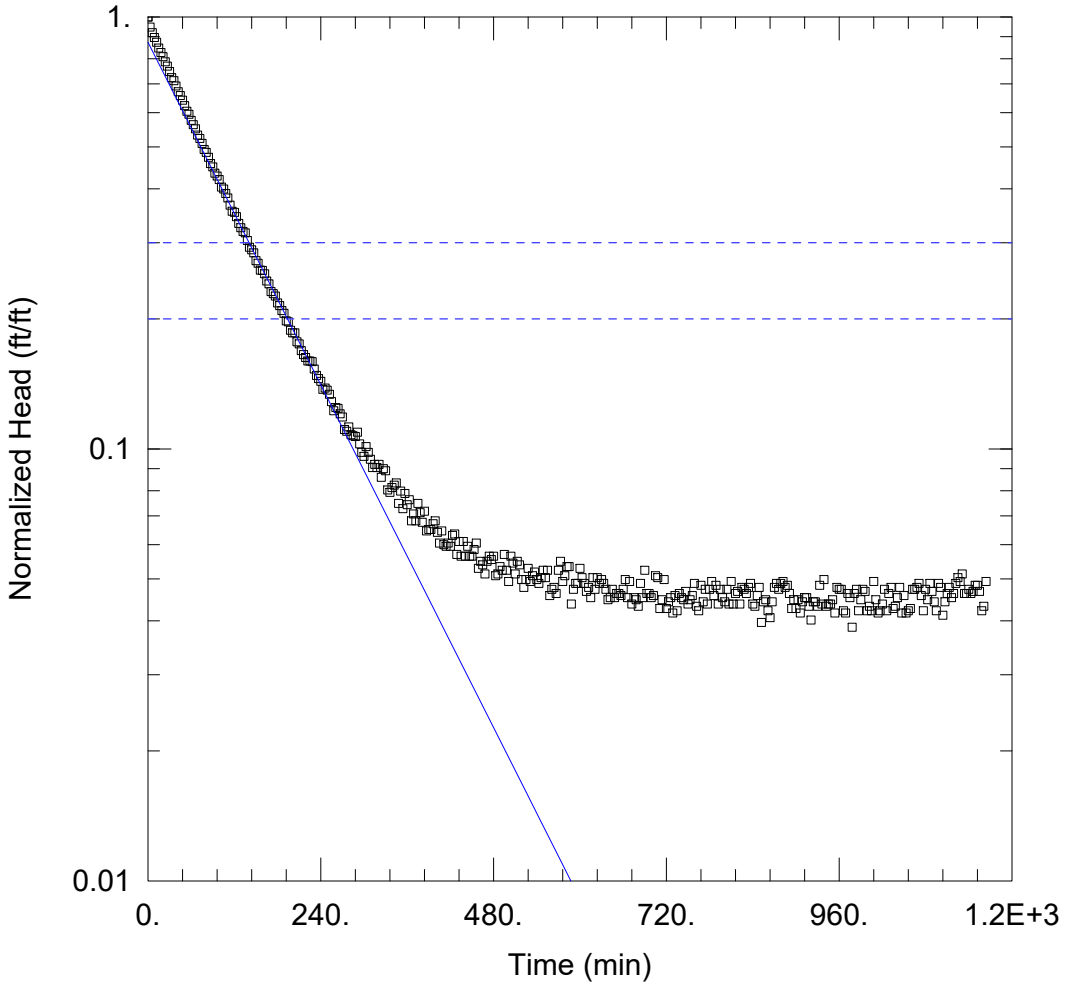
Slug Test
Aquifer Model: Confined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.385

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	1.127E-5	cm/sec
y0	1.701	ft

T = K*b = 0.01717 cm²/sec



WELL TEST ANALYSIS

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DWW-4.aqt
Date: 08/23/22 Time: 14:53:24

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Well: DWW-4
Test Date: 8/2/2022

AQUIFER DATA

Saturated Thickness: 50.77 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DWW-4)

Initial Displacement: 1.966 ft
Total Well Penetration Depth: 85. ft
Casing Radius: 0.083 ft
Static Water Column Height: 50.77 ft
Screen Length: 5. ft
Well Radius: 0.33 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 8.956E-6 cm/sec
y0 = 1.718 ft

Data Set: M:\active\21-7631\SlugTest\UST UNKNOWN\DWW-4.aqt
Date: 08/23/22
Time: 14:53:42

PROJECT INFORMATION

Company: MECI
Client: SCDHEC
Project: 21-7631
Location: Seneca
Test Date: 8/2/2022
Test Well: DWW-4

AQUIFER DATA

Saturated Thickness: 50.77 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: DWW-4

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.966 ft
Static Water Column Height: 50.77 ft
Casing Radius: 0.083 ft
Well Radius: 0.33 ft
Well Skin Radius: 0.33 ft
Screen Length: 5. ft
Total Well Penetration Depth: 85. ft

No. of Observations: 389

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.	1.966	585.	0.105
3.	1.863	588.	0.086
6.	1.807	591.	0.093
9.	1.762	594.	0.096
12.	1.718	597.	0.096
15.	1.666	600.	0.104
18.	1.626	603.	0.099
21.	1.59	606.	0.096
24.	1.548	609.	0.092
27.	1.513	612.	0.094
30.	1.469	615.	0.089
33.	1.423	618.	0.099
36.	1.399	621.	0.093
39.	1.361	624.	0.099
42.	1.32	627.	0.096
45.	1.293	630.	0.098
48.	1.261	633.	0.096
51.	1.225	636.	0.093
54.	1.189	639.	0.088
57.	1.17	642.	0.089
60.	1.133	645.	0.093
63.	1.107	648.	0.089
66.	1.083	651.	0.091

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
69.	1.047	654.	0.091
72.	1.029	657.	0.09
75.17	1.002	660.	0.093
78.	0.97	663.	0.098
81.	0.955	666.	0.089
84.	0.93	669.	0.097
87.	0.9	672.	0.086
90.2	0.884	675.	0.089
93.	0.855	678.	0.088
96.	0.842	681.	0.085
99.	0.826	684.	0.096
102.	0.794	687.	0.089
105.2	0.786	690.	0.103
108.	0.767	693.	0.091
111.	0.749	696.	0.091
114.	0.721	699.	0.089
117.	0.698	702.	0.09
120.3	0.694	705.	0.1
123.	0.678	708.	0.099
126.	0.654	711.1	0.084
129.	0.639	714.	0.088
132.	0.627	717.	0.098
135.3	0.622	720.	0.084
138.	0.597	723.	0.087
141.	0.576	726.1	0.089
144.	0.568	729.	0.082
147.	0.559	732.	0.09
150.	0.536	735.	0.083
153.	0.529	738.	0.091
156.	0.51	741.1	0.089
159.	0.509	744.	0.088
162.	0.5	747.	0.092
165.	0.481	750.	0.086
168.	0.474	753.	0.088
171.	0.455	756.1	0.09
174.	0.45	759.	0.096
177.	0.444	762.	0.085
180.	0.428	765.	0.083
183.	0.422	768.	0.095
186.	0.411	771.2	0.087
189.	0.405	774.	0.093
192.	0.389	777.	0.086
195.	0.387	780.	0.093
198.	0.37	783.	0.097
201.	0.365	786.2	0.09
204.	0.365	789.	0.095
207.	0.348	792.	0.086
210.	0.344	795.	0.093
213.	0.332	798.	0.089
216.	0.325	801.2	0.087
219.	0.32	804.	0.093
222.	0.314	807.	0.086
225.	0.314	810.	0.097
228.	0.313	813.	0.086
231.	0.301	816.2	0.091
234.	0.291	819.	0.092
237.	0.286	822.	0.086
240.	0.282	825.	0.094
243.	0.27	828.	0.093

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
246.	0.272	831.3	0.091
249.	0.269	834.	0.094
252.	0.263	837.	0.096
255.	0.253	840.	0.086
258.	0.241	843.	0.085
261.	0.245	846.3	0.09
264.	0.244	849.	0.094
267.	0.237	852.	0.078
270.	0.233	855.	0.087
273.	0.218	858.	0.088
276.	0.216	861.3	0.083
279.	0.221	864.	0.08
282.	0.212	867.	0.087
285.	0.211	870.	0.094
288.	0.21	873.	0.096
291.	0.215	876.	0.093
294.	0.202	879.	0.096
297.	0.193	882.	0.097
300.	0.189	885.	0.094
303.	0.199	888.	0.095
306.	0.193	891.	0.091
309.	0.186	894.	0.084
312.	0.178	897.	0.088
315.	0.181	900.	0.084
318.	0.178	903.	0.088
321.	0.181	906.	0.082
324.	0.169	909.	0.087
327.	0.177	912.	0.089
330.	0.175	915.	0.089
333.	0.158	918.	0.085
336.	0.156	921.	0.079
339.	0.16	924.	0.087
342.	0.162	927.	0.087
345.	0.164	930.	0.085
348.	0.147	933.	0.095
351.	0.157	936.	0.086
354.	0.143	939.	0.098
357.	0.155	942.	0.085
360.	0.146	945.	0.086
363.	0.15	948.	0.086
366.	0.134	951.	0.088
369.	0.139	954.	0.082
372.	0.134	957.	0.094
375.	0.147	960.	0.093
378.	0.14	963.	0.093
381.	0.133	966.	0.083
384.	0.141	969.	0.082
387.	0.127	972.	0.091
390.	0.128	975.	0.089
393.	0.128	978.	0.076
396.	0.132	981.	0.091
399.	0.134	984.	0.093
402.	0.126	987.	0.083
405.	0.119	990.	0.088
408.	0.127	993.	0.093
411.	0.118	996.	0.092
414.	0.117	999.	0.083
417.	0.119	1002.	0.085
420.	0.117	1005.	0.083

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
423.	0.124	1008.	0.097
426.	0.125	1011.	0.088
429.	0.112	1014.	0.082
432.	0.12	1017.	0.083
435.	0.111	1020.	0.086
438.	0.12	1023.	0.093
441.	0.111	1026.	0.083
444.	0.117	1029.	0.091
447.	0.111	1032.	0.094
450.	0.111	1035.	0.084
453.	0.115	1038.	0.085
456.	0.119	1041.	0.089
459.	0.104	1044.	0.094
462.	0.108	1047.	0.082
465.	0.106	1050.	0.09
468.	0.101	1053.	0.082
471.	0.108	1056.	0.083
474.	0.111	1059.	0.084
477.	0.109	1062.	0.093
480.	0.111	1065.	0.093
483.	0.1	1068.	0.094
486.	0.101	1071.	0.096
489.	0.105	1074.	0.09
492.	0.103	1077.	0.083
495.	0.112	1080.	0.093
498.	0.103	1083.	0.088
501.	0.097	1086.	0.096
504.	0.111	1089.	0.092
507.	0.107	1092.	0.087
510.	0.101	1095.	0.083
513.	0.108	1098.	0.096
516.	0.106	1101.	0.094
519.	0.098	1104.	0.081
522.	0.094	1107.	0.087
525.	0.098	1110.	0.091
528.	0.104	1113.	0.094
531.	0.097	1116.	0.089
534.	0.1	1119.	0.091
537.	0.102	1122.	0.096
540.	0.098	1125.	0.099
543.	0.096	1128.	0.097
546.	0.099	1131.	0.101
549.	0.103	1134.	0.091
552.	0.099	1137.	0.091
555.	0.103	1140.	0.093
558.	0.09	1143.	0.091
561.	0.093	1146.	0.092
564.	0.094	1149.	0.095
567.	0.091	1152.	0.095
570.	0.103	1155.	0.092
573.	0.108	1158.	0.083
576.	0.097	1161.	0.085
579.	0.1	1164.	0.097
582.	0.105		

SOLUTION

Slug Test
Aquifer Model: Confined

Solution Method: Bouwer-Rice
ln(Re/rw): 3.362

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	8.956E-6	cm/sec
y0	1.718	ft

T = K*b = 0.01386 cm²/sec

APPENDIX G:

DISPOSAL MANIFEST

Midlands Environmental Consultants, Inc.

August 23, 2022

Re: Treatment of Purge Water
UST – Unknown 14324
Seneca, South Carolina
SCDHEC UST Site ID Number 14324
MECI Project Number 21-7631

To Whom it May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.

2. No free-product was detected in any of the purge water drums.

3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.

4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.

5. Record of usage is maintained by Contractor.

6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.

7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 80 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

81.0 Gallons of development water were treated on July 21, 2022 at the referenced site.

347.5 Gallons of Purge water were treated on August 2-3, 2022 at the referenced site.

A total of 428.5 Gallons were treated during the Tier II Assessment.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

GREENVILLE COUNTY SOLID WASTE
TWIN CHIMNEYS LANDFILL
11075 Augusta Road
Honea Path, SC 29654

Weighed: Nick
Deposit: Nick
BILL TO: 639
Midlands Environmental Consult
PO Box 854
Lexington SC 29073

Vehicle ID:
Reference: SW00169
Grid: CLASS 3-4
PO#: MIDLANDS ENVIRONMENTAL

Origin: LEXINGTON COUNTY
DATE IN: 07/15/2022 TIME IN: 13:23:39
DATE OUT: 07/15/2022 TIME OUT: 13:43:41

INBOUND TICKET Number: 04-00676834

SCALE 2 GROSS WT.	21440	LB
SCALE 7 TARE WT.	11060	LB
NET WEIGHT	10380	LB

Qty	Description	Amount
5.19	Manufacturing Waste	155.70

TICKET AMOUNT: 155.70

X_____

GREENVILLE COUNTY SOLID WASTE
TWIN CHIMNEYS LANDFILL
11075 Augusta Road
Honea Path, SC 29654

Weighed: Nick
Deposit: Nick
BILL TO: 639
Midlands Environmental Consult
PO Box 854
Lexington SC 29073

Vehicle ID:
Reference: SW00169
Grid: CLASS 3-4
PO#: MIDLANDS ENVIRONMENTAL

Origin: GREENVILLE COUNTY
DATE IN: 07/14/2022 TIME IN: 16:23:29
DATE OUT: 07/14/2022 TIME OUT: 16:31:56

INBOUND TICKET Number: 04-00676722

SCALE 2 GROSS WT.	17740	LB
SCALE 7 TARE WT.	11040	LB
NET WEIGHT	6700	LB

Qty	Description	Amount
3.35	Manufacturing Waste	100.50

TICKET AMOUNT: 100.50

X_____

GREENVILLE COUNTY SOLID WASTE
TWIN CHIMNEYS LANDFILL
11075 Augusta Road
Honea Path, SC 29654

Weighed: Nick
Deposit: Nick
BILL TO: 639
Midlands Environmental Consult
PO Box 854
Lexington SC 29073

Vehicle ID:
Reference: SW00169
Grid: CLASS 3-4
PO#: MIDLANDS ENVIRONMENTAL
Job Name: WHITE

Origin: OCONEE COUNTY
DATE IN: 07/13/2022 TIME IN: 16:25:52
DATE OUT: 07/13/2022 TIME OUT: 16:35:17

INBOUND TICKET Number: 04-00676552

SCALE 2 GROSS WT.	16260	LB
SCALE 7 TARE WT.	10940	LB
NET WEIGHT	5320	LB

Qty	Description	Amount
2.66	Manufacturing Waste	79.80

TICKET AMOUNT: 79.80

X_____

APPENDIX H:

LOCAL ZONING REGULATIONS

(Not Applicable)

APPENDIX I:

FATE AND TRANSPORT MODELING

(Not Applicable)

APPENDIX J:

ACCESS AGREEMENTS

Midlands
Environmental
Consultants, Inc.

PERMISSION TO ENTER PROPERTY

I, Randy Cortee, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant Midlands Environmental Consultants, Inc.(MECI), and its agents, employees and subcontractors, and assigns the right to enter upon the property located at 515 E North 1st Street (Oconee County Tax Map Number 520-30-02-010) for the purpose of performing an environmental assessment, as directed by SCDHEC which will include the following categories of work:

- Direct push field screening;
- Possible Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months;
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time, the property owner may contact MECI if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of MECI making reasonable restoration to the property resulting from MECI activities on the property.

Consented to giving access:

Randy Cortee 5-5-22
Property Owner's ~~Signature~~ Date

Daytime Phone# 864-882-3343

Randy Cortee 5-5-22
Printed Name Date

Evening Phone#_____

Trevor Brown 5/5/22
MECI Representative Date

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

Midlands Environmental Consultants, Inc.

RECEIVED
AUG 0 2 2021
BY:

PERMISSION TO ENTER PROPERTY

I, Wayne Grady Brenda B. Grady, hereby certify that I am the owner of record or otherwise have the legal right to grant entry and access to the property for the purpose described below ("Owner") and do hereby grant Midlands Environmental Consultants, Inc.(MECI), and its agents, employees and subcontractors, and assigns the right to enter upon the property located at 430 E North 5th Street (Oconee County Tax Map Number 520-24-04-022) for the purpose of performing an environmental assessment, as directed by SCDHEC which will include the following categories of work:

- Direct push field screening;
- Possible Installation of groundwater monitoring well(s);
- Measuring depth to groundwater, about once every three months;
- Collection of groundwater samples, about once every three months;
- Maintenance of the monitoring well(s).

Access to the monitoring well will be needed for a time period not likely to exceed three to five years after well installation has been completed. The property owner will be notified at least 48 hours in advance of any planned activities on the property. At any time, the property owner may contact MECI if there are any questions or concerns about work performed on the property.

The Permission to Enter Property is effective upon execution of this document.

This Permission to Enter Property is granted with consideration of MECI making reasonable restoration to the property resulting from MECI activities on the property.

Consented to giving access:

Wayne Grady
Brenda B. Grady 7/26/21 Daytime Phone# 864-882-0595
Property Owner's Signature Date

Wayne Grady
Brenda G. Grady 7/26/21 Evening Phone# 864-882-0595
Printed Name Date

MECI Representative Date

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

APPENDIX K:

DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	X		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?	X		
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?	X		
17	Has the method of well development been detailed?	X		
18	Has justification been provided for the locations of the monitoring wells?	X		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? (Table 2 & Figure 4/4A/4B)	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?	X		
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format?			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format? (Table 1)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)	X		
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figures 3, 3A, 3B)	X		
40	Has the site potentiometric map been provided? (Figure 4, 4A, 4B)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)	X		
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)	X		
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)	X		
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)	X		
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		

APPENDIX L:

DETAILED RECEPTOR INFORMATION/SITE PHOTOS



Permit#-Receptor Name: (14324-SW01)
Parcel ID: 520-24-04-022
Property Owner Name: Wayne & Brenda Frady
Property Owner Address: 430 E North 5th Street, Seneca, SC 29678
SW Details: Sample collected from creek located approximately 900' north/northeast of the site. GPS- 34.689108, -82.946114



Permit#-Receptor Name: (14324-SW02)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 750' north/northeast of the site. GPS- 34.688505, -82.945634



Permit#-Receptor Name: (14324-SW03)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 650' northeast of the site. GPS- 34.688169, -82.945495



Permit#-Receptor Name: (14324-SW04)
Parcel ID: 520-30-02-006
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 600' east of the site. GPS- 34.687784, -82.945225

dhec
Healthy People. Healthy Communities.



BETTY LATHEM – TRUSTEE
2 W WASHING STREET STE 1100
GREENVILLE SC 29601

MAR 14 2023

Re: **Site Specific Work Plan Request for Groundwater Sampling**
UST – Unknown 14324, 519 E 1st Street, Seneca, SC
UST Permit #14324
Release reported December 30, 1991
Assessment Report received September 2, 2023
Oconee County

To Whom It May Concern :

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

Your selected contractor has proposed groundwater sampling as the next appropriate scope of work. To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, submittal of the Site Specific Work Plan (SSWP) for groundwater sampling may proceed. All work must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. Only wells with screens that do not bracket the water table should be purged prior to sampling.

Your contractor must complete the SSWP and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2622, by fax at (803) 898-0673, or by email at chonkogh@dhec.sc.gov.

Sincerely,

Greg Chonko, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Midlands Environmental Consultants Inc., PO Box 854, Lexington, SC 29071
Technical file

Midlands
Environmental
Consultants, Inc.

March 30, 2023

RECEIVED
MAR 31 2023
UST DIVISION

RECEIVED
MAR 31 2023
SC Department of
Health & Environmental Control

UST
82
DOCKETING

Mr. Greg Chonko, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Site-Specific Work Plan
Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324
MECI Project Number 23-8089
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Chonko,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On March 27, 2023, MECI personnel performed a site visit to the subject sites to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Lindsay C. McGee
Staff Hydrogeologist

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

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

To: Mr. Greg Chonko (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Unknown 14324 UST Permit #: 14324
Facility Address: 519 E 1st Street, Seneca, SC 29678
Responsible Party: Betty Lathem- Trustee Phone: 864-288-6480
RP Address: 2 West Washington Street, Suite 1100, Greenville, SC 29601
Property Owner (if different): Gary Alexander
Property Owner Address: 414 Edgewater Drive, Westminster, SC 29693
Current Use of Property: Maintenance Shop/ Abandoned Lot

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☑ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☑ BTEXNMDCA (8260B) ☐ Lead ☐ BOD ☐ Methane
☑ Oxygenates (8260B) ☐ 8 RCRA Metals ☐ Nitrate ☐ Ethanol
☑ EDB (8011) ☐ TPH ☐ Sulfate ☐ Dissolved Iron
☐ PAH (8270D) ☐ pH ☐ Other _____

Drinking Water Supply Wells:

☐ BTEXNMDCA (524.2) ☐ Mecury (200.8 245.1 or 245.2) ☐ EDB (504.1)
☐ Oxygenates & Ethanol (8260B) ☐ RCRA Metals (200.8)

Soil:

☐ BTEXNM ☐ Lead ☐ RCRA Metals ☐ TPH-DRO (3550B/8015B) ☑ Grain Size
☐ PAH ☐ Oil & Grease (9071) ☐ TPH-GRO (5030B/8015B) ☐ TOC

Air:

☐ BTEXN

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

_____ Soil _____ Water Supply Wells _____ Air 1 Field Blank
38 Monitoring Wells 4 Surface Water 3 Duplicate 2 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 #: 14324 Facility Name: Unknown 14324

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 3/30/2023 Field Work Completion: 4/30/2023
Report Submittal: 5/30/2023 # of Copies Provided to Property Owners: _____

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

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: 500.0 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/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the initial site visit, all monitoring wells except MW-24, MW-30, and DW-3 were unable to be located. If these wells are located during sampling activities, they will be sampled accordingly.

-Only wells which do not bract the water table will be purged prior to sample collection.

-MECI is requesting pre-approval to gauged up to eight monitoring wells due to historical product and pre-approval to sample up to four surface water locations.

-MECI is requesting pre-approval to sample DDW-1 utilizing Hydrasleeves passive samplers from 5 discrete intervals (83.5', 92.5', 102.5', 112.5' & 119.5').

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

None 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
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

dhec
Healthy People. Healthy Communities.

ASSESSMENT COMPONENT INVOICE
South Carolina
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
March 30, 2023

Facility Name: UST-Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** Proposal

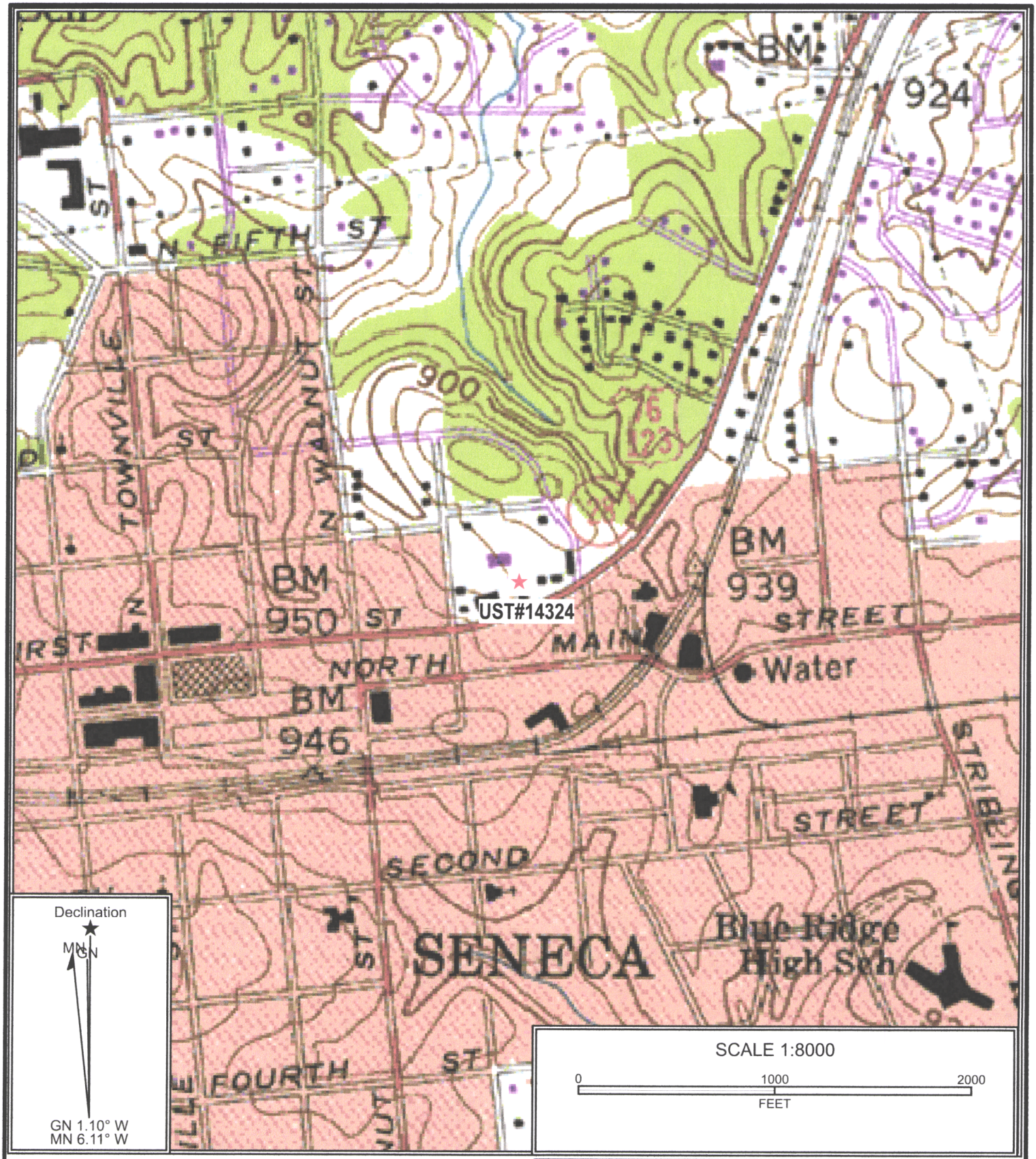
ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.1 Site-specific Work Plan	1	each	$169.65		$169.65
2.1 Tax Map		each	$79.17		$0.00
3.1 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey *					
1. Receptor Survey		each	$623.20		$0.00
C. Survey					
1.1 Comprehensive Survey		each	$1,176.26		$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	$1,029.23		$0.00
D. Mob/Demob					
1.1 Equipment		each	$1,153.64		$0.00
2.1 Personnel	3	each	$478.42		$1,435.26
3.1 Adverse Terrain Vehicle		each	$565.51		$0.00
E. Soil Borings*					
1. Soil Borings (hand auger)		foot	$5.66		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.1 Standard		per foot	$16.97		$0.00
2.1 Fractured Rock		per foot	$21.84		$0.00
G.					
H. Well Abandonment (does not include Field Screening)*					
1.1 2" diameter or less		per foot	$3.51		$0.00
2.1 Greater than 2" to 6" diameter		per foot	$5.09		$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	$16.96		$0.00
I. Well Installation (In accordance with R.61-71)*					
1.1 Water Table (hand augered)		per foot	$11.99		$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	$42.98		$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$43.46		$0.00
3.1 Telescoping		per foot	$56.55		$0.00
4.1 Rock Drilling		per foot	$65.60		$0.00
5.1 2" Rock Coring		per foot	$34.95		$0.00
6.1 Multi-sampling ports/screens		per foot	$37.78		$0.00
7.1 Recovery Well (4" diameter)		per foot	$50.90		$0.00
9.1 Rotosonic (2" diameter)		per foot	$49.77		$0.00
10.1 Re-develop Existing Well		per foot	$12.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.1 Groundwater Purge	11	per well	$67.86		$746.46
2.1 Air or Vapors		sample	$13.57		$0.00
3.1 Water Supply Sample		sample	$24.88		$0.00
4.1 HydraSleeve	5	sample	$53.00		$265.00
4.2A No-purge Groundwater Sample/Surface water	31	sample	$31.67		$981.77
5.1 Gauge Well only	8	sample	$7.92		$63.36
6.1 Sample Below Product		sample	$13.57		$0.00
7.1 Passive Diffusion Bag		sample	$29.40		$0.00
8.1 Field Duplicates (MWs & WSWs) and Field Blanks	3	sample	$27.83		$83.49
9.1 Groundwater (low flow purge)		sample	$102.93		$0.00
10.1 Equipment Blank		sample	$27.83		$0.00
11. Sample Product		per well	$48.76		$0.00

K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	52	per sample	$137.98		$7,174.96
2.1 Lead, Filtered		per sample	$15.60		$0.00
3.1 Rush EPA Method 8260B		per sample	$173.72		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$31.67		$0.00
5.1 PAH's		per sample	$68.54		$0.00
6.1 Lead		per sample	$18.09		$0.00
7.1 EDB by EPA 8011	50	per sample	$51.12		$2,556.00
8.1 EDB by EPA Method 8011 Rush		per sample	$77.14		$0.00
9.1 8 RCRA Metals		per sample	$71.71		$0.00
10.1 TPH (9070)		per sample	$46.38		$0.00
11.1 PH		per sample	$5.88		$0.00
12.1 BOD		per sample	$22.62		$0.00
13.1 Ethanol		per sample	$16.74		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)		per sample	$140.30		$0.00
15.1 7-OXYGENATES & ETHANOL (8260D)		per sample	$103.77		$0.00
16.1 EDB (504.1)		per sample	$89.92		$0.00
17.1 RCRA METALS (200.8)		per sample	$113.10		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$72.39		$0.00
19.1 PAH's		per sample	$72.43		$0.00
20.1 8 RCRA Metals		per sample	$63.79		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$45.24		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$40.67		$0.00
23.1 Grain size/hydrometer		per sample	$117.63		$0.00
24.1 Total Organic Carbon		per sample	$34.61		$0.00
K. Analyses-Air					
25.1 BTEX + Naphthalene		per sample	$244.30		$0.00
K. Hydrocarbon Fuel Identification					$0.00
27. C3-C44 Whole Oil (ASTM D3328)		per sample	$431.42		$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	$368.88		$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	$368.88		$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	$583.00		$0.00
31. Simulated Distillation (ASTM 2887)		per sample	$368.88		$0.00
32. Parent & Alk. PAH Com. (8270 SIM)		per sample	$670.03		$0.00
33. C3-C10 Piano (8260 MOD)		per sample	$555.44		$0.00
34. C10+Alkane Fingerprints		per sample	$555.44		$0.00
35. Expert Data Interpretation & Report		each	$551.20		$0.00
L. Aquifer Characterization*					
1.1 Pumping Test		per hour	$26.01		$0.00
2.1 Slug Test		per test	$216.03		$0.00
3.1 Fractured Rock		per test	$113.10		$0.00
M. Free Product *					
1. Free Product Recovery Rate Test		each	$42.98		$0.00
N.					

O. Risk Evaluation					
1.1 Tier I Risk Evaluation		each	$339.31		$0.00
2.1 Tier II Risk Evaluation		each	$113.10		$0.00
P. Survey*					
1. Subsequent Survey		each	$275.60		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater	500	gallon	$0.64		$320.00
2.1 Free Product		gallon	$0.56		$0.00
3.1 Soil Treatment/Disposal		ton	$67.86		$0.00
4.1 Drilling fluids		gallon	$0.48		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.1 Southeast Region		standard	$11,687.56		$0.00
2.1 All Other Counties		standard	$12,818.58		$0.00
U. IGWA (Use DHEC 3666 form)					
1.1 Southeast Region		standard	$4,031.18		$0.00
2.1 All Other Counties		standard	$4,370.38		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,655.00		$0.00
2. 24-hour Event*		per event	$4,081.28		$0.00
3. 48-hour Event*		per event	$6,706.10		$0.00
4. 96-hour Event*		per event	$13,409.52		$0.00
5. Off-gas Treatment 8 hour		per event	$130.71		$0.00
6.1 Off-gas Treatment 24 hour		per event	$272.50		$0.00
7.1 Off-gas Treatment 48 hour		per event	$357.50		$0.00
8. Off-gas Treatment 96 hour		per event	$832.26		$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$430.00		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$500.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,000.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,000.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.59		$0.00
14.1 AFVR Site Reconnaissance		each	$280.00		$0.00
15. Additional Hook-ups		each	$27.48		$0.00
16.1 AFVR Effluent Disposal		gallon	$0.49		$0.00
17.1 AFVR Mobilization/Demobilization		each	$720.00		$0.00
18. Mobilization for absorbents/skimmers		each	$531.25		$0.00
19. Well sock 2" ID well		each	$34.20		$0.00
20. Well sock 4" ID well		each	$45.40		$0.00
21. pad (per pad)		each	$46.25		$0.00
22. 3" diameter x 10' length boom		each	$100.00		$0.00
23. 5" diameter x 10' length boom		each	$123.00		$0.00
24. New FPP recovery skimmer (2" wells)		each	$732.50		$0.00
25. New FPP recovery skimmer (4" wells)		each	$1,155.00		$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	$704.00		$0.00
27. Disposal of Absorbents		pound	$3.80		$0.00
28. Disposal of product from skimmers		gallon	$0.46		$0.00

X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.1 New GAC System Installation*		each	$2,148.94		$0.00
2.1 Refurbished GAC Sys. Install*		each	$1,017.92		$0.00
3.1 Filter replacement/removal*		each	$395.86		$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	$311.04		$0.00
5.1 GAC System housing*		each	$282.76		$0.00
6.1 In-line particulate filter		each	$169.65		$0.00
7.1 Additional piping & fittings		foot	$1.70		$0.00
Y. Well Repair					
1.1 Additional Copies of the Report Delivered	2	each	$56.55		$113.10
2.1 Repair 2x2 MW pad*		each	$56.55		$0.00
3.1 Repair 4x4 MW pad*		each	$99.53		$0.00
4.1 Replace well vault*		each	$133.46		$0.00
5.1 Replace well cover bolts		each	$2.94		$0.00
6.1 Replace locking well cap & lock		each	$16.96		$0.00
7.1 Replace/Repair stick-up*		each	$151.56		$0.00
8.1 Convert Flush-mount to Stick-up*		each	$169.65		$0.00
9.1 Convert Stick-up to Flush-mount*		each	$147.03		$0.00
10.1 Replace missing/illegible well ID plate		each	$13.57		$0.00
11. Down-hole Camera		per foot	$27.08		$0.00
Z. High Resolution Site Characterization					
1. HRSC Screening Equipment Mobilization		each	$1,360.00		$0.00
2. HRSC Drilling Category 1		per foot	$29.00		$0.00
3. HRSC Drilling Category 2		per foot	$33.50		$0.00
4. HRSC Drilling Category 3		per foot	$27.00		$0.00
5. HRSC 3-D Model		each	$4,040.00		$0.00
S. Report Prep & Project Management	12%	percent	$13,909.05		$1,669.09
TOTAL					$15,578.14

DHEC D-4293 (06/2022) *The appropriate mobilization cost can be added to complete these tasks, as necessary



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

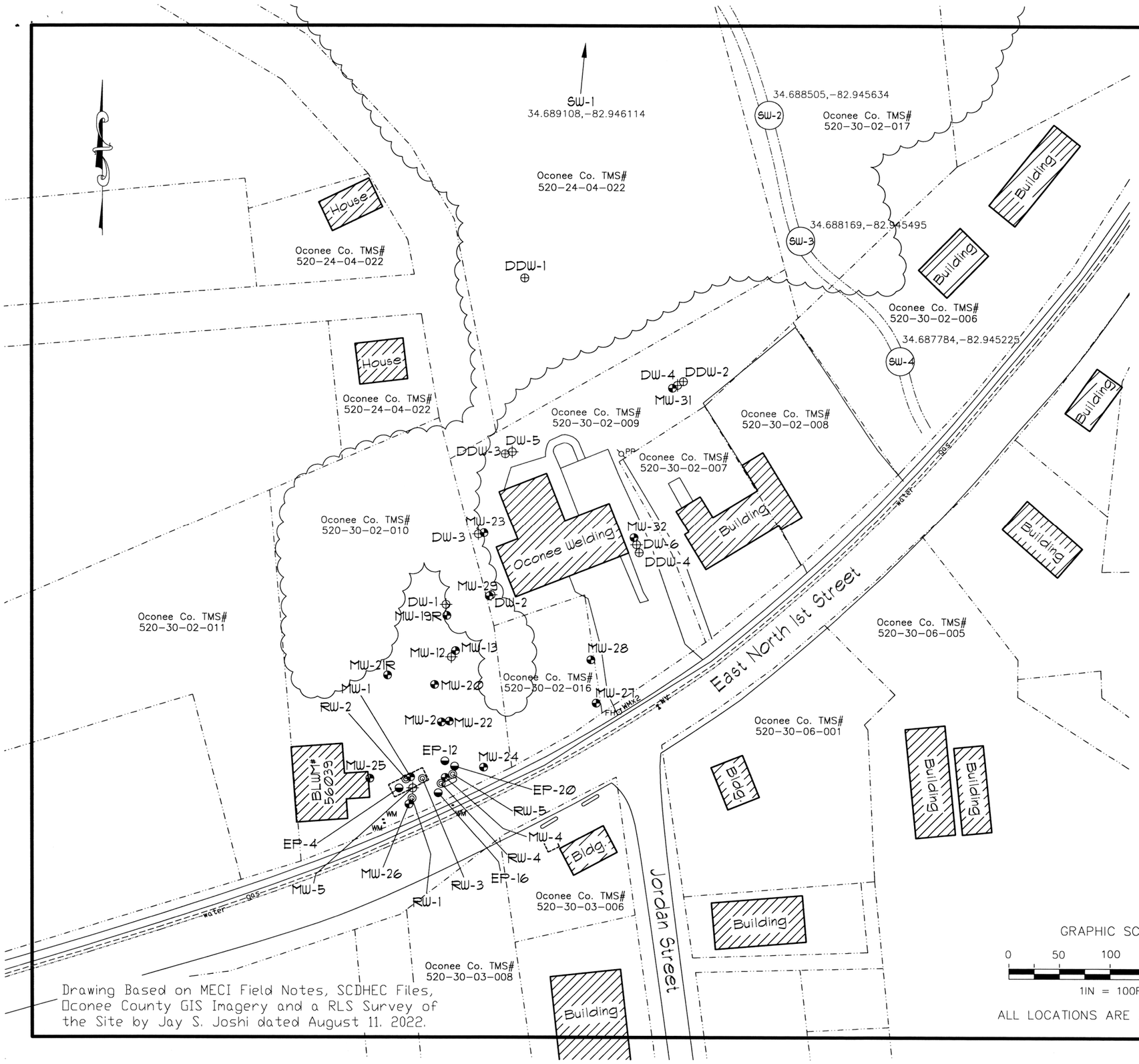
Midlands Environmental Consultants, Inc.

Site Location

UST-Unknown #14324
519 East North 1st Street, Seneca, SC
UST Permit# 14324

Figure 1

MECI 23-8089



Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-Inch Extraction Point
- Location of 4-Inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas Buried Gas Line
- water Buried Water Line

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089
DATE March 31, 2023
FIGURE 2

dhec
Healthy People. Healthy Communities.

BETTY LATHEM – TRUSTEE
2 W WASHING STREET
SUITE 1100
GREENVILLE SC 29601

APR 11 2023

UST 83 Week DOCKETING

Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
UST Unknown 14324, 519 E N 1st St, Seneca, SC
UST Permit #14324; CA #66983
Release #1 reported December 30, 1991
Site Specific Work Plan received March 31, 2023
Oconee County

To Whom It May Concern :

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $362,814.78 has been expended from the SUPERB Account to date.** This scope of work, as recommended by your contractor, is anticipated to cost approximately $15,578.14.

Please note the following changes to the cost agreement and SSWP:

- DDW-1 has been approved for Hydrasleeve samplers at 5 intervals (83.5', 92.5', 102.5', 112.5', & 119.5')

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

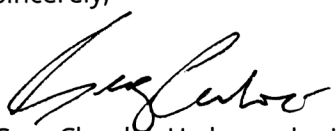
Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2622, by fax at (803) 898-0673, or by email at chonkogh@dhec.sc.gov.

Sincerely,



Greg Chonko, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

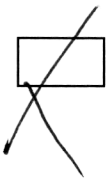
cc: Midlands Environmental Consultants, Inc., PO Box 854, Lexington, SC 29071 (w/ enc)
Technical file (w/ enc)

Approved Cost Agreement 66983

Facility: 14324 UST - UNKNOWN 14324
CHONKOGH
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION						
		1.1	SITE SPECIFIC WORK PLAN	1.0000	$169.650	169.65
D MOB/DEMOB						
		2.1	PERSONNEL	3.0000	$478.420	1,435.26
J SAMPLE COLLECTION						
		1.1	GROUND WATER PURGE	11.0000	$67.860	746.46
		4.1	HYDRASLEEVE	5.0000	$53.000	265.00
		4.2A	NO-PURGE GW SAMPLE/SURFACE	31.0000	$31.670	981.77
		5.1	GAUGE WELL ONLY	8.0000	$7.920	63.36
		8.1	FIELD DUPL. (MWS & WSWS) & FB	3.0000	$27.830	83.49
K ANALYSES						
	GW GROUNDWATER	1.1	BTEXNM+OXYGS+1,2 DCA+ETH-8260D	52.0000	$137.980	7,174.96
		7.1	EDB BY EPA 8011	50.0000	$51.120	2,556.00
Q DISPOSAL						
		1.1	WASTEWATER	500.0000	$0.640	320.00
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	$13,909.050	1,669.09
Y WELL REPAIR						
		1.1	ADDITIONAL COPIES OF REPORT	2.0000	$56.550	113.10
				Total Amount		15,578.14

Document Receipt Information

 **Hard Copy**  **CD**

Date Received 5-23-23

Permit Number 14324

Project Manager Greg Chonko

Name of Contractor MECI

Docket Title Monitoring Report

Document Number 84 Check

Scanned _____

MONITORING REPORT

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324
CA # 66983

Prepared By:

Midlands Environmental Consultants, Inc.
231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

May 9, 2023

MECI Project No. 23-8089

Midlands Environmental Consultants, Inc.

May 9, 2023

Mr. Greg Chonko, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land & Waste Management
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Monitoring Report
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324, CA# 66983
MECI Project Number 23-8089
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Chonko,

On behalf of Ms. Betty Lathem (Trustee), Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Monitoring Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

SOUTH CAROLINA REGISTERED PROFESSIONAL GEOLOGIST No. 1102 BRYAN T. SHANE

Bryan T. Shane, P.G.
Principal Geologist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

Cc:

Oconee Welding Supply, Inc., 601 E North 1ST Street, Seneca, SC 29678
Wayne & Brenda Frady, 430 E North 5TH Street, Seneca, SC 29678

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

2.0 RECEPTOR SURVEY & SITE DATA **2**

3.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES **4**

4.0 ANALYTICAL RESULTS **6**

5.0 MONITORING SUMMARY **7**

6.0 COMMENTS & RECOMMENDATIONS **8**

7.0 QUALIFICATIONS OF REPORT **9**

TABLE OF CONTENTS (cont.)

TABLES: Table 1 – GROUNDWATER COC CONCENTRATION DATA
Table 2 – POTENTIOMETRIC DATA
Table 3 – AQUIFER CHARACTERISTICS

FIGURES: Figure 1 – TOPOGRAPHIC MAP
Figure 2 – SITE BASE MAP
Figure 3 – GROUNDWATER COC SITE MAP
Figure 3A – GROUNDWATER COC SITE MAP (Oxygenates)
Figure 4 – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Shallow" Zone)
Figure 4A – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Intermediate" Zone)
Figure 4B – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Deep" Zone)

**APPENDIX A – SITE SURVEY
APPENDIX B – SAMPLING LOGS, LABORATORY DATA SHEETS AND CHAIN OF CUSTODY FORMS
**APPENDIX C – TAX MAP DATA
**APPENDIX D – SOIL BORING/TEMPORARY MONITORING WELL LOGS & 1903 FORMS
**APPENDIX E – PERMANENT WELL LOGS & 1903 FORMS
**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
APPENDIX G – DISPOSAL MANIFESTS
**APPENDIX H – LOCAL ZONING REGULATIONS
**APPENDIX I – FATE & TRANSPORT MODELING
**APPENDIX J – ACCESS AGREEMENTS
APPENDIX K – DATA VERIFICATION CHECKLIST
APPENDIX L – DETAILED RECEPTOR INFORMATION/SITE PHOTOS

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

i. Facility Information

Name:	UST-Unknown 14324
UST Permit#	14324
Address:	519 East North 1st Street, Seneca, SC 29678
Telephone #:	N/A

ii. Owner/Operator Information

Name	Ms. Betty Lathem (Trustee)
Address	2 West Washington Street, Suite 1100, Greenville, SC 29601
Telephone #	(864) 288-6480

iii. Property Owner Information

Name	Gary Alexander
Tax Map #:	Oconee County Tax Map#: 520-30-02-010
Address	414 Edgewater Drive, Westminster, SC 29693
Telephone #	(864) 719-0477

iv. Contractor Information

Name:	Midlands Environmental Consultants, Inc.
Certification #:	9
Address:	231 Dooley Road, Lexington, SC 29073
Telephone #:	(803) 808-2043

v. Well Driller Information

Name:	N/A
Certification #:	N/A
Address:	N/A
Telephone #:	N/A

vi. Laboratory Information

Name:	Pace Analytical Services, LLC.
Certification #:	99006001
Address:	9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #:	(704) 875-9092

vi. Facility History

Release Date:		12/30/1991	
Estimated Quantity of Release:		Unknown	
Other Releases at Facility:		N/A	
Release Ranking:		2BA	
Current Site Usage:		Vacant Lot	
Tank #	**Capacity/Product**	**In Use/Abandoned**	**Tank Status**
1	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
2	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
3	500 Gal. Kerosene	Abandoned	Removed (12/19/1991)

vii. Regional Geology and Hydrogeology

The site is located in the Piedmont Physiographic Province of South Carolina, an area underlain by ancient igneous and metamorphic rocks. The soils in this province are generally residual soils that are underlain by rock at highly varying depths.

The soils encountered in this area are the product of in-place weathering of rocks similar to the rocks underlying the site. In areas not altered by erosion or disturbed by the activities of man, the typical residual soil profile consists of near surface clayey soils and underlying sandy silt and sand. The boundary between soil and rock is gradational. A transitional zone termed "weathered rock" is normally found overlying the parent bedrock. This zone is typically the most transmissive zone for groundwater movement. Consequently, the topography of the bedrock surface is uneven, even over short horizontal distances. It is not unusual to find lenses and boulders of hard rock and zones of weathered rock within the soil mantle well above the general bedrock level.

Local precipitation is the source of practically all of the groundwater in Greenville County. A portion of the precipitation infiltrates into the ground and moves under the influence of gravity to the surficial aquifer. After the water has reached the surficial aquifer, the direction of movement is generally parallel to the hydraulic gradient. In the Piedmont Province, the slope of the surficial aquifer's surface under static conditions (no pumping interference) approximates the topography of an area. Thus, the movement of groundwater within the soil mantel is typically in the direction of the topographic slope. Local groundwater flow patterns may be affected by disturbed areas such as tank pits, utility trenches, building foundations, borings, wells, etc. Groundwater flow in fractured rock is often difficult to interpret due to the variability of fracture connectivity and orientation.

2.0 RECEPTOR SURVEY & SITE DATA

i. Known Potential Receptors

Receptor ID#	Notes
SW-1	SW-1 was collected from a creek located approximately 900' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.689108, -82.946114
SW-2	SW-2 was collected from a creek located approximately 750' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688505, -82.945634
SW-3	SW-3 was collected from a creek located approximately 650' feet northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688169, -82.945495
SW-4	SW-4 was collected from a creek located approximately 600' feet east of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.687784, -82.945225
Underground Utilities	
Known underground utilities at the site include buried water, communication, gas and sewer lines.	

ii. Receptor Survey Results

In 2022, MECI personnel reviewed the surrounding area for a distance of approximately 1,000 feet to determine if there were any potential receptors for the migration of contaminated groundwater. During the review, MECI personnel identified one stream within the search radius. The receptor

search included a driving tour of the area, interviews with available property owners, and review of the U.S. Fish & Wildlife Service's (USFWS) Wetlands Mapper.

iii. Site/Adjacent Land Usage (Residential, Commercial, Agricultural, Industrial, etc.)

Site	Commercial
North	Residential
South	Commercial
East	Commercial
West	Commercial
Permit #'s of UST Sites within 1,000' feet of site	07304, 11419

In addition to the above noted UST facilities known to be located within 1,000' feet of the subject site, the site itself is also documented to have been a former dry-cleaning facility (Tri-City Cleaners-BLMW# 56039). Furthermore, there appears to be an undocumented former gasoline service station located directly south of the subject site at Oconee County Tax Map #520-30-03-006.

iv. Site Specific Geology and Hydrogeology

The mean elevation of the property, as depicted on the local USGS quadrangle (Seneca, South Carolina), appears to be approximately 960 feet above sea level.

According to Horton et al. (Preliminary digital geologic map of the Appalachian Piedmont and Blue Ridge, South Carolina segment), the subject site is located in the Wallhalla Metamorphic Suite. The Wallhalla Metamorphic Suite is compromised predominately of hornblende-plagioclase gneiss and amphibolite with interlayers of biotite-quartz-felspar gneiss in localized undivided settings.

Piedmont soils were encountered during drilling activities conducted at the site during previous assessment activities. A generalized vertical profile to the investigated depth of 120' feet below ground surface (BGS) is as follows:

Depth (Feet BGS)	Generalized Soil Description
0.0'-15.0'	Red/Brown, Silty Fine to Coarse SAND
15.0'-75.0'	Brown, Fine to Medium Sandy Micaceous SILT
Bedrock was encountered at depths ranging from 53.0' feet below ground surface (BGS) in DDW-1 to 82.0' feet BGS in DDW-2.	

The following table presents grain size distribution results from samples analyzed for grain size during previous assessment activities:

Sample ID#	Sample Depth	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt	% Clay
14324-MW32	35.0'-40.0'	3.1	10.0	30.0	32.0	18.9	6.0
14324-DW05	60.0'-65.0'	1.4	6.0	37.0	40.7	11.9	3.0
14324-DDW04	85.0'-90.0'	12.8	23.0	28.0	31.4	3.8	1.0

On April 24-25, 2023, stabilized groundwater levels were measured in the monitoring well network. Depth to groundwater ranged from 25.95 feet below top of casing (BTOC) to 60.10 feet BTOC in the

wells measured. The groundwater measurements are summarized in tabular form in Table 2 and presented on Figure 4/4A/4B.

The potentiometric surface indicates that the groundwater flow beneath the site is generally to the east/northeast, toward an unnamed tributary associated with the Cane Creek. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

3.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES

On April 24-25, 2023, MECI personnel collected groundwater samples from thirty-six (36) monitoring wells and four (4) surface water locations. Two (2) monitoring wells (MW-26 and EP-16) were gauged and determined to contain measurable free phase petroleum product. At the request of SCDHEC, only monitoring wells which did not bracket the water table were to be purged prior to sample collection. Eleven (11) monitoring wells were purged prior to sample collection. Monitoring well DDW-1 was sampled utilizing a Hydrasleeve™ tether compromising of five discreet sampling depths (83.5', 92.5', 102.5', 112.5' and 119.5').

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Unless otherwise noted (DDW-1), sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (^{o}C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets present the results of the field measurements obtained. The wells were sampled in accordance with SCDHEC's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

The following sampling matrix summarizes well development and requested analyses for each monitoring well:

Sample ID	Purge	No Purge	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
MW-1		X					X	X	X	X				
MW-2		X					X	X	X	X				
MW-3						X								

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	No Purge	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
MW-4		X					X	X	X	X				
MW-5	X						X	X	X	X				
MW-8						X								
MW-12	X						X	X	X	X				
MW-13		X					X	X	X	X				
MW-19R		X					X	X	X	X				
MW-20		X					X	X	X	X				
MW-21R		X					X	X	X	X				
MW-22		X					X	X	X	X				
MW-23		X					X	X	X	X				
MW-24		X					X	X	X	X				
MW-25		X					X	X	X	X				
MW-26			X											
MW-27		X					X	X	X	X				
MW-28		X					X	X	X	X				
MW-29		X					X	X	X	X				
MW-30						X								
MW-31		X					X	X	X	X				
MW-32		X					X	X	X	X				
DW-1	X						X	X	X	X				
DW-2	X						X	X	X	X				
DW-3	X						X	X	X	X				
DW-4	X						X	X	X	X				
DW-5	X						X	X	X	X				
DW-6	X						X	X	X	X				
DDW-1 (83.5')					X		X	X	X	X				
DDW-1 (92.5')					X		X	X	X	X				
DDW-1 (102.5')					X		X	X	X	X				
DDW-1 (112.5')					X		X	X	X	X				
DDW-1 (119.5')					X		X	X	X	X				
DDW-2	X						X	X	X	X				
DDW-3	X						X	X	X	X				
DDW-4	X						X	X	X	X				
RW-1		X					X	X	X	X				
RW-2		X					X	X	X	X				
RW-3		X					X	X	X	X				
RW-4		X					X	X	X	X				
RW-5		X					X	X	X	X				
EP-4		X					X	X	X	X				
EP-12		X					X	X	X	X				
EP-16			X											
EP-20		X					X	X	X	X				
SW-1		X					X	X	X	X				
SW-2		X					X	X	X	X				
SW-3		X					X	X	X	X				
SW-4		X					X	X	X	X				

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	No Purge	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
DUP-1(EP-20)				X			X	X	X	X				
DUP-2(EP-12)				X			X	X	X	X				
DUP-3(RW-1)				X			X	X	X	X				
Field Blank 1				X			X	X	X	X				
Field Blank 2				X			X	X	X	X				
Trip Blank 1							X		X	X				
Trip Blank 2							X		X	X				

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 1 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 226.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached in Appendix G and the required post-GAC laboratory results in presented in Appendix B.

4.0 ANALYTICAL RESULTS

Free phase petroleum product was detected in monitoring wells MW-26 (4.01') and EP-16 (0.02'). Samples were not collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- The analytical results indicate petroleum impact to the "shallow" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of the former UST system.

- The analytical results indicate petroleum impact to the "intermediate" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of DW-2.

- The analytical results did not indicate petroleum impact to the "deep" zone or any of the surface water samples collected during sampling activities.

Of the forty sampling locations analyzed, twenty-four monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-12, MW-13, MW-19R, MW-20, MW-22, MW-24, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12 and EP-20) detected petroleum constituents above Risk-Based Screening Levels (RBSL's).

Petroleum constituents detected above the established RBSL include:

Compound	***RBSL (ug/l)***	***Wells Above RBSL***
Product	>0.01'	MW-26 & EP-16
Benzene	5	MW-2, MW-4, MW-5, MW-12, MW-13, MW-20, MW-22, MW-24, MW-29, DW-1, DW-2, DW-3, DW-4, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12 & EP-20
Toluene	1,000	MW-2, MW-4, MW-12, MW-13, MW-22, MW-24, MW-29, DW-2, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12 & EP-20
Ethylbenzene	700	MW-2, MW-4, MW-12, MW-22, MW-29, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12 & EP-20
Total Xylenes	10,000	MW-2, MW-4, RW-1, RW-3, RW-4, RW-5, EP-12 & EP-20
Naphthalene	25	MW-1, MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-29, DW-2, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12 & EP-20
MTBE	40	N/A
1,2 DCA	5	MW-24, DW-3, DW-4 & DW-6
EDB	0.05	MW-2, MW-4, MW-5, MW-12, MW-13, MW-19R, MW-22, MW-24, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-4, RW-5, EP-12 & EP-20
TAA	240	DW-4
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-25; however, the concentrations detected did not exceed the RBSL. The results of the analyses for each monitoring well and specific parameters are listed on Table 1 and provided in Appendix B.

5.0 MONITORING SUMMARY

- Based on the results of groundwater sampling activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The contaminants appear to be gasoline range constituents.

- Impacted groundwater appears to be flowing to the east-northeast toward an unnamed tributary associated with the Cane Creek.

- One stream has been identified within a 1,000' radius of the source area (SW-1, SW-2, SW-3 and SW-4). No production wells have been identified within 1,000' feet of the site.

- Free phase petroleum product was detected in monitoring wells MW-26 (4.01') and EP-16 (0.02'). Samples were not collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- Samples were collected from thirty-six monitoring wells and four surface water locations. Of the forty sampling locations analyzed, twenty-four monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-12, MW-13, MW-19R, MW-20, MW-22, MW-24, MW-29, DW-1, DW-2, DW-

3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12 and EP-20) detected petroleum constituents above Risk-Based Screening Levels (RBSL's). The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-25; however, the concentrations detected did not exceed the RBSL. Constituents of concern include Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, 1,2 DCA, EDB and TAA.

- Inflow permeability tests were performed on monitoring wells MW-19R, MW-32, DW-4, DW-6, DWW-3 and DWW-4 to determine the in-situ hydraulic conductivity of the aquifer and were evaluated using the Bouwer-Rice method for the aquifer. The average hydraulic conductivity values were determined to be 1.093×10^{-5} cm/sec in the "shallow" zone, 1.588×10^{-5} cm/sec in the "intermediate" zone and 1.011×10^{-5} cm/sec in the "deep" zone.

- In order to assess precision, field duplicate samples were collected and analyzed along with the reviewed batch samples. The duplicated samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the Relative Percent Differences (RPD) between each pair of samples. The RPD control limit for the groundwater samples is 20%. Duplicate samples were collected from the parent samples of RW-1, EP-12 and EP-20. The precision for the target analytes were met for these sample pairs and the analytical results detected the same compounds at similar concentrations. Furthermore, field blanks and trip blanks were collected and submitted during the groundwater sampling activities. No detectable concentrations of the requested method constituents were reported in any of the field or trip blanks.

6.0 COMMENTS & RECOMMENDATIONS

- Based on the current analytical data, the contaminant plume does not appear to be defined horizontally or vertically in relation to RBSL's.

- Data gaps currently persist: up-gradient (west) and side-gradient (south) horizontally in the "shallow" aquifer and the horizontal extent of the "intermediate" zone. These data gaps currently persist due to property access issues and drill rig accessibility. It should be noted that monitoring wells installed in association with UST#07304 and UST#11419 may aid in defining the plume upgradient and to the west of the source area of UST# 14324.

- Upon review of current and historical chemicals of concern (CoC) data, our findings indicate that CoC concentrations have: increased in monitoring wells MW-2 and MW-29, decreased in monitoring wells MW-5, MW-20, DW-4, DW-6 and DDW-4, and the remainder of the sampling locations have generally remained constant.

- MECI recommends a series of surfactant enhanced Aggressive Fluid Vapor Recovery (AFVR) Events be completed to remove free phase petroleum product and reduce elevated CoC concentrations in the source area. Following the proposed AFVR event, a selective groundwater sampling event should be conducted to determine the effectiveness of the AFVR events.

- MECI request the site be modeled to current site conditions and the Site-Specific Target Levels (SSTL's) be relinquished to our office. Based on the modeling, MECI will be able to better comment on further assessment or corrective action needs at the site.

- Lastly, due to the close vicinity of the source area of UST# 14324 and the Tri-City Dry-Cleaning Facility (BLMW#56039), MECI proposes full-list 8260 compounds be analyzed during the next groundwater sampling event to determine if dry-cleaning solvents are present within the well network associated with UST# 14324 and whether the presence of heavier solvents may be associated with the vertical migration of petroleum compounds.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of the Ms. Betty Latham (Trustee), SCDHEC, and MECI under mutually agreed upon terms and conditions. If other parties wish to rely on this report please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

-oOo-

TABLES

TABLE 1
GROUNDWATER COC COCENTRATION DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1,000***	***RBSL 700***	***RBSL 10,000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1,400***	***RBSL NE***	***RBSL 150***	***RBSL 10,000***	***RBSL 47***
MW-1	8/10/13	<100	130	**819**	6,610	**393**	<100	NT	**0.33**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<125	159	**1,220**	9,360	**774**	<125	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<100	139	**847**	7,070	**630**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	<5.0	<5.0	60.8	215	**37.5**	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	0.741 J	78.2	227	**49.2**	<0.810	<0.250	<0.00490	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	112	395	**76.9**	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-2	8/10/13	**3770**	**6000**	**369**	2436	**102**	<5	NT	**61.20**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	**4430**	**10200**	**1220**	6990	**542**	<250	NT	**61.10**	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**13200**	**24200**	**1540**	**11400**	**529**	<50.0	<50.0	**201**	5,520	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	5/30/18	**13300**	**27500**	**2350**	**12600**	**809J**	<1,000	<1,000	**261**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/7/20	**12500**	**30500**	**2150**	**11200**	**646J**	<1,250	<1,250	**107**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**2720**	**10000**	**1590**	9090	**611**	<81.0	<25.0	**13.7**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**9090**	**24100**	**2120**	**11900**	**545 J**	<388	<258	**67.5**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
MW-3	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**259**	**3,390**	**1,230**	6,020	**374**	<25.0	<25.0	<0.020	<500	<50.0	<50.0	<500	<250	<25.0	<1,000	<50.0
	5/30/18	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	4/25/23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	8/10/13	443	1,530	163	7,980	1,080	<50	NT	196	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**21500**	**26100**	**1220**	**10900**	**1050**	<125	**93.9J**	**687**	**4170**	<250	<2,500	<2,500	<1,250	**156**	<5,000	<250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**3410**	**8470**	**594J**	5420	**507J**	<625	<625	**113**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**11100**	**22600**	**1580**	**10900**	**1030**	<162	<50.0	**69.2**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/25/23	**12900**	**33800**	**2180**	**13400**	**750 J**	<775	<515	**293**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-5	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	**5.60**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**18100**	**33900**	**1520**	8040	**516**	<125	<125	**122**	**4340**	<250	<2500	<2,500	<1,250	<125	<5,000	<250
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.096**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**3340**	**6990**	609	3110	**174J**	<250	<250	**13.3**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**979**	**1610**	315	1470	**91.8**	<8.10	<2.50	**9.50**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**21.4**	45.3	5.5	27.9	<2.1	<3.1	<2.1	**0.12**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	3360	<8.5
MW-8	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.030	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	4/25/23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**6400**	**12000**	**817**	5650	**247**	<25.0	**44.7**	**23.1**	**1550**	<50.0	<500	<500	<250	38.6	<1,000	<50.0
	5/30/18	**7340**	**18900**	**1190**	6770	**404J**	<625	<625	**154**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	4/7/20	**3090**	**9320**	628	3130	**213J**	<250	<250	**14.7**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**3290**	**11400**	**982**	5610	**543**	<81.0	**57.2 J**	**20.1**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**4060**	**14600**	**1360**	6900	**422 J**	<310	<206	**25.7**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-13	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**2610**	**7620**	**1220**	7420	**629**	<125	<125	**43.2**	<2,500	<250	<2,500	<2,500	<1250	<125	<5,000	<250
	5/30/18	**2280**	**3190**	427	3370	**171**	<100	<100	**38.6**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**1050**	**2770**	260	1700	**146**	<125	<125	**16.7**	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	8/3/22	**3350**	**6840**	**960**	5070	**400**	<40.5	**20.3 J**	**24.9**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/25/23	**2520**	**4690**	404	2560	**205**	<124	<82.4	**29.4**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-19	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.025	<100	<10.0	<100	<100	<50.0	<5.0	5910	<10.0
	4/7/20	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	4/25/23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-19R	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.040	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.089**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	0.418 J	27.4	5.35	<0.810	0.258 J	**0.151**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	1.8 J	<2.0	<1.8	124	10.9	<3.1	<2.1	**0.11**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	5/30/18	**38.9**	3.2J	6.9	31.7	3.9J	<5.0	<5.0	**0.17**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**316**	15.4	83.3	546	**60.5**	<12.5	<12.5	**1.10**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**416**	44.3	232	1520	**169**	<8.10	<2.50	**1.19**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**33.1**	4.0 J	45.9	417	**75.9**	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-21	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/25/23	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL

TABLE 1
GROUNDWATER COC COCENTRATION DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1,000***	***RBSL 700***	***RBSL 10,000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1,400***	***RBSL NE***	***RBSL 150***	***RBSL 10,000***	***RBSL 47***
MW-21R	4/7/20	<5.0	2.8J	<5.0	<5.0	2.5J	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	5/30/18	**338**	731	58	399	16.3J	<25.0	<25.0	**3.8**	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	4/7/20	**2550**	**5790**	317	1,820	**141J**	<200	<200	**29.0**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**6310**	**18300**	**2060**	**10700**	**420 J**	<81.0	<25.0	**44.8**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**5620**	**14500**	**1270**	7050	**373 J**	<310	<206	**46.1**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-23	5/30/18	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00526	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-24	5/30/18	**14**	17	1.8J	24	<5.0	<5.0	**6.4**	**2.9**	<100	<10.0	<100	<100	<50.0	2.5J	<200	<10.0
	4/7/20	**6730**	**6630**	486	3150	**187J**	<200	**508**	**207**	**3500J**	<400	<4,000	<4,000	<2,000	**165J**	<8,000	<400
	8/3/22	**4760**	**9790**	**1350**	8740	**543**	<40.5	**251**	**156**	<430	<39.0	<350	<345	<345	101 J	<2500	<36.0
	4/25/23	**3940**	**4040**	474	3330	**177 J**	<124	**254**	**134**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-25	5/30/18	**4.4J**	9.5	8.7	50.2	<5.0	<5.0	<5.0	<0.019	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	2.5J	<5.0	13.9	70.2	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	**10.7**	72.1	56.5	174	<2.40	<0.810	<0.250	0.0260	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	3.4 J	5.5	20.4	170	<2.1	<3.1	<2.1	<0.0076	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**7,130**	**21,100**	**1,320**	**10,200**	**991**	<625	<625	**109**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
MW-27	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.0103 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00966 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	4/7/20	**4,290**	**5,570**	**907**	5,300	**377**	<250	<250	<0.020	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**218**	213	81.4	472	**195 J**	<40.5	<12.5	**14.5**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/24/23	**2380**	**2070**	**737**	4230	**339**	<77.5	<51.5	**23.0**	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
MW-30	8/3/22	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	4/25/23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.0515	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-32	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	1.54	0.0327	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-1	5/30/18	**2240**	**1260**	161	1130	**88.5J**	<100	<100	**10.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**2550**	**1660**	209	1140	**114**	<100	<100	**9.2**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	8/3/22	**2420**	49.8	75.4	627	**27.4**	<0.810	**19.7**	**8.42**	**746**	<0.780	<7.00	<6.90	<6.90	24.9	<50.0	<0.720
	4/24/23	**2780**	608	92.2 J	1010	<41.8	<62.0	<41.2	**6.7**	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
DW-2	4/7/20	**12800**	**10100**	**1050**	6090	**401J**	<500	<500	**79.2**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**8560**	**7790**	**874**	5040	<480	<162	<50.0	**55.9**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/24/23	**7480**	**6360**	685	4420	**172 J**	<155	<103	**73.7**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	4/7/20	**307**	<12.5	<12.5	237	12.0J	<12.5	**6.5J**	**1.6**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**138**	<0.250	<0.200	194	11.2	<0.810	**5.60**	**0.979**	140	<0.780	<7.00	13.0 J	<6.90	6.41 J	<50.0	<0.720
	4/24/23	**312**	<5.0	<4.6	187	15.4	<7.8	**5.9 J**	**1.7**	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-4	8/3/22	**1370**	9.13	5.18	517	**76.7**	<0.810	**31.1**	**2.36**	**777**	<0.780	<7.00	<6.90	<6.90	29.9	<50.0	<0.720
	4/24/23	**279**	<5.0	<4.6	79.3	7.0 J	<7.8	**10.7 J**	**1.1**	**242 J**	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-5	8/3/22	<0.270	<0.250	<0.200	<0.230	6.74	<0.810	0.284 J	0.0102 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	8/3/22	**1980**	466	<10.0	460	<120	<40.5	**234**	**9.61**	**3050**	<39.0	<350	<345	<345	**151 J**	<2500	<36.0
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**13.0**	**0.29**	<65.6	<3.0	<53.9	<91.0	<24.1	8.9	<144	<8.5
DDW-1 (83.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00513	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (119.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00499	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0072	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-2	8/3/22	2.74	<0.250	<0.200	0.978 J	<2.40	<0.810	**0.501 J**	<0.00506	9.71 J	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00626 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	8/3/22	**33.7**	<0.250	<0.200	<0.230	<2.40	<0.810	**12.4**	**0.256**	235	<0.780	<7.00	41.0 J	<6.90	9.29 J	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**10,200**	**33,900**	**2,830**	**16,300**	**887J**	<1,000	<1,000	**125**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**7200**	**23300**	**2360**	**17600**	**855 J**	<620	<412	**179**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	5/30/18	<100	861	**936**	5,700	**263**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	<10.0	34	121	563	**52.5**	<10.0	<10.0	<0.020	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	8/3/22	<2.70	45.1	195	947	**88.5**	<8.10	<2.50	<0.00507	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	<3.5	58.3	231	696	**106**	<6.2	<4.1	<0.0074	138 J	<6.1	<108	<182	<48.2	<7.0	<288	<16.9

TABLE 1
GROUNDWATER COC COCENTRATION DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1,000***	***RBSL 700***	***RBSL 10,000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1,400***	***RBSL NE***	***RBSL 150***	***RBSL 10,000***	***RBSL 47***
RW-3	5/30/18	**1,020**	**4,120**	**2,550**	**14,900**	**686**	<250	<250	**0.66**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	4/7/20	**449**	**2,090**	**2,980**	**13,100**	**471**	<200	<200	**0.81**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**149 J**	**1380**	**3350**	**13800**	**708**	<124	<82.4	<0.0075	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4	5/30/18	**30,600**	**38,600**	**2,700**	**14,000**	**956J**	<1,250	**562J**	**1,850**	<25,000	<2,500	<25,000	<25,000	<12,500	**694J**	<50,000	<2,500
	4/7/20	**15,400**	**29,000**	**2,060**	**13,200**	**764J**	<1,000	<1,000	**40.7**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**22000**	**35600**	**2340**	**15300**	**520 J**	<620	<412	**832**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5	5/30/18	**28,800**	**36,600**	**2,430**	**12,400**	**614J**	<1,250	<1,250	**612**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	4/7/20	**16,600**	**27,400**	**1,740**	**10,800**	**702J**	<1,250	<1,250	**230**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**20100**	**38700**	**2130**	**13300**	**913 J**	<775	<515	**384**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**155**	**4830**	**1730**	9990	**897**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**21.2J**	633	606	3250	**270**	<50.0	<50.0	<0.020	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	8/3/22	**85.8 J**	**1750**	**1010**	5380	**365 J**	<81.0	<25.0	0.0165 J	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**24.0 J**	**1210**	**828**	5430	**308**	<31.0	<20.6	0.040	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
EP-12	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**8600**	**16600**	**1060**	**12600**	**1380**	<625	<625	**298**	<12,500	<1,250	<12,500	<12,500	<6250	<625	<25,000	<1,250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**2890**	**6410**	428	6910	**599**	<250	<250	**40.8**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**6650**	**28300**	**9880**	**123000**	**33100**	<1620	<500	**103**	<17200	<1560	<14000	<13800	<13800	<1400	<100000	<1440
	4/25/23	**4420**	**15100**	**1300**	**11400**	**1020**	<388	<258	**62.0**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-16	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**4540**	**9720**	**1140**	**16400**	**31800**	<500	<500	**876**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	5/30/18	**7010**	**13200**	**1050**	**13500**	**1260**	<500	<500	**457**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	4/7/20	**1900**	**5170**	375	7160	**609**	<250	<250	**91.9**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
EP-20	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**7730**	**16100**	550	**13000**	**1610**	<250	**156J**	**604**	<5,000	<500	<5,000	<5,000	<2,500	99.1J	<10,000	<500
	5/30/18	**7810**	**9720**	290J	**15600**	**1290**	<500	<500	**704**	<10,000	<1,000	<1,000	<10,000	<5,000	**173J**	<20,000	<1,000
	4/7/20	**6050**	**12500**	691	**12500**	**817**	<500	<500	**182**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**14700**	**30700**	**1780**	**17500**	**1240 J**	<203	<62.5	**412**	<2150	<195	<1750	<1730	<1730	<175	<12500	<180
	4/25/23	**8350**	**18200**	**907 J**	**12900**	**983 J**	<620	<412	**296**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	4/7/20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	8/3/22	0.546 J	<0.250	<0.200	<0.230	<2.40	<0.810	**0.303 J**	<0.0503	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00500	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0073	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-4	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	**0.0503**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0074	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP (EP-16)	3/12/15	**5150**	**10800**	**1300**	**17400**	**1960**	<500	<500	**876**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1 (MW-13)	5/30/18	**3010**	**3370**	570	3960	**528**	<100	<100	**58.1**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-1 (MW-13)	4/7/20	**1250**	**3060**	297	1890	**147**	<100	<100	**15.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-2 (MW-2)	4/7/20	**12800**	**30800**	**2160**	**11200**	**595J**	<1,000	<1,000	**102**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-1 (MW-12)	8/3/22	**3180**	**12000**	**1070**	5800	**436 J**	<81.0	**55.7 J**	**19.2**	<860	<78.0	<700	<690	<690	72.2 J	<5000	<72.0
DUP-2 (RW-2)	8/3/22	<2.70	102	288	1520	**110**	<8.10	<2.50	0.0298	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
DUP-1 (EP-20)	4/25/23	**11100**	**24400**	**1150**	**17000**	**1210**	<620	<412	**381**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (EP-12)	4/25/23	**4400**	**15400**	**1310**	**11800**	**1070**	<388	<258	**76.3**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
DUP-3 (RW-1)	4/25/23	**11400**	**35900**	**2790**	**18900**	**954 J**	<620	<412	**206**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
Field Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.28**	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.022	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	**0.00591 J**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	0.030	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<200	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	N/A	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	N/A	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

Notes:

1. BDL = Below Practical Quantitative Limits
2. ug/l = micrograms per liter
3. mg/l = milligrams per liter
4. MTBE = Methyl-Tertiary-Butyl Ether
5. See Appendix for Laboratory Detection Limits
6. NL = Not Located
7. DRY = Well was Dry at the time of Sampling
8. NT = Not Tested.
9. EDB = Ethylene Dibromide
10. 1,2 DCA = 1,2-Dichloroethane
11. FPP = Free Phase Petroleum Product Gauged
12. * = Sample collected beneath Product
13. "J" Values used in Total BTEX Calculations
14. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
15. B = Detected in Method Blank
16. S = MS/MSD Failure
17. P = The RPD between the two columns exceeds 40%.
18. DIPE = Diisopropyl Ether
19. ETBE = Ethyl ter-butyl Ether
20. TAA = tert-Amyl Alcohol
21. TAME = tert-Amyl Methyl Ether
22. TBA = ter-Butyl Alcohol
23. TBF = tert-Butyl Formate
24. ETBA = 3,3-Dimethyl-1-Butanol
25. ABD. = Well Has been Abandoned

TABLE 2
POTENTIOMETRIC DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-1	8/10/2013	25-40	---	26.50	---	936.88	910.38
	11/6/2013		---	26.77	---		910.11
	3/12/2015		---	27.31	---		909.57
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	23.49	---		913.39
	8/3/2022		---	27.85	---		909.03
	4/25/2023		---	25.95	---		910.93
MW-2	8/10/2013	30-40	---	29.00	---	937.19	908.19
	11/6/2013		---	28.20	---		908.99
	3/12/2015		---	29.46	---		907.73
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.01	---		906.18
	4/7/2020		---	26.22	---		910.97
	8/3/2022		---	29.19	---		908.00
	4/25/2023		---	30.07	---		907.12
MW-3	8/10/2013	30-40	---	27.80	---	ABANDONED	N/A
	11/6/2013		---	27.12	---		N/A
	3/12/2015		---	28.07	---		N/A
	6/24/2015		---	NM	---		NM
	5/30/2018		---	ABANDONED	---		ABANDONED
	4/7/2020		---	ABANDONED	---		ABANDONED
	8/3/2022		---	ABANDONED	---		ABANDONED
	4/25/2023		---	ABANDONED	---		ABANDONED
MW-4	8/10/2013	30-40	---	28.34	---	937.64	909.30
	11/6/2013		---	NS	---		NS
	3/12/2015		---	28.81	---		908.83
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.96	---		912.68
	8/3/2022		---	28.57	---		909.07
	4/25/2023		---	30.11	---		907.53
MW-5	8/10/2013	60-65	---	27.26	---	936.64	909.38
	11/6/2013		---	26.78	---		909.86
	3/12/2015		---	27.89	---		908.75
	6/24/2015		---	NM	---		NM
	5/30/2018		---	29.29	---		907.35
	4/7/2020		---	24.10	---		912.54
	8/3/2022		---	28.45	---		908.19
	4/25/2023		---	26.25	---		910.39
MW-8	8/10/2013	N/A	---	37.08	---	ABANDONED	N/A
	11/6/2013		---	36.44	---		N/A
	3/12/2015		---	ABANDONED	---		ABANDONED
	4/7/2020		---	ABANDONED	---		ABANDONED
	8/3/2022		---	ABANDONED	---		ABANDONED
	4/25/2023		---	ABANDONED	---		ABANDONED
MW-12	8/10/2013	60-65	---	32.22	---	937.69	905.47
	11/6/2013		---	31.10	---		906.59
	3/12/2015		---	32.55	---		905.14
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.75	---		902.94
	4/7/2020		---	29.03	---		908.66
	8/3/2022		---	32.15	---		905.54
	4/25/2023		---	31.05	---		906.64
MW-13	8/10/2013	36-46	---	32.03	---	937.99	905.96
	11/6/2013		---	31.45	---		906.54
	3/12/2015		---	34.15	---		903.84
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.41	---		903.58
	4/7/2020		---	29.55	---		908.44
	8/3/2022		---	32.51	---		905.48
	4/25/2023		---	36.11	---		901.88
MW-19	8/10/2013	35-45	---	33.20	---	ABANDONED	N/A
	11/6/2013		---	31.73	---		N/A
	3/12/2015		---	OBSTRUCTION	---		OBSTRUCTION
	6/24/2015		---	ABANDONED	---		ABANDONED
	4/7/2020		---	ABANDONED	---		ABANDONED
	8/3/2022		---	ABANDONED	---		ABANDONED
	4/25/2023		---	ABANDONED	---		ABANDONED

TABLE 2
POTENTIOMETRIC DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-19R	6/24/2015	30-40	---	34.08	---	937.63	903.55
	5/30/2018		---	34.80	---		902.83
	4/7/2020		---	29.78	---		907.85
	8/3/2022		---	32.73	---		904.90
	4/24/2023		---	31.50	---		906.13
MW-20	6/24/2015	30-40	---	33.92	---	936.87	902.95
	5/30/2018		---	32.30	---		904.57
	4/7/2020		---	27.30	---		909.57
	8/3/2022		---	30.20	---		906.67
	4/25/2023		---	31.07	---		905.80
MW-21	6/24/2015	30-40	---	30.96	---	NL	N/A
	5/30/2018		---	NL	---		NL
	4/7/2020		---	NL	---		NL
	8/3/2022		---	NL	---		NL
	4/25/2023		---	NL	---		NL
MW-21R	4/7/2020	22-32	---	28.52	---	934.95	906.43
	8/3/2022		---	28.21	---		906.74
	4/25/2023		---	26.32	---		908.63
MW-22	6/24/2015	30-40	---	33.10	---	937.61	904.51
	5/30/2018		---	31.43	---		906.18
	4/7/2020		---	26.22	---		911.39
	8/3/2022		---	29.82	---		907.79
	4/25/2023		---	30.19	---		907.42
MW-23	6/24/2015	30-40	---	35.71	---	943.11	907.40
	5/30/2018		---	DRY	---		DRY
	4/7/2020		---	36.39	---		906.72
	8/3/2022		---	39.05	---		904.06
	4/24/2023		---	37.75	---		905.36
MW-24	6/24/2015	30-40	---	33.30	---	938.76	905.46
	5/30/2018		---	31.90	---		906.86
	4/7/2020		---	26.62	---		912.14
	8/3/2022		---	29.97	---		908.79
	4/25/2023		---	30.60	---		908.16
MW-25	6/24/2015	30-40	---	31.57	---	938.88	907.31
	5/30/2018		---	26.48	---		912.40
	4/7/2020		---	21.32	---		917.56
	8/3/2022		---	25.13	---		913.75
	4/25/2023		---	30.43	---		908.45
MW-26	6/24/2015	30-40	---	32.86	---	937.04	904.18
	5/30/2018		29.42	29.52	0.10		907.61
	4/7/2020		---	24.16	---		912.88
	8/3/2022		27.40	27.75	0.35		909.59
	4/25/2023		25.95	29.96	4.01		910.49
MW-27	4/7/2020	30-40	---	29.66	---	938.17	908.51
	8/3/2022		---	32.66	---		905.51
	4/24/2023		---	30.18	---		907.99
MW-28	4/7/2020	32-42	---	33.43	---	940.86	907.43
	8/3/2022		---	36.51	---		904.35
	4/24/2023		---	34.89	---		905.97
MW-29	4/7/2020	35-45	---	36.14	---	943.12	906.98
	8/3/2022		---	38.83	---		904.29
	4/24/2023		---	37.54	---		905.58
MW-30	8/3/2022	39-49	---	DRY	---	ABANDONED	ABANDONED
	4/25/2023		---	ABD	---		ABANDONED
MW-31	8/3/2022	30-40	---	39.42	---	935.75	896.33
	4/24/2023		---	37.84	---		897.91
MW-32	8/3/2022	30-40	---	34.55	---	937.28	902.73
	4/24/2023		---	34.14	---		903.14
DW-1	6/24/2015	60-65	---	32.67	---	937.18	904.51
	5/30/2018		---	34.19	---		902.99
	4/7/2020		---	29.29	---		907.89
	8/3/2022		---	32.28	---		904.90
	4/24/2023		---	30.08	---		907.10
DW-2	4/7/2020	60-65	---	35.85	---	942.93	907.08
	8/3/2022		---	38.63	---		904.30
	4/24/2023		---	37.80	---		905.13
DW-3	4/7/2020	60-65	---	36.15	---	942.98	906.83
	8/3/2022		---	38.99	---		903.99
	4/24/2023		---	37.50	---		905.48
DW-4	8/3/2022	58-63	---	40.42	---	935.93	895.51
	4/24/2023		---	39.35	---		896.58
DW-5	8/3/2022	59-64	---	40.38	---	943.99	903.61
	4/25/2023		---	39.13	---		904.86
DW-6	8/3/2022	60-65	---	34.58	---	937.49	902.91
	4/24/2023		---	33.18	---		904.31

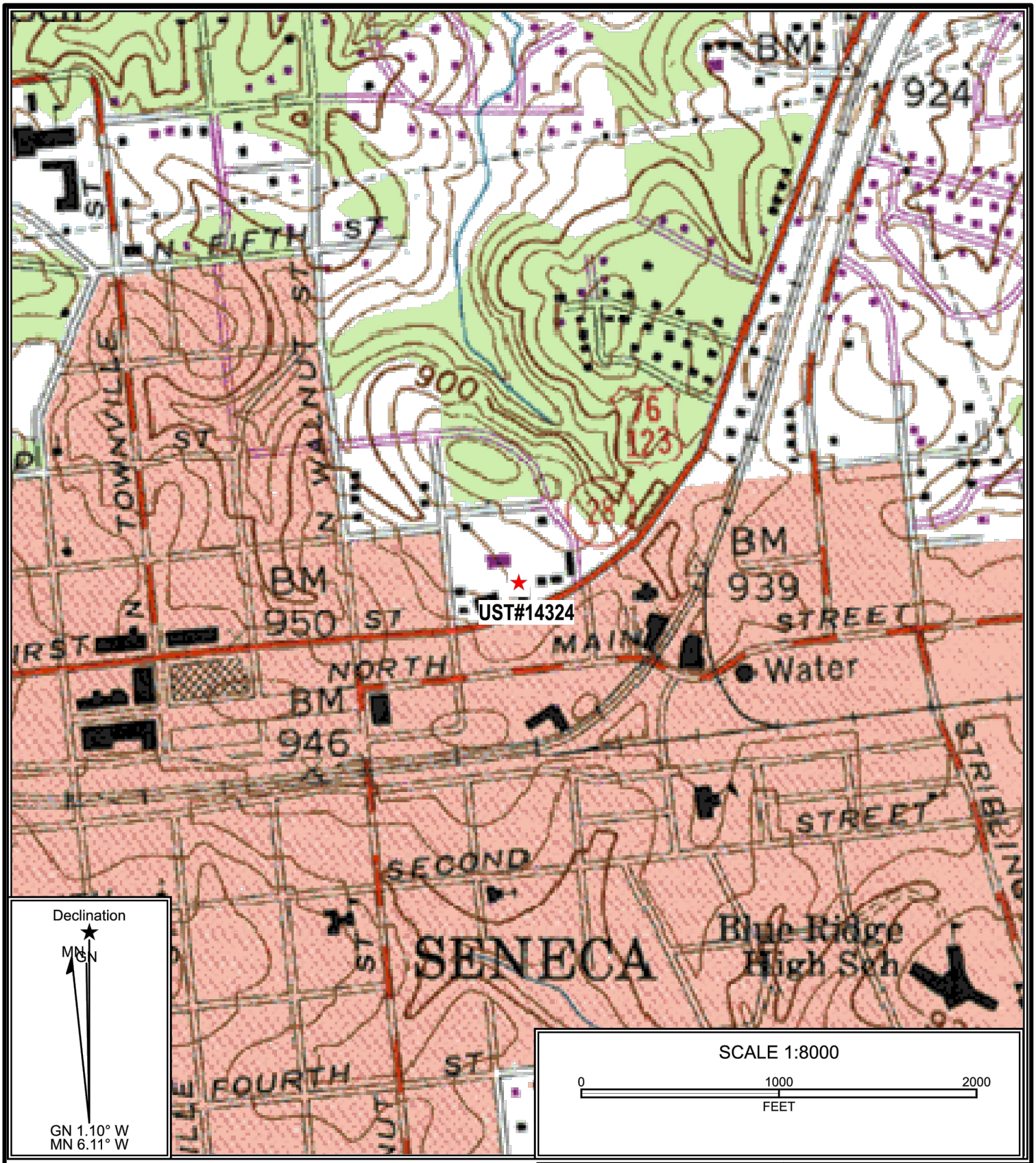
TABLE 2
POTENTIOMETRIC DATA
APRIL 24-25, 2023 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT NUMBER 23-8089
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
DDW-1	8/3/2022	80-120	---	57.70	---	962.25	904.55
	4/25/2023		---	60.10	---		902.15
DDW-2	8/3/2022	85-90	---	58.46	---	935.41	876.95
	4/25/2023		---	37.57	---		897.84
DDW-3	8/3/2022	85-90	---	40.02	---	943.86	903.84
	4/25/2023		---	39.10	---		904.76
DDW-4	8/3/2022	80-85	---	34.23	---	937.35	903.12
	4/25/2023		---	32.83	---		904.52
RW-1	6/24/2015	20-40	---	31.94	---	937.24	905.30
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.28	---		912.96
	8/3/2022		27.93	27.95	0.02		909.31
	4/25/2023		---	27.11	---		910.13
RW-2	6/24/2015	20-40	---	32.06	---	937.36	905.30
	5/30/2018		---	29.45	---		907.91
	4/7/2020		---	24.21	---		913.15
	8/3/2022		---	28.37	---		908.99
	4/25/2023		---	26.26	---		911.10
RW-3	6/24/2015	20-40	---	31.86	---	937.48	905.62
	5/30/2018		---	29.39	---		908.09
	4/7/2020		---	24.20	---		913.28
	8/3/2022		28.51	28.52	0.01		908.97
	4/25/2023		---	26.87	---		910.61
RW-4	6/24/2015	20-40	---	31.62	---	937.88	906.26
	5/30/2018		---	30.60	---		907.28
	4/7/2020		---	25.10	---		912.78
	8/3/2022		28.30	28.31	0.01		909.58
	4/25/2023		---	27.29	---		910.59
RW-5	6/24/2015	20-40	---	31.43	---	938.26	906.83
	5/30/2018		---	30.90	---		907.36
	4/7/2020		---	25.58	---		912.68
	8/3/2022		28.99	29.00	0.01		909.27
	4/25/2023		---	27.69	---		910.57
EP-4	8/10/2013	20-35	---	NM	---	936.91	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	27.70	---		909.21
	6/24/2015		---	NM	---		NM
	5/30/2018		29.13	29.24	0.11		907.76
	4/7/2020		---	23.85	---		913.06
	8/3/2022		---	27.83	---		909.08
	4/25/2023		---	26.15	---		910.76
EP-12	8/10/2013	20-35	---	NM	---	937.40	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.73	---		907.67
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.91	---		912.49
	8/3/2022		---	29.38	---		908.02
	4/25/2023		---	27.11	---		910.29
EP-16	8/10/2013	TD: 34.35	---	NM	---	937.88	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	28.99	---		908.89
	6/24/2015		---	NM	---		NM
	5/30/2018		---	30.53	---		907.35
	4/7/2020		---	24.96	---		912.92
	8/3/2022		28.49	28.50	0.01		909.39
	4/25/2023		27.54	27.56	0.02		910.34
EP-20	8/10/2013	13-35	---	NM	---	938.07	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.58	---		908.49
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.02	---		907.05
	4/7/2020		---	25.66	---		912.41
	8/3/2022		---	29.13	---		908.94
	4/25/2023		---	27.81	---		910.26

Notes:

1. Groundwater depths were measured from the top of the PVC riser pipe.
2. Site datum based on assumed spot elevation.
3. NM = Not Measured
4. TD = Total Depth
5. DESTROYED = Well has been destroyed
6. ABANDONED = Well has been Abandoned
7. OBSTRUCTION = Well Obstructed
8. DRY = Well Gauged DRY

FIGURES



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

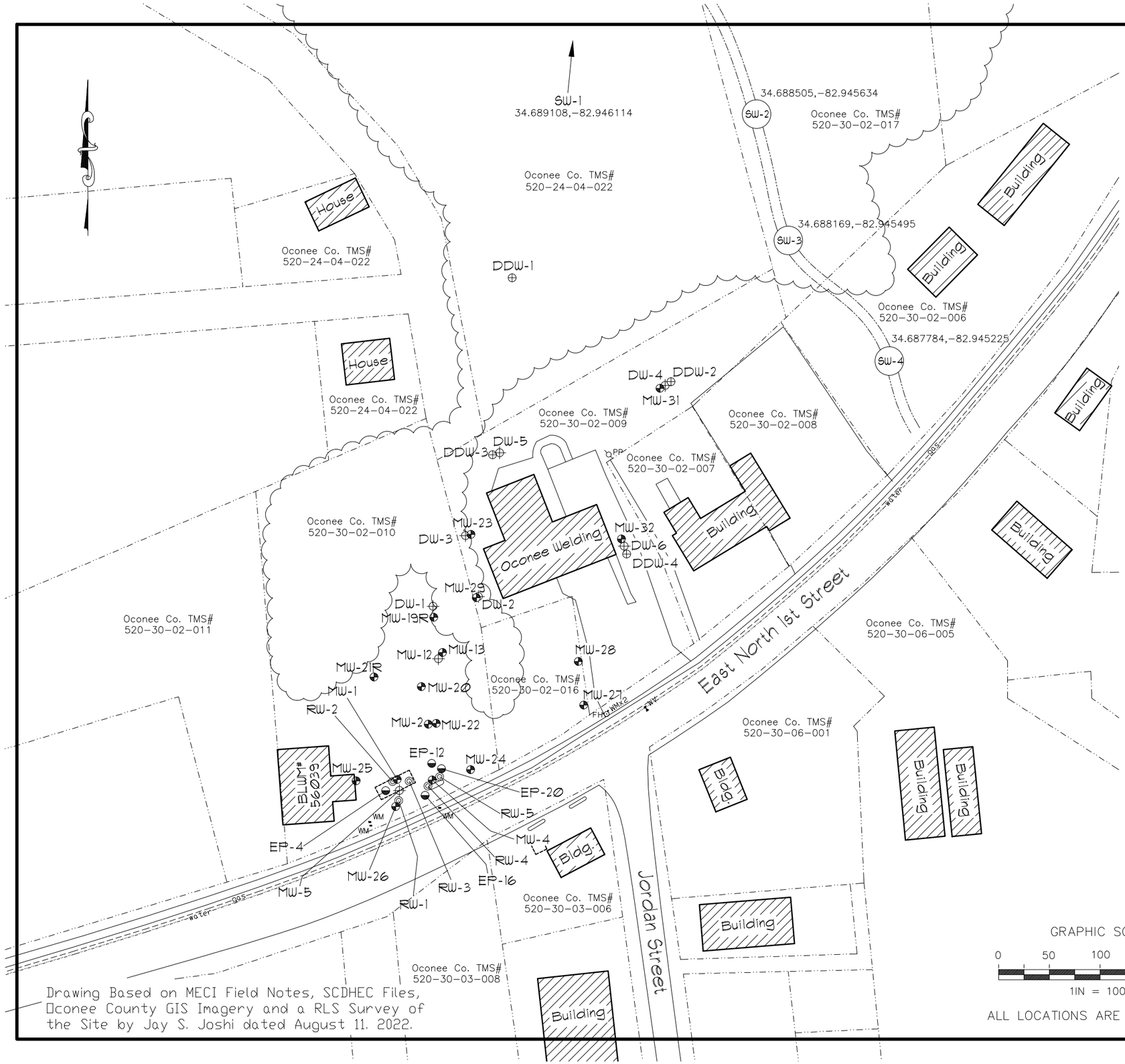
Midlands Environmental Consultants, Inc.

Site Location

UST-Unknown #14324
519 East North 1st Street, Seneca, SC
UST Permit# 14324

Figure 1

MECI 23-8089



Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-inch Extraction Point
- Location of 4-inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas — Buried Gas Line
- water — Buried Water Line

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

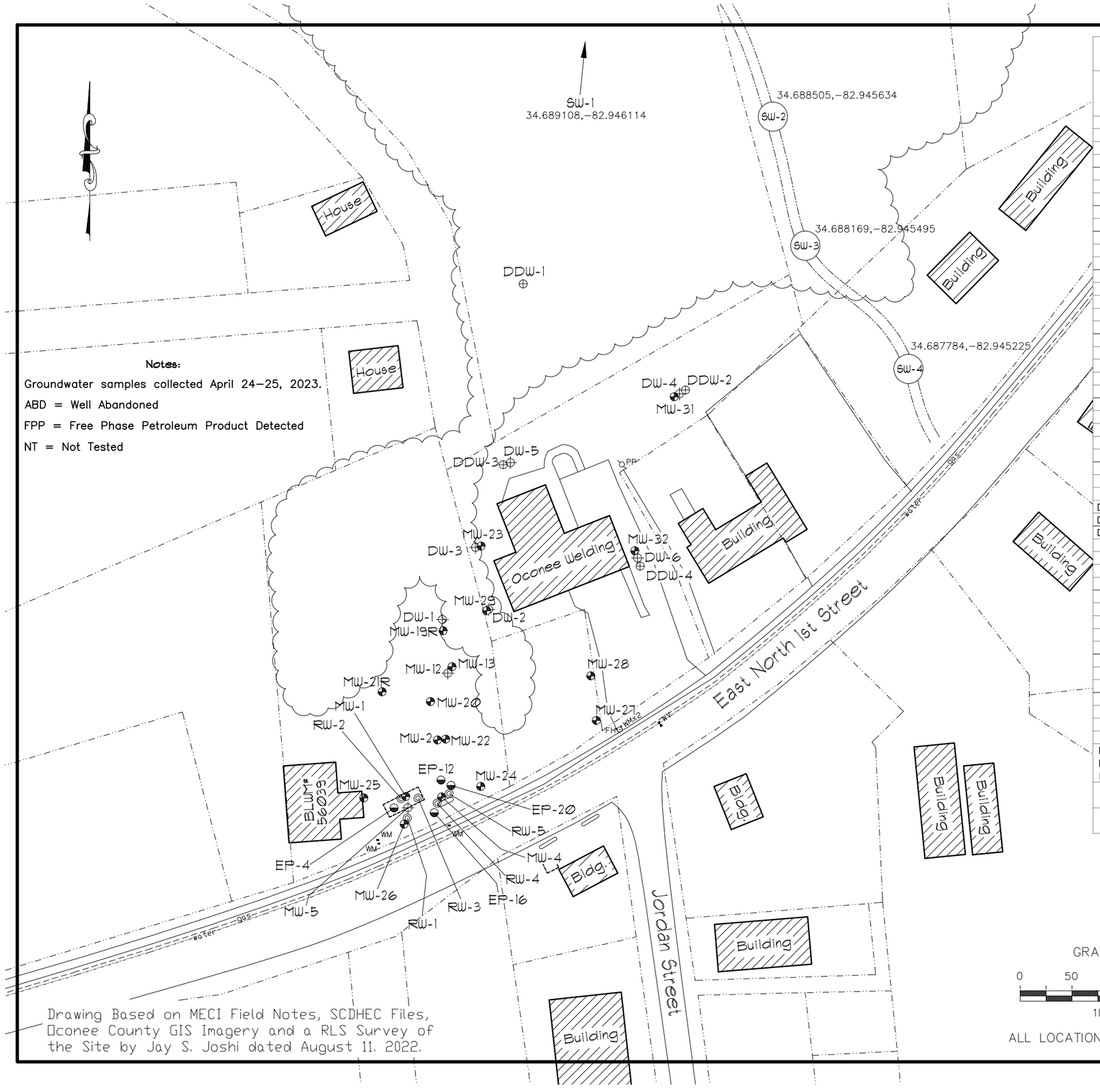
Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089
DATE May 9, 2023
FIGURE 2



Notes:

Groundwater samples collected April 24–25, 2023.

ABD = Well Abandoned

FPP = Free Phase Petroleum Product Detected

NT = Not Tested

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA

Well ID#	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)
	RBSL 5	*RBSL 1,000*	*RBSL 700*	*RBSL 10,000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*
MW-1	<1.7	<2.0	112	395	**76.9**	<3.1	<2.1	<0.0074
MW-2	**9090**	**24100**	**2120**	**11900**	**545 J**	<388	<258	**67.5**
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	**12900**	**33800**	**2180**	**13400**	**750 J**	<775	<515	**293**
MW-5	**21.4**	45.3	5.5	27.9	<2.1	<3.1	<2.1	**0.12**
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	**4060**	**14600**	**1360**	6900	**422 J**	<310	<206	**25.7**
MW-13	**2520**	**4690**	404	2560	**205**	<124	<82.4	**29.4**
MW-19R	1.8 J	<2.0	<1.8	124	10.9	<3.1	<2.1	**0.11**
MW-20	**33.1**	4.0 J	45.9	417	**75.9**	<3.1	<2.1	<0.0075
MW-21R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
MW-22	**5620**	**14500**	**1270**	7050	**373 J**	<310	<206	**46.1**
MW-23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
MW-24	**3940**	**4040**	474	3330	**177 J**	<124	**254**	**134**
MW-25	3.4 J	5.5	20.4	170	<2.1	<3.1	<2.1	<0.0076
MW-26	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
MW-27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
MW-28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
MW-29	**2380**	**2070**	**737**	4230	**339**	<77.5	<51.5	**23.0**
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
MW-32	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
DW-1	**2780**	608	92.2 J	1010	<41.8	<62.0	<41.2	**6.7**
DW-2	**7480**	**6360**	685	4420	**172 J**	<155	<103	**73.7**
DW-3	**312**	<5.0	<4.6	187	15.4	<7.8	**5.9 J**	**1.7**
DW-4	**279**	<5.0	<4.6	79.3	7.0 J	<7.8	**10.7 J**	**1.1**
DW-5	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
DW-6	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**13.0**	**0.29**
DDW-1 (83.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
DDW-1 (92.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
DDW-1 (102.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
DDW-1 (112.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
DDW-1 (119.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0072
DDW-2	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073
DDW-3	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075
DDW-4	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
RW-1	**7200**	**23300**	**2360**	**17600**	**855 J**	<620	<412	**179**
RW-2	<3.5	58.3	231	696	**106**	<6.2	<4.1	<0.0074
RW-3	**149 J**	**1380**	**3350**	**13800**	**708**	<124	<82.4	<0.0075
RW-4	**22000**	**35600**	**2340**	**15300**	**520 J**	<620	<412	**832**
RW-5	**20100**	**38700**	**2130**	**13300**	**913 J**	<775	<515	**384**
EP-4	**24.0 J**	**1210**	**828**	5430	**308**	<31.0	<20.6	0.040
EP-12	**4420**	**15100**	**1300**	**11400**	**1020**	<388	<258	**62.0**
EP-16	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
EP-20	**8350**	**18200**	**907 J**	**12900**	**983 J**	<620	<412	**296**
SW-1	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075
SW-2	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075
SW-3	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0073
SW-4	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0074
DUP-1 (EP-20)	**11100**	**24400**	**1150**	**17000**	**1210**	<620	<412	**381**
DUP-2 (EP-12)	**4400**	**15400**	**1310**	**11800**	**1070**	<388	<258	**76.3**
DUP-3 (RW-1)	**11400**	**35900**	**2790**	**18900**	**954 J**	<620	<412	**206**
Field Blank	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	0.030
	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074
Trip Blank	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT

Groundwater CoC Site Map

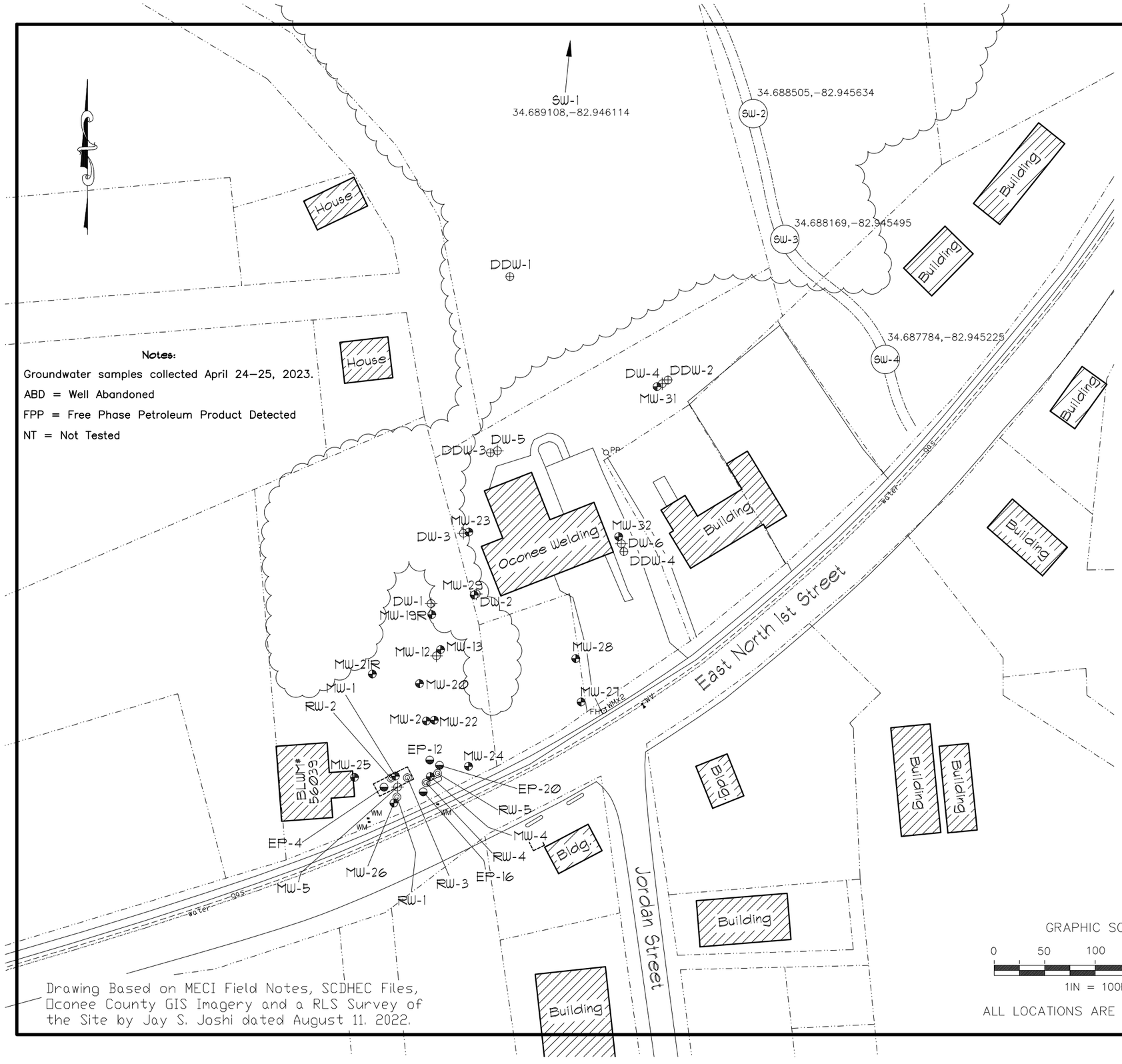
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089

DATE May 9, 2023

FIGURE 3



GROUNDWATER COC CONCENTRATION DATA (Oxygenates)

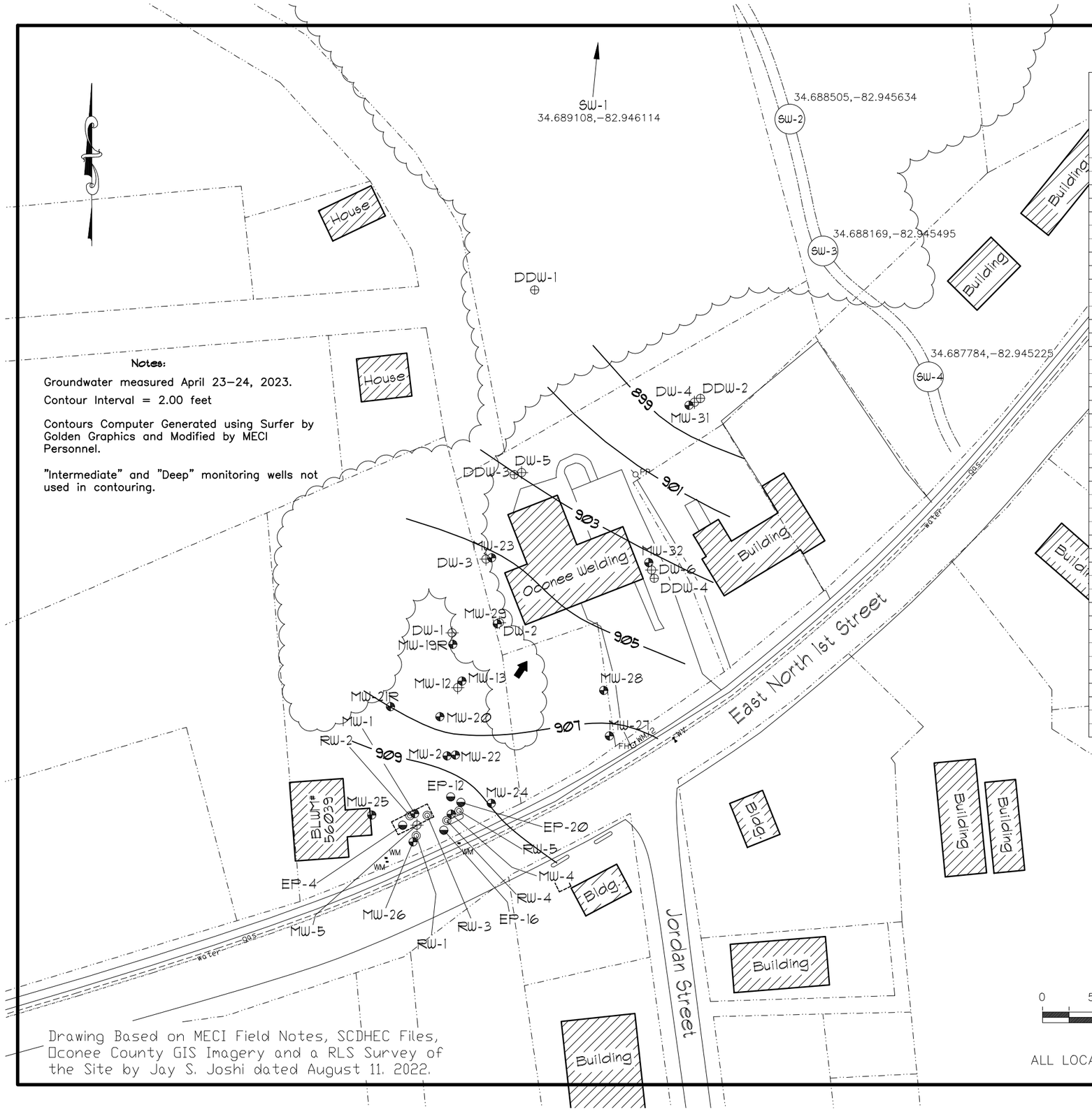
Well ID#	TAA (µg/l) *RBSL 240*	TAME (µg/l) *RBSL 128*	ETBA (µg/l) *RBSL NE*	TBA (µg/l) *RBSL 1,400*	TBF (µg/l) *RBSL NE*	DIPE (µg/l) *RBSL 150*	Ethanol (µg/l) *RBSL 10,000*	ETBE (µg/l) *RBSL 47*
MW-1	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-2	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	3360	<8.5
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-13	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-19R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-21R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-23	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-24	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-25	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
MW-27	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-32	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-1	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
DW-2	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-4	**242 J**	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	<65.6	<3.0	<53.9	<91.0	<24.1	8.9	<144	<8.5
DDW-1 (83.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (119.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-2	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	138 J	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
RW-3	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
EP-12	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-16	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
EP-20	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-4	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP-1 (EP-20)	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (EP-12)	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
DUP-3 (RW-1)	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
Field Blank	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

Groundwater CoC Site Map (Oxygenates)

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089
DATE May 9, 2023
FIGURE 3A



Notes:

Groundwater measured April 23–24, 2023.

Contour Interval = 2.00 feet

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Intermediate" and "Deep" monitoring wells not used in contouring.

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

——— Groundwater Elevation Contour (feet)

POTENTIOMETRIC DATA

Well Number	Screened Interval	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Well-head Elevation	Groundwater Elevation
MW-1	25-40	---	25.95	---	936.88	910.93
MW-2	30-40	---	30.07	---	937.19	907.12
MW-3	30-40	---	ABANDONED	---	ABANDONED	ABANDONED
MW-4	30-40	---	30.11	---	937.64	907.53
MW-5	60-65	---	26.25	---	936.64	910.39
MW-8	N/A	---	ABANDONED	---	ABANDONED	ABANDONED
MW-12	60-65	---	31.05	---	937.69	906.64
MW-13	36-46	---	36.11	---	937.99	901.88
MW-19	35-45	---	ABANDONED	---	ABANDONED	ABANDONED
MW-19R	30-40	---	31.50	---	937.63	906.13
MW-20	30-40	---	31.07	---	936.87	905.80
MW-21	30-40	---	NL	---	NL	NL
MW-21R	22-32	---	26.32	---	934.95	908.63
MW-22	30-40	---	30.19	---	937.61	907.42
MW-23	30-40	---	37.75	---	943.11	905.36
MW-24	30-40	---	30.60	---	938.76	908.16
MW-25	30-40	---	30.43	---	938.88	908.45
MW-26	30-40	25.95	29.96	4.01	937.04	910.49
MW-27	30-40	---	30.18	---	938.17	907.99
MW-28	32-42	---	34.89	---	940.86	905.97
MW-29	35-45	---	37.54	---	943.12	905.58
MW-30	39-49	---	ABANDONED	---	ABANDONED	ABANDONED
MW-31	30-40	---	37.84	---	935.75	897.91
MW-32	30-40	---	34.14	---	937.28	903.14
DW-1	60-65	---	30.08	---	937.18	907.10
DW-2	60-65	---	37.80	---	942.93	905.13
DW-3	60-65	---	37.50	---	942.98	905.48
DW-4	58-63	---	39.35	---	935.93	896.58
DW-5	59-64	---	39.13	---	943.99	904.86
DW-6	60-65	---	33.18	---	937.49	904.31
DDW-1	80-120	---	60.10	---	962.25	902.15
DDW-2	85-90	---	37.57	---	935.41	897.84
DDW-3	85-90	---	39.10	---	943.86	904.76
DDW-4	80-85	---	32.83	---	937.35	904.52
RW-1	20-40	---	27.11	---	937.24	910.13
RW-2	20-40	---	26.26	---	937.36	911.10
RW-3	20-40	---	26.87	---	937.48	910.61
RW-4	20-40	---	27.29	---	937.88	910.59
RW-5	20-40	---	27.69	---	938.26	910.57
EP-4	20-35	---	26.15	---	936.91	910.76
EP-12	20-35	---	27.11	---	937.40	910.29
EP-16	TD: 34.35	27.54	27.56	0.02	937.88	910.34
EP-20	13-35	---	27.81	---	938.07	910.26

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Potentiometric Data Site Map
(Groundwater Contour-"Shallow" Zone)

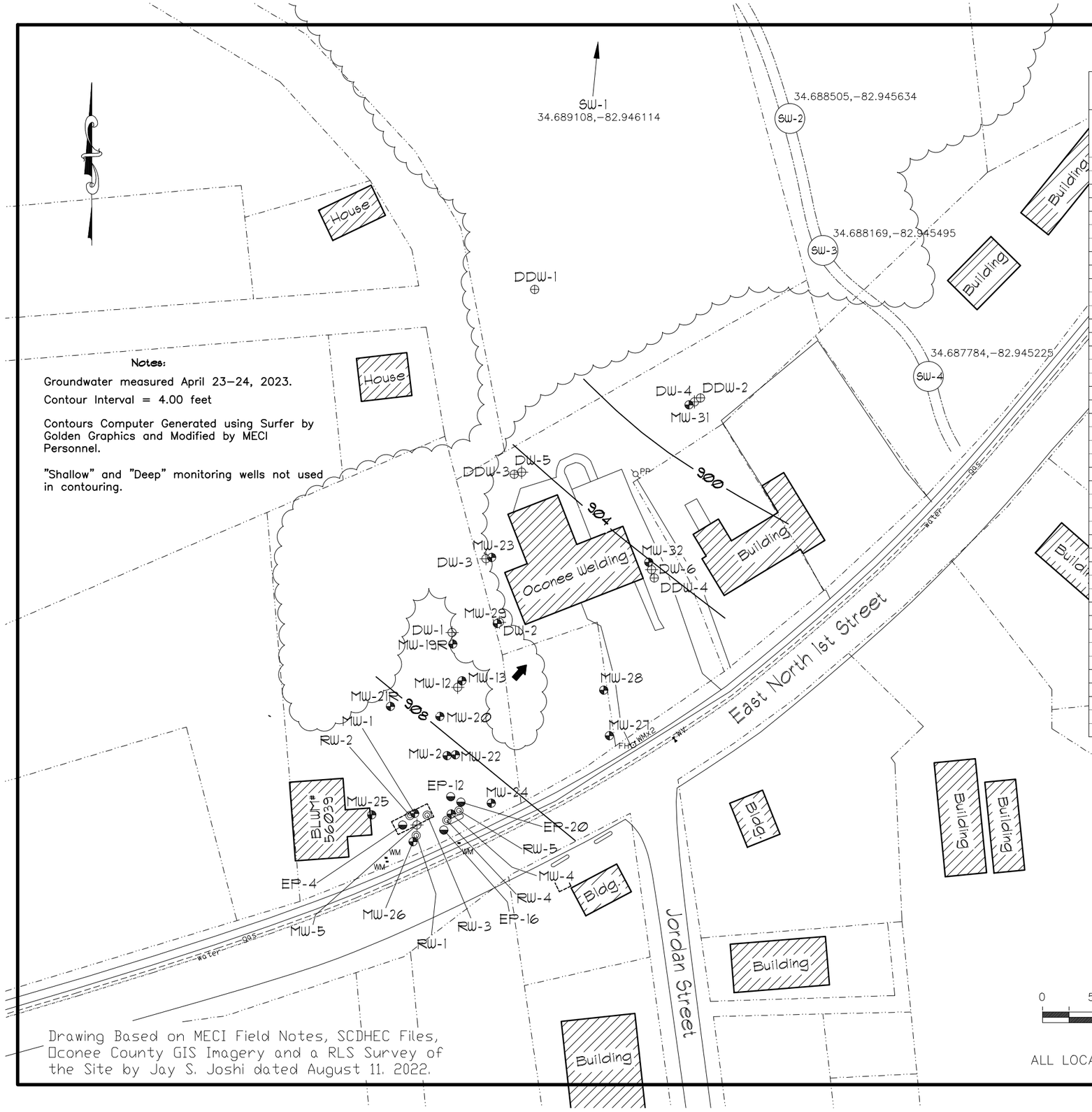
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089

DATE May 9, 2023

FIGURE 4



Notes:

Groundwater measured April 23–24, 2023.

Contour Interval = 4.00 feet

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Shallow" and "Deep" monitoring wells not used in contouring.

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

——— Groundwater Elevation Contour (feet)

POTENTIOMETRIC DATA

Well Number	Screened Interval	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Well-head Elevation	Groundwater Elevation
MW-1	25-40	---	25.95	---	936.88	910.93
MW-2	30-40	---	30.07	---	937.19	907.12
MW-3	30-40	---	ABANDONED	---	ABANDONED	ABANDONED
MW-4	30-40	---	30.11	---	937.64	907.53
MW-5	60-65	---	26.25	---	936.64	910.39
MW-8	N/A	---	ABANDONED	---	ABANDONED	ABANDONED
MW-12	60-65	---	31.05	---	937.69	906.64
MW-13	36-46	---	36.11	---	937.99	901.88
MW-19	35-45	---	ABANDONED	---	ABANDONED	ABANDONED
MW-19R	30-40	---	31.50	---	937.63	906.13
MW-20	30-40	---	31.07	---	936.87	905.80
MW-21	30-40	---	NL	---	NL	NL
MW-21R	22-32	---	26.32	---	934.95	908.63
MW-22	30-40	---	30.19	---	937.61	907.42
MW-23	30-40	---	37.75	---	943.11	905.36
MW-24	30-40	---	30.60	---	938.76	908.16
MW-25	30-40	---	30.43	---	938.88	908.45
MW-26	30-40	25.95	29.96	4.01	937.04	910.49
MW-27	30-40	---	30.18	---	938.17	907.99
MW-28	32-42	---	34.89	---	940.86	905.97
MW-29	35-45	---	37.54	---	943.12	905.58
MW-30	39-49	---	ABANDONED	---	ABANDONED	ABANDONED
MW-31	30-40	---	37.84	---	935.75	897.91
MW-32	30-40	---	34.14	---	937.28	903.14
DW-1	60-65	---	30.08	---	937.18	907.10
DW-2	60-65	---	37.80	---	942.93	905.13
DW-3	60-65	---	37.50	---	942.98	905.48
DW-4	58-63	---	39.35	---	935.93	896.58
DW-5	59-64	---	39.13	---	943.99	904.86
DW-6	60-65	---	33.18	---	937.49	904.31
DDW-1	80-120	---	60.10	---	962.25	902.15
DDW-2	85-90	---	37.57	---	935.41	897.84
DDW-3	85-90	---	39.10	---	943.86	904.76
DDW-4	80-85	---	32.83	---	937.35	904.52
RW-1	20-40	---	27.11	---	937.24	910.13
RW-2	20-40	---	26.26	---	937.36	911.10
RW-3	20-40	---	26.87	---	937.48	910.61
RW-4	20-40	---	27.29	---	937.88	910.59
RW-5	20-40	---	27.69	---	938.26	910.57
EP-4	20-35	---	26.15	---	936.91	910.76
EP-12	20-35	---	27.11	---	937.40	910.29
EP-16	TD: 34.35	27.54	27.56	0.02	937.88	910.34
EP-20	13-35	---	27.81	---	938.07	910.26

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Potentiometric Data Site Map
(Groundwater Contour-"Intermediate" Zone)

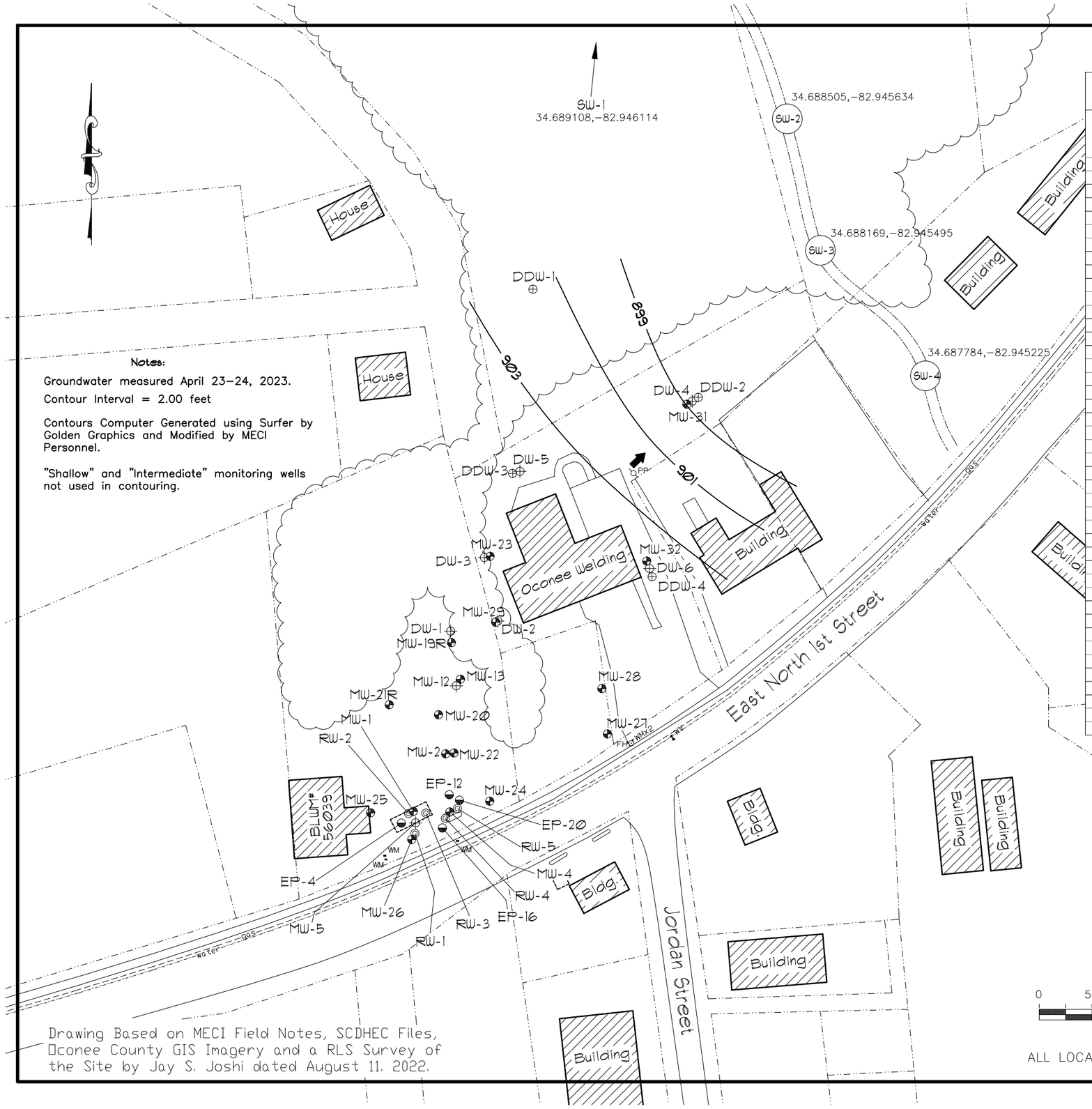
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089

DATE May 9, 2023

FIGURE 4A


SW-1
34.689108,-82.946114
34.688505,-82.945634
SW-2
34.688169,-82.945495
SW-3
34.687784,-82.945225
SW-4
Groundwater Elevation Contour (feet)
Notes:
Groundwater measured April 23-24, 2023.
Contour Interval = 2.00 feet
Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.
"Shallow" and "Intermediate" monitoring wells not used in contouring.
DDW-1
DDW-2
DDW-3
DDW-4
DW-1
DW-2
DW-3
DW-4
DW-5
DW-6
MW-1
MW-2
MW-4
MW-5
MW-12
MW-13
MW-19R
MW-20
MW-21R
MW-22
MW-23
MW-24
MW-25
MW-26
MW-27
MW-28
MW-29
MW-31
MW-32
EP-4
EP-12
EP-16
EP-20
RW-1
RW-2
RW-3
RW-4
RW-5
903
901
899
House
House
Building
Building
Building
Oconee Welding
Building
Bldg.
Bldg.
Building
Building
Building
Building
BLWM# 56033
East North 1st Street
Jordan Street
Water
Water
FH
WM
WM
WM

APPENDIX A:

SITE SURVEY

(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, LM (4/24) | HS, JC, TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 1

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes / No

Conductivity: Yes / No

Dissolved Oxygen: Yes / No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-1 4/25 1	Initial	12:18	7.33	185.2	18.6	2.27	16.02		25.95		25 - 40	1	1	1	Strong odor
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-2 4/25 1	Initial	11:29	7.34	194.3	18.0	3.44	16.28		30.07		30 - 40	1	1	1	odor added 2 bolts
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-3 4/25 1	Initial										30 - 40				ABD
	1st														
	2nd	ABD													
	3rd														
	4th														
	5th														
	Sampling														
MW-4 4/25 1	Initial	12:50	7.28	109.7	18.6	3.<illegible>	13.03		30.11		30 - 40		1	1	Pipe is bent 90 Sampled under Odor
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-5 4/25 1	Initial	13:06	7.09	74.3	18.8	3.37	19.59		26.25		60 – 65	38.75	6.31	32	odor
	1st	13:10	7.51	79.5	18.9	2.11	18.09								
	2nd	13:15	7.23	78.3	18.3	2.96	29.54								
	3rd	13:21	7.24	76.5	18.6	2.02	25.07								
	4th	13:27	7.16	75.8	18.9	2.15	13.02								
	5th	13:33	7.45	79.6	18.6	2.02	10.59						31.58		
	Sampling														
MW-8	Initial		ABD							N/A					ABD
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-12 4/25 1	Initial	11:20	7.47	89.8	17.8	3.85	16.06		31.05		60 – 65	33.95	5.53	28	Slight odor added 2 bolts
	1st	11:26	7.51	89.3	17.3	2.51	19.09								
	2nd	11:32	7.42	91.4	17.8	3.47	29.73								
	3rd	11:38	7.59	92.7	17.3	2.59	34.09								
	4th	11:44	7.49	95.3	17.2	3.47	30.18								
	5th	11:51	7.60	92.6	17.6	3.81	15.50						27.66		
	Sampling														
MW-13 4/25 1	Initial	11:08	8.92	90.2	17.3	5.69	13.69		36.11		36 – 46	1	1	1	odor added 1 bolt
	1st														
	2nd														
	3rd														
	4th														
	5th												1		
	Sampling														

(Depth of Well) - (Depth to Water = **Water Height**

ne Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-19R 4/24	Initial	15:15	5.03	25.5	16.2	3.32	15.73		3.50		30 - 40	3	-	-	no odor added 1 bail
	1st												-		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-20 4/25 1	Initial	11:30	7.38	35.5	17.2	3.76	15.48		3.07		30 - 40	1	1	1	~~no~~ odor
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-21R 4/25 1	Initial	11:18	8.44	22.5	17.5	5.14	16.28		2.32		22 - 32	1	1	1	no odor
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-22 4/25 1	Initial	11:49	7.48	32.9	18.9	2.70	15.98		0.19		30 - 40	1	1	1	~~no~~ odor
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

(Depth of Well) - (Depth to Water = **Water Height**

e Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH:	Yes	No
Conductivity:	Yes	No
Dissolved Oxygen:	Yes	No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager		

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
4/24 MW-23	Initial	12:39	5.28	25.2	17.2	5.51	21.69		4 / 3'		30 - 40	-	-	-	no odor
	1st												-		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
1 MW-24 4/25	Initial	12:30	7.95	148.5	18.2	2.00	13.28		30.67		30 - 40	/	/	/	~~Slight~~ odor
	1st												/		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
1 MW-25 4/25	Initial	12:00	7.49	68.3	12.3	3.55	19.21		30.43		30 - 40	/	/	/	no ~~odor~~ added 2 bolts
	1st												/		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-26	Initial							25.95	29.96		30 - 40				FPP
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

(Depth of Well) - (Depth to Water = Water Height

e Well Volume =x.047 for 1" wells " x .163 for 2" wells, or " x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, LM (4/24) | HS, JC, TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH:	Yes	No
Conductivity:	Yes	No
Dissolved Oxygen:	Yes	No
Turbidity:	Conductivity Calibrated Every 3 Months by QA Manager	

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-27 4/24	Initial	14:31	5.52	38.9	20.1	7.19	23.59		30.18		70	—	—		no odor
	1st										—				
	2nd										40		—	—	
	3rd														
	4th														
	5th														
	Sampling														
MW-28 4/24	Initial	14:24	4.52	129.9	18.9	7.11	19.52		34.89		32	—	—		no odor
	1st										—				
	2nd										42		—	—	
	3rd														
	4th														
	5th														
	Sampling														
MW-29 4/24	Initial	14:17	4.78	42.9	17.1	3.61	23.29		32.54		35	—	—		slight odor
	1st										—				
	2nd										45		—	—	
	3rd														
	4th														
	5th														
	Sampling														
MW-30	Initial														ABD
	1st														
	2nd														
	3rd			ABD											
	4th														
	5th														
	Sampling														

(Depth of Well) - (Depth to Water = Water Height

ne Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
4/24 ↓ MW-31	Initial	11:44	5.65	48.1	18.5	4.02	20.19		34.4		30	—	—	—	no odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling								37		40		—	—	
MW-32	Initial	13:38	6.06	49.1	18.7	8.40	22.63								
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling								34.4		30		—	—	no odor
	Initial														
	1st										40	—	—	—	
Dw-1	Initial	14:38	5.54	55.1	16.3	3.08	20.59								
	1st	14:44	5.40	69.4	16.2	2.91	31.29								
	2nd	14:50	5.51	95.3	16.1	2.86	39.56								
	3rd	14:56	5.59	51.2	16.0	2.75	41.27								
	4th	15:02	5.63	90.6	15.8	2.69	38.55								
	5th	15:08	5.70	95.4	15.7	2.60	22.61								
	Sampling								40.08		60	34.92	5.69	28.50	5l,slt odor
	Initial														
	1st										65		28.45		added 1 bail
Dw-2	Initial	13:45	6.19	93.6	18.5	3.07	21.26								
	1st	13:50	6.03	70.5	18.3	2.95	43.15								
	2nd	13:55	6.01	65.2	18.1	2.76	56.81								
	3rd	14:00	5.92	65.6	17.9	2.49	31.99								
	4th	14:05	5.86	60.1	17.7	2.23	29.52								
	5th	14:10	5.64	53.5	17.5	2.07	24.31								
	Sampling								37.60		60	22.20	4.43	22.50	5l,slt odor
											65		22.16		

(Depth of Well) - (Depth to Water = Water Height

e Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: 4/24 HS, LM | 4/25 HS, JC, TD

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
4/24 ↓ Dw-3	Initial	12:07	5.75	34.8	17.1	2.36	18.75		27.50		60 - 65	27.50	4.48	22.50	no odor
	1st	12:12	5.70	31.6	17.0	2.19	24.92						22.41		
	2nd	12:17	5.61	29.5	16.8	2.01	46.85								
	3rd	12:22	5.59	29.2	16.6	1.92	33.18								
	4th	12:27	5.53	24.3	16.4	1.79	24.15								
	5th	12:32	5.48	22.9	16.2	1.65	21.26								
	Sampling														
Dw-4	Initial	11:17	8.33	56.0	17.8	3.17	21.56		39.35		58 - 63	23.65	3.85	19.50	slight odor
	1st	11:21	8.11	75.2	17.5	3.04	34.22						19.27		
	2nd	11:25	8.08	91.3	17.3	2.96	56.19								
	3rd	11:29	7.95	105.4	17.1	2.81	45.18								
	4th	11:33	7.87	116.7	17.0	2.69	29.34								
	5th	11:37	7.80	121.3	16.9	2.50	20.66								
	Sampling														
1 Dw-5 4/25	Initial	10:18	8.23	90.7	16.8	5.77	13.59		39.13		59 - 64	24.87	9.05	29.5	[redacted] no odor
	1st	10:22	8.41	91.5	16.2	3.13	15.03						29.26		
	2nd	10:27	8.18	92.3	16.3	3.18	28.79								
	3rd	10:33	8.51	96.1	16.4	3.20	32.02								
	4th	10:40	8.57	95.0	16.7	3.12	26.53								
	5th	10:46	8.26	103.8	16.3	3.26	22.09								
	Sampling														
Dw-6	Initial	13:02	6.21	152.5	18.6	4.47	17.88		33.18		60 - 65	31.82	5.18	26gal	Slight odor
	1st	13:07	6.18	137.1	18.4	4.21	27.92						25.93		
	2nd	13:13	6.13	119.8	18.2	4.10	41.11								
	3rd	13:19	6.07	106.4	18.0	4.06	35.43								
	4th	13:25	5.91	95.2	17.6	3.95	26.18								
	5th	13:31	5.56	91.6	17.6	3.87	20.34								
	Sampling														

(Depth of Well) - (Depth to Water = Water Height

e Well Volume =x.047 for 1" wells " x .163 for 2" wells, or " x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: 4/24 HS, LM | 4/25 HS, JC, TD

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
~~MW-1~~	Initial	83.51	9:38						60.10						
	1st	92.51	9:43						-3.80						
DDw-1	2nd	102.5	9:49								80	63.40			Hydrasleeves set 4/24
	3rd	112.5	9:53		Hydrasleeves used						-				
	4th	119.5	10:02								120				
	5th								56.60						
	Sampling														
	Initial	11:00	10.10	326.4	18.2	3.85	15.76								
	1st	11:10	9.37	285.9	17.8	2.79	25.53								
DDw-2	2nd								37.52	39.51	85	52.43	8.54	Prg @ 9gal	Purged 4/24 sampled 4/25 nc odor
	3rd										-				
	4th										90		42.73		
	5th														
	Sampling	10:21	7.52	157.3	17.1	10:08	16.54								
	Initial	11:51	5.74	92.4	17.8	6.09	19.25								
	1st	12:00	6.09	125.3	17.4	7.12	27.86								
DDw-3	2nd								39.10	38.73	85	50.90	8.29	Prg @ 8.50	no odor Purged 4/24 sampled 4/25
	3rd										-				
	4th										90		41.48		
	5th														
	Sampling	10:19	7.68	174.9	16.9	6.82	13.21								
	Initial	12.46	5.58	207.4	19.5	6.51	25.37								
	1st	12:55	5.69	186.3	19.2	6.12	41.22								
DDw-4	2nd								32.63	33.09	80	52.17	8.50	Prg @ 9gal	nc odor Purged 4/24 sampled 4/25
	3rd										-				
	4th										85		42.51		
	5th														
	Sampling	10:33	8.35	177.3	19.5	6.09	19.12								

(Depth of Well) - (Depth to Water = Water Height

ne Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
~~4/24~~ 4/25 Rw-1 Dup-3	Initial	12:50	7.68	195.5	21.3	2.00	15.47		27.11		20 - 40	1	1	1	added 2 bolts Strong odor Dup-3
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
4/25 Rw-2 1	Initial	12:45	7.48	186.6	18.3	3.61	15.40		26.26		20 - 40	1	1	1	Strong odor added 1 bolt
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
4/25 Rw-3 1	Initial	13:20	7.56	175.5	18.4	3.68	153.3		26.87		20 - 40	1	1	1	Strong odor added 1 bolt
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
4/25 Rw-4 1	Initial	12:59	7.50	191.5	18.7	3.51	16.00		27.29		20 - 40	1	1	1	Strong odor added 2 bolts
	1st												1		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

(Depth of Well) - (Depth to Water = Water Height

ne Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS,LM (4/24) | HS,JC,TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH:	Yes	No
Conductivity:	Yes	No
Dissolved Oxygen:	Yes	No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager		

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
~~4/24~~ 4/25 RW-5	Initial	12:39	7.30	159.9	18.9	3.15	13.27		27.69		20 - 40	/	/	/	Strong odor
	1st												/		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
4/25 EP-4	Initial	12:18	7.55	191.7	18.8	3.70	16.53		26.15		20 - 35	/	/	/	odor added 2 bolts
	1st												/		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
4/25 EP-12' Dup-2	Initial	12:25	7.49	110.2	18.1	3.39	15.95		27.11		20 - 35	/	/	/	Strong odor. Dup-2 added 3 bolts
	1st												/		
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
## EP-16	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling							27.59	27.56		TD: 34.35				FPP added 2 bolts

(Depth of Well) - (Depth to Water = **Water Height**

ne Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, LM (4/24) | HS, JC, TD (4/25)

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
4/24 ↓ 4/25 EP-20 Dup-1	Initial	13:01	7.09	40.6	18.7	2.77	13.59		27.81		13 – 35	(	(	(	Strong odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Dupr 1'	Initial														
	1st	13:01	EP-20				4/25								Dup-1 added 2 days
Dup 2' Dup-3	2nd														
	3rd														
	4th	12:25	EP-12				4/25								
	5th														
	Sampling	12:50	RW-1				4/25								
FB-1	Initial														
FB-2	1st	15:18	4/24												
TB-1	2nd	15:00	4/25												
TB-2	3rd														
	4th	8:00	4/24												
	5th														
	Sampling	8:00	4/25												
GAC	Initial														
	1st	15:01	4/25												
SW-1	2nd														
	3rd	10:21	– Sampled from creek					(34, 689108, -82.946114)							
	4th														
SW-2	5th														
	Sampling	10:27	– Sampled from creek					(34, 688595, -82.945634)							

(Depth of Well) - (Depth to Water = **Water Height**

e Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: 4/24 HS, LM | 4/25 HS, JC, TD

Sampling Date(s): 4-24-23 → 4-25-23

Sampling Case#: 2

Job Name: Unknown 14324

Job Number: 23-8089

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
~~4/24~~ ↓ Sw. 3, 4/25	Initial														
	1st														
	2nd	10:16	sampled from creek												
	3rd														
	4th														
	5th														
	Sampling														
Sw. 4, 4/25	Initial	10:19	sampled from creek												
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

(34.687689, -82.945995)

(34.687784, -82.945225)

*(Depth of Well) - (Depth to Water = Water Height
e Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

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

May 03, 2023

Mr. Bryan Shane, P.G.
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: UNKNOWN 14324
Pace Project No.: 92664683

Dear Mr. Shane, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

CERTIFICATIONS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE SUMMARY

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92664683001	**MW-1**	Water	04/25/23 12:18	04/26/23 11:00
92664683002	**MW-2**	Water	04/25/23 11:29	04/26/23 11:00
92664683003	**MW-4**	Water	04/25/23 12:50	04/26/23 11:00
92664683004	**MW-5**	Water	04/25/23 13:33	04/26/23 11:00
92664683005	**MW-12**	Water	04/25/23 11:51	04/26/23 11:00
92664683006	**MW-13**	Water	04/25/23 11:08	04/26/23 11:00
92664683007	**MW-19r**	Water	04/24/23 15:15	04/26/23 11:00
92664683008	**MW-20**	Water	04/25/23 11:30	04/26/23 11:00
92664683009	**MW-21r**	Water	04/25/23 11:18	04/26/23 11:00
92664683010	**MW-22**	Water	04/25/23 11:40	04/26/23 11:00
92664683011	**MW-23**	Water	04/24/23 12:39	04/26/23 11:00
92664683012	**MW-24**	Water	04/25/23 12:30	04/26/23 11:00
92664683013	**MW-25**	Water	04/25/23 12:00	04/26/23 11:00
92664683014	**MW-27**	Water	04/24/23 14:31	04/26/23 11:00
92664683015	**MW-28**	Water	04/24/23 14:24	04/26/23 11:00
92664683016	**MW-29**	Water	04/24/23 14:17	04/26/23 11:00
92664683017	**MW-31**	Water	04/24/23 11:44	04/26/23 11:00
92664683018	**MW-32**	Water	04/24/23 13:38	04/26/23 11:00
92664683019	**DW-1**	Water	04/24/23 15:08	04/26/23 11:00
92664683020	**DW-2**	Water	04/24/23 14:10	04/26/23 11:00
92664683021	**DW-3**	Water	04/24/23 12:32	04/26/23 11:00
92664683022	**DW-4**	Water	04/24/23 11:37	04/26/23 11:00
92664683023	**DW-5**	Water	04/25/23 10:46	04/26/23 11:00
92664683024	**DW-6**	Water	04/24/23 13:31	04/26/23 11:00
92664683025	**DDW-1A (83.5)**	Water	04/25/23 09:38	04/26/23 11:00
92664683026	**DDW-1B (92.5)**	Water	04/25/23 09:43	04/26/23 11:00
92664683027	**DDW-1C (102.5)**	Water	04/25/23 09:49	04/26/23 11:00
92664683028	**DDW-1D (112.5)**	Water	04/25/23 09:53	04/26/23 11:00
92664683029	**DDW-1E (119.5)**	Water	04/25/23 10:02	04/26/23 11:00
92664683030	**DDW-2**	Water	04/25/23 10:21	04/26/23 11:00
92664683031	**DDW-3**	Water	04/25/23 10:19	04/26/23 11:00
92664683032	**DDW-4**	Water	04/25/23 10:35	04/26/23 11:00
92664683033	**RW-1**	Water	04/25/23 12:50	04/26/23 11:00
92664683034	**RW-2**	Water	04/25/23 12:45	04/26/23 11:00
92664683035	**RW-3**	Water	04/25/23 13:20	04/26/23 11:00
92664683036	**RW-4**	Water	04/25/23 12:54	04/26/23 11:00
92664683037	**RW-5**	Water	04/25/23 12:34	04/26/23 11:00

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE SUMMARY

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92664683038	**EP-4**	Water	04/25/23 12:18	04/26/23 11:00
92664683039	**EP-12**	Water	04/25/23 12:25	04/26/23 11:00
92664683040	**EP-20**	Water	04/25/23 13:01	04/26/23 11:00
92664683041	**DUP-1**	Water	04/25/23 00:00	04/26/23 11:00
92664683042	**DUP-2**	Water	04/25/23 00:00	04/26/23 11:00
92664683043	**DUP-3**	Water	04/25/23 00:00	04/26/23 11:00
92664683044	**FB-1**	Water	04/24/23 15:18	04/26/23 11:00
92664683045	**FB-2**	Water	04/25/23 15:00	04/26/23 11:00
92664683046	**TB-1**	Water	04/24/23 08:00	04/26/23 11:00
92664683047	**TB-2**	Water	04/24/23 08:00	04/26/23 11:00
92664683048	**GAC**	Water	04/25/23 15:01	04/26/23 11:00
92664683049	**SW-1**	Water	04/25/23 10:21	04/26/23 11:00
92664683050	**SW-2**	Water	04/25/23 10:27	04/26/23 11:00
92664683051	**SW-3**	Water	04/25/23 10:16	04/26/23 11:00
92664683052	**SW-4**	Water	04/25/23 10:19	04/26/23 11:00

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92664683001	MW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683002	MW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683003	MW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683004	MW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683005	MW-12	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683006	MW-13	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683007	MW-19r	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683008	MW-20	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683009	MW-21r	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683010	MW-22	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92664683011	MW-23	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683012	MW-24	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683013	MW-25	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683014	MW-27	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683015	MW-28	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683016	MW-29	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683017	MW-31	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683018	MW-32	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683019	DW-1	EPA 8011	HH	2	PASI-C

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260D	CL	20	PASI-C
92664683020	DW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683021	DW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683022	DW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683023	DW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683024	DW-6	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683025	DDW-1A (83.5)	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683026	DDW-1B (92.5)	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683027	DDW-1C (102.5)	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683028	DDW-1D (112.5)	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683029	DDW-1E (119.5)	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683030	DDW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683031	DDW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683032	DDW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683033	RW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683034	RW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683035	RW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683036	RW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683037	RW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92664683038	**EP-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683039	**EP-12**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683040	**EP-20**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683041	**DUP-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683042	**DUP-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92664683043	**DUP-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92664683044	**FB-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683045	**FB-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683046	**TB-1**	EPA 8260D	CL	20	PASI-C
92664683047	**TB-2**	EPA 8260D	CL	20	PASI-C
92664683048	**GAC**	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683049	**SW-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92664683050	**SW-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C
92664683051	**SW-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C
92664683052	**SW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-1 **Lab ID: 92664683001** Collected: 04/25/23 12:18 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 14:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	05/02/23 11:31	05/02/23 14:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 12:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 12:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 12:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 12:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 12:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 12:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 12:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 12:14	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 12:14	64-17-5	
Ethylbenzene	**112**	ug/L	5.0	1.8	1		05/02/23 12:14	100-41-4	M1
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 12:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 12:14	1634-04-4	
Naphthalene	**76.9**	ug/L	5.0	2.1	1		05/02/23 12:14	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 12:14	108-88-3	
Xylene (Total)	**395**	ug/L	5.0	5.0	1		05/02/23 12:14	1330-20-7	
m&p-Xylene	**339**	ug/L	10.0	4.1	1		05/02/23 12:14	179601-23-1	
o-Xylene	**55.8**	ug/L	5.0	2.0	1		05/02/23 12:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	119	%	70-130		1		05/02/23 12:14	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/02/23 12:14	17060-07-0	
Toluene-d8 (S)	92	%	70-130		1		05/02/23 12:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-2 **Lab ID: 92664683002** Collected: 04/25/23 11:29 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**67.5**	ug/L	1.9	0.73	100	05/02/23 11:31	05/03/23 12:16	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	05/02/23 11:31	05/03/23 12:16	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		05/03/23 07:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		05/03/23 07:08	994-05-8	
Benzene	**9090**	ug/L	625	218	125		05/03/23 07:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		05/03/23 07:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		05/03/23 07:08	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		05/03/23 07:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		05/03/23 07:08	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		05/03/23 07:08	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		05/03/23 07:08	64-17-5	
Ethylbenzene	**2120**	ug/L	625	230	125		05/03/23 07:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		05/03/23 07:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		05/03/23 07:08	1634-04-4	
Naphthalene	**545J**	ug/L	625	261	125		05/03/23 07:08	91-20-3	
Toluene	**24100**	ug/L	625	251	125		05/03/23 07:08	108-88-3	
Xylene (Total)	**11900**	ug/L	625	625	125		05/03/23 07:08	1330-20-7	
m&p-Xylene	**7850**	ug/L	1250	514	125		05/03/23 07:08	179601-23-1	
o-Xylene	**4000**	ug/L	625	255	125		05/03/23 07:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		125		05/03/23 07:08	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		125		05/03/23 07:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		125		05/03/23 07:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-4 **Lab ID: 92664683003** Collected: 04/25/23 12:50 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**293**	ug/L	10.1	3.8	500	05/02/23 11:31	05/03/23 12:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	05/02/23 11:31	05/03/23 12:27	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		05/03/23 07:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		05/03/23 07:44	994-05-8	
Benzene	**12900**	ug/L	1250	435	250		05/03/23 07:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		05/03/23 07:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		05/03/23 07:44	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		05/03/23 07:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		05/03/23 07:44	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		05/03/23 07:44	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		05/03/23 07:44	64-17-5	
Ethylbenzene	**2180**	ug/L	1250	460	250		05/03/23 07:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		05/03/23 07:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		05/03/23 07:44	1634-04-4	
Naphthalene	**750J**	ug/L	1250	522	250		05/03/23 07:44	91-20-3	
Toluene	**33800**	ug/L	1250	502	250		05/03/23 07:44	108-88-3	
Xylene (Total)	**13400**	ug/L	1250	1250	250		05/03/23 07:44	1330-20-7	
m&p-Xylene	**8820**	ug/L	2500	1030	250		05/03/23 07:44	179601-23-1	
o-Xylene	**4540**	ug/L	1250	510	250		05/03/23 07:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		250		05/03/23 07:44	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		250		05/03/23 07:44	17060-07-0	
Toluene-d8 (S)	98	%	70-130		250		05/03/23 07:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-5 **Lab ID: 92664683004** Collected: 04/25/23 13:33 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.12**	ug/L	0.020	0.0074	1	05/02/23 11:31	05/02/23 15:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	85	%	60-140		1	05/02/23 11:31	05/02/23 15:35	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 05:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 05:40	994-05-8	
Benzene	**21.4**	ug/L	5.0	1.7	1		05/03/23 05:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 05:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 05:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 05:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 05:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 05:40	108-20-3	
Ethanol	**3360**	ug/L	200	144	1		05/03/23 05:40	64-17-5	
Ethylbenzene	**5.5**	ug/L	5.0	1.8	1		05/03/23 05:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 05:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 05:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/03/23 05:40	91-20-3	
Toluene	**45.3**	ug/L	5.0	2.0	1		05/03/23 05:40	108-88-3	
Xylene (Total)	**27.9**	ug/L	5.0	5.0	1		05/03/23 05:40	1330-20-7	
m&p-Xylene	**18.5**	ug/L	10.0	4.1	1		05/03/23 05:40	179601-23-1	
o-Xylene	**9.3**	ug/L	5.0	2.0	1		05/03/23 05:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/03/23 05:40	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		05/03/23 05:40	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/03/23 05:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-12 **Lab ID: 92664683005** Collected: 04/25/23 11:51 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**25.7**	ug/L	0.79	0.30	40	05/02/23 11:31	05/03/23 12:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		40	05/02/23 11:31	05/03/23 12:37	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		05/03/23 06:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		05/03/23 06:33	994-05-8	
Benzene	**4060**	ug/L	500	174	100		05/03/23 06:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		05/03/23 06:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		05/03/23 06:33	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		05/03/23 06:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		05/03/23 06:33	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		05/03/23 06:33	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		05/03/23 06:33	64-17-5	
Ethylbenzene	**1360**	ug/L	500	184	100		05/03/23 06:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		05/03/23 06:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		05/03/23 06:33	1634-04-4	
Naphthalene	**422J**	ug/L	500	209	100		05/03/23 06:33	91-20-3	
Toluene	**14600**	ug/L	500	201	100		05/03/23 06:33	108-88-3	
Xylene (Total)	**6900**	ug/L	500	500	100		05/03/23 06:33	1330-20-7	
m&p-Xylene	**4580**	ug/L	1000	411	100		05/03/23 06:33	179601-23-1	
o-Xylene	**2320**	ug/L	500	204	100		05/03/23 06:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		100		05/03/23 06:33	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		100		05/03/23 06:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		100		05/03/23 06:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-13 **Lab ID: 92664683006** Collected: 04/25/23 11:08 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**29.4**	ug/L	1.0	0.38	50	05/02/23 11:31	05/03/23 12:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	05/02/23 11:31	05/03/23 12:48	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		05/03/23 06:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		05/03/23 06:15	994-05-8	
Benzene	**2520**	ug/L	200	69.6	40		05/03/23 06:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		05/03/23 06:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		05/03/23 06:15	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		05/03/23 06:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		05/03/23 06:15	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		05/03/23 06:15	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		05/03/23 06:15	64-17-5	
Ethylbenzene	**404**	ug/L	200	73.6	40		05/03/23 06:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		05/03/23 06:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		05/03/23 06:15	1634-04-4	
Naphthalene	**205**	ug/L	200	83.6	40		05/03/23 06:15	91-20-3	
Toluene	**4690**	ug/L	200	80.4	40		05/03/23 06:15	108-88-3	
Xylene (Total)	**2560**	ug/L	200	200	40		05/03/23 06:15	1330-20-7	
m&p-Xylene	**1700**	ug/L	400	164	40		05/03/23 06:15	179601-23-1	
o-Xylene	**855**	ug/L	200	81.6	40		05/03/23 06:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		40		05/03/23 06:15	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		40		05/03/23 06:15	17060-07-0	
Toluene-d8 (S)	98	%	70-130		40		05/03/23 06:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-19r **Lab ID: 92664683007** Collected: 04/24/23 15:15 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.11**	ug/L	0.020	0.0074	1	05/02/23 11:31	05/02/23 16:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	05/02/23 11:31	05/02/23 16:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 21:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 21:07	994-05-8	
Benzene	**1.8J**	ug/L	5.0	1.7	1		05/01/23 21:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 21:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 21:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 21:07	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 21:07	107-06-2	M1
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 21:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 21:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 21:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 21:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 21:07	1634-04-4	
Naphthalene	**10.9**	ug/L	5.0	2.1	1		05/01/23 21:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 21:07	108-88-3	
Xylene (Total)	**124**	ug/L	5.0	5.0	1		05/01/23 21:07	1330-20-7	
m&p-Xylene	**87.2**	ug/L	10.0	4.1	1		05/01/23 21:07	179601-23-1	
o-Xylene	**36.8**	ug/L	5.0	2.0	1		05/01/23 21:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/01/23 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		05/01/23 21:07	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		05/01/23 21:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-20 **Lab ID: 92664683008** Collected: 04/25/23 11:30 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 16:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	05/02/23 11:31	05/02/23 16:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 08:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 08:19	994-05-8	
Benzene	**33.1**	ug/L	5.0	1.7	1		05/03/23 08:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 08:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 08:19	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 08:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 08:19	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 08:19	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/03/23 08:19	64-17-5	
Ethylbenzene	**45.9**	ug/L	5.0	1.8	1		05/03/23 08:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 08:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 08:19	1634-04-4	
Naphthalene	**75.9**	ug/L	5.0	2.1	1		05/03/23 08:19	91-20-3	
Toluene	**4.0J**	ug/L	5.0	2.0	1		05/03/23 08:19	108-88-3	
Xylene (Total)	**417**	ug/L	5.0	5.0	1		05/03/23 08:19	1330-20-7	
m&p-Xylene	**276**	ug/L	10.0	4.1	1		05/03/23 08:19	179601-23-1	
o-Xylene	**142**	ug/L	5.0	2.0	1		05/03/23 08:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/23 08:19	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		05/03/23 08:19	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/03/23 08:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-21r **Lab ID: 92664683009** Collected: 04/25/23 11:18 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 16:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	62	%	60-140		1	05/02/23 11:31	05/02/23 16:29	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 21:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 21:24	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 21:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 21:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 21:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 21:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 21:24	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 21:24	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 21:24	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 21:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 21:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 21:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 21:24	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 21:24	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 21:24	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 21:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 21:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/01/23 21:24	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		05/01/23 21:24	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/01/23 21:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-22 **Lab ID: 92664683010** Collected: 04/25/23 11:40 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**46.1**	ug/L	1.0	0.38	50	05/02/23 11:31	05/03/23 12:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	05/02/23 11:31	05/03/23 12:59	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		05/03/23 06:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		05/03/23 06:51	994-05-8	
Benzene	**5620**	ug/L	500	174	100		05/03/23 06:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		05/03/23 06:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		05/03/23 06:51	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		05/03/23 06:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		05/03/23 06:51	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		05/03/23 06:51	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		05/03/23 06:51	64-17-5	
Ethylbenzene	**1270**	ug/L	500	184	100		05/03/23 06:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		05/03/23 06:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		05/03/23 06:51	1634-04-4	
Naphthalene	**373J**	ug/L	500	209	100		05/03/23 06:51	91-20-3	
Toluene	**14500**	ug/L	500	201	100		05/03/23 06:51	108-88-3	
Xylene (Total)	**7050**	ug/L	500	500	100		05/03/23 06:51	1330-20-7	
m&p-Xylene	**4680**	ug/L	1000	411	100		05/03/23 06:51	179601-23-1	
o-Xylene	**2370**	ug/L	500	204	100		05/03/23 06:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		100		05/03/23 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		100		05/03/23 06:51	17060-07-0	
Toluene-d8 (S)	98	%	70-130		100		05/03/23 06:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-23 **Lab ID: 92664683011** Collected: 04/24/23 12:39 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 16:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	05/02/23 11:31	05/02/23 16:50	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 21:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 21:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 21:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 21:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 21:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 21:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 21:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 21:42	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 21:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 21:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 21:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 21:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 21:42	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 21:42	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 21:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 21:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 21:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/01/23 21:42	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		05/01/23 21:42	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/01/23 21:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-24 **Lab ID: 92664683012** Collected: 04/25/23 12:30 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**134**	ug/L	5.0	1.9	250	05/02/23 11:31	05/03/23 13:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		250	05/02/23 11:31	05/03/23 13:09	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		05/02/23 02:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		05/02/23 02:40	994-05-8	
Benzene	**3940**	ug/L	200	69.6	40		05/02/23 02:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		05/02/23 02:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		05/02/23 02:40	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		05/02/23 02:40	762-75-4	
1,2-Dichloroethane	**254**	ug/L	200	82.4	40		05/02/23 02:40	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		05/02/23 02:40	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		05/02/23 02:40	64-17-5	
Ethylbenzene	**474**	ug/L	200	73.6	40		05/02/23 02:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		05/02/23 02:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		05/02/23 02:40	1634-04-4	
Naphthalene	**177J**	ug/L	200	83.6	40		05/02/23 02:40	91-20-3	
Toluene	**4040**	ug/L	200	80.4	40		05/02/23 02:40	108-88-3	
Xylene (Total)	**3330**	ug/L	200	200	40		05/02/23 02:40	1330-20-7	
m&p-Xylene	**2240**	ug/L	400	164	40		05/02/23 02:40	179601-23-1	
o-Xylene	**1090**	ug/L	200	81.6	40		05/02/23 02:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		40		05/02/23 02:40	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		40		05/02/23 02:40	17060-07-0	
Toluene-d8 (S)	104	%	70-130		40		05/02/23 02:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-25 **Lab ID: 92664683013** Collected: 04/25/23 12:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0076	1	05/02/23 11:31	05/02/23 17:12	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	05/02/23 11:31	05/02/23 17:12	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 05:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 05:58	994-05-8	
Benzene	**3.4J**	ug/L	5.0	1.7	1		05/03/23 05:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 05:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 05:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 05:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 05:58	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 05:58	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/03/23 05:58	64-17-5	
Ethylbenzene	**20.4**	ug/L	5.0	1.8	1		05/03/23 05:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 05:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 05:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/03/23 05:58	91-20-3	
Toluene	**5.5**	ug/L	5.0	2.0	1		05/03/23 05:58	108-88-3	
Xylene (Total)	**170**	ug/L	5.0	5.0	1		05/03/23 05:58	1330-20-7	MS
m&p-Xylene	**138**	ug/L	10.0	4.1	1		05/03/23 05:58	179601-23-1	M1
o-Xylene	**32.1**	ug/L	5.0	2.0	1		05/03/23 05:58	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/03/23 05:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/03/23 05:58	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		05/03/23 05:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-27 **Lab ID: 92664683014** Collected: 04/24/23 14:31 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 17:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	05/02/23 11:31	05/02/23 17:22	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 22:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 22:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 22:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 22:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 22:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 22:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 22:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 22:00	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 22:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 22:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 22:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 22:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 22:00	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 22:00	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 22:00	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 22:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 22:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/01/23 22:00	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		05/01/23 22:00	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/01/23 22:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-28 **Lab ID: 92664683015** Collected: 04/24/23 14:24 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 17:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	05/02/23 11:31	05/02/23 17:33	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 22:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 22:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 22:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 22:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 22:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 22:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 22:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 22:17	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 22:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 22:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 22:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 22:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 22:17	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 22:17	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 22:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 22:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 22:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/01/23 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		05/01/23 22:17	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		05/01/23 22:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-29 **Lab ID: 92664683016** Collected: 04/24/23 14:17 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**23.0**	ug/L	0.50	0.19	25	05/02/23 11:31	05/03/23 13:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		25	05/02/23 11:31	05/03/23 13:20	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		05/03/23 12:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		05/03/23 12:28	994-05-8	
Benzene	**2380**	ug/L	125	43.5	25		05/03/23 12:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		05/03/23 12:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		05/03/23 12:28	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		05/03/23 12:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		05/03/23 12:28	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		05/03/23 12:28	108-20-3	v2
Ethanol	ND	ug/L	5000	3600	25		05/03/23 12:28	64-17-5	
Ethylbenzene	**737**	ug/L	125	46.0	25		05/03/23 12:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		05/03/23 12:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		05/03/23 12:28	1634-04-4	
Naphthalene	**339**	ug/L	125	52.2	25		05/03/23 12:28	91-20-3	
Toluene	**2070**	ug/L	125	50.2	25		05/03/23 12:28	108-88-3	
Xylene (Total)	**4230**	ug/L	125	125	25		05/03/23 12:28	1330-20-7	
m&p-Xylene	**3210**	ug/L	250	103	25		05/03/23 12:28	179601-23-1	
o-Xylene	**1020**	ug/L	125	51.0	25		05/03/23 12:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		25		05/03/23 12:28	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		25		05/03/23 12:28	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		05/03/23 12:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-31 **Lab ID: 92664683017** Collected: 04/24/23 11:44 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 17:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	65	%	60-140		1	05/02/23 11:31	05/02/23 17:54	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 06:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 06:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/03/23 06:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 06:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 06:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 06:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 06:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 06:16	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/03/23 06:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/03/23 06:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 06:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 06:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/03/23 06:16	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/03/23 06:16	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/03/23 06:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/03/23 06:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/03/23 06:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/23 06:16	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		05/03/23 06:16	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		05/03/23 06:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: MW-32 **Lab ID: 92664683018** Collected: 04/24/23 13:38 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 18:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	05/02/23 11:31	05/02/23 18:05	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 06:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 06:34	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/03/23 06:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 06:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 06:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 06:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 06:34	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 06:34	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/03/23 06:34	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/03/23 06:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 06:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 06:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/03/23 06:34	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/03/23 06:34	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/03/23 06:34	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/03/23 06:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/03/23 06:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/23 06:34	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		05/03/23 06:34	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/03/23 06:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-1 **Lab ID: 92664683019** Collected: 04/24/23 15:08 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**6.7**	ug/L	0.20	0.076	10	05/02/23 11:31	05/03/23 13:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	05/02/23 11:31	05/03/23 13:31	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	2000	1310	20		05/03/23 07:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	60.8	20		05/03/23 07:09	994-05-8	
Benzene	**2780**	ug/L	100	34.8	20		05/03/23 07:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1080	20		05/03/23 07:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1820	20		05/03/23 07:09	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	482	20		05/03/23 07:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	41.2	20		05/03/23 07:09	107-06-2	
Diisopropyl ether	ND	ug/L	100	69.8	20		05/03/23 07:09	108-20-3	
Ethanol	ND	ug/L	4000	2880	20		05/03/23 07:09	64-17-5	
Ethylbenzene	**92.2J**	ug/L	100	36.8	20		05/03/23 07:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	169	20		05/03/23 07:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	62.0	20		05/03/23 07:09	1634-04-4	
Naphthalene	ND	ug/L	100	41.8	20		05/03/23 07:09	91-20-3	
Toluene	**608**	ug/L	100	40.2	20		05/03/23 07:09	108-88-3	
Xylene (Total)	**1010**	ug/L	100	100	20		05/03/23 07:09	1330-20-7	
m&p-Xylene	**722**	ug/L	200	82.2	20		05/03/23 07:09	179601-23-1	
o-Xylene	**290**	ug/L	100	40.8	20		05/03/23 07:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		05/03/23 07:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		20		05/03/23 07:09	17060-07-0	
Toluene-d8 (S)	103	%	70-130		20		05/03/23 07:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-2 **Lab ID: 92664683020** Collected: 04/24/23 14:10 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**73.7**	ug/L	2.0	0.75	100	05/02/23 11:31	05/03/23 13:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	05/02/23 11:31	05/03/23 13:41	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	5000	3280	50		05/03/23 12:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	152	50		05/03/23 12:46	994-05-8	
Benzene	**7480**	ug/L	250	87.0	50		05/03/23 12:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2700	50		05/03/23 12:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	4550	50		05/03/23 12:46	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1200	50		05/03/23 12:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	103	50		05/03/23 12:46	107-06-2	
Diisopropyl ether	ND	ug/L	250	174	50		05/03/23 12:46	108-20-3	v2
Ethanol	ND	ug/L	10000	7200	50		05/03/23 12:46	64-17-5	
Ethylbenzene	**685**	ug/L	250	92.0	50		05/03/23 12:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	423	50		05/03/23 12:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	155	50		05/03/23 12:46	1634-04-4	
Naphthalene	**172J**	ug/L	250	104	50		05/03/23 12:46	91-20-3	
Toluene	**6360**	ug/L	250	100	50		05/03/23 12:46	108-88-3	
Xylene (Total)	**4420**	ug/L	250	250	50		05/03/23 12:46	1330-20-7	
m&p-Xylene	**3190**	ug/L	500	206	50		05/03/23 12:46	179601-23-1	
o-Xylene	**1230**	ug/L	250	102	50		05/03/23 12:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		50		05/03/23 12:46	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		50		05/03/23 12:46	17060-07-0	
Toluene-d8 (S)	98	%	70-130		50		05/03/23 12:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-3 **Lab ID: 92664683021** Collected: 04/24/23 12:32 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**1.7**	ug/L	0.050	0.019	2.5	05/02/23 11:31	05/03/23 13:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	126	%	60-140		2.5	05/02/23 11:31	05/03/23 13:52	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	250	164	2.5		05/03/23 07:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	7.6	2.5		05/03/23 07:44	994-05-8	
Benzene	**312**	ug/L	12.5	4.4	2.5		05/03/23 07:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	135	2.5		05/03/23 07:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	228	2.5		05/03/23 07:44	75-65-0	
tert-Butyl Formate	ND	ug/L	125	60.2	2.5		05/03/23 07:44	762-75-4	
1,2-Dichloroethane	**5.9J**	ug/L	12.5	5.2	2.5		05/03/23 07:44	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	8.7	2.5		05/03/23 07:44	108-20-3	
Ethanol	ND	ug/L	500	360	2.5		05/03/23 07:44	64-17-5	
Ethylbenzene	ND	ug/L	12.5	4.6	2.5		05/03/23 07:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	21.2	2.5		05/03/23 07:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	12.5	7.8	2.5		05/03/23 07:44	1634-04-4	
Naphthalene	**15.4**	ug/L	12.5	5.2	2.5		05/03/23 07:44	91-20-3	
Toluene	ND	ug/L	12.5	5.0	2.5		05/03/23 07:44	108-88-3	
Xylene (Total)	**187**	ug/L	12.5	12.5	2.5		05/03/23 07:44	1330-20-7	
m&p-Xylene	**67.4**	ug/L	25.0	10.3	2.5		05/03/23 07:44	179601-23-1	
o-Xylene	**119**	ug/L	12.5	5.1	2.5		05/03/23 07:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		05/03/23 07:44	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		2.5		05/03/23 07:44	17060-07-0	
Toluene-d8 (S)	103	%	70-130		2.5		05/03/23 07:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-4 **Lab ID: 92664683022** Collected: 04/24/23 11:37 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**1.1**	ug/L	0.050	0.019	2.5	05/02/23 11:31	05/03/23 14:14	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		2.5	05/02/23 11:31	05/03/23 14:14	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**242J**	ug/L	250	164	2.5		05/03/23 10:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	7.6	2.5		05/03/23 10:41	994-05-8	
Benzene	**279**	ug/L	12.5	4.4	2.5		05/03/23 10:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	135	2.5		05/03/23 10:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	228	2.5		05/03/23 10:41	75-65-0	
tert-Butyl Formate	ND	ug/L	125	60.2	2.5		05/03/23 10:41	762-75-4	
1,2-Dichloroethane	**10.7J**	ug/L	12.5	5.2	2.5		05/03/23 10:41	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	8.7	2.5		05/03/23 10:41	108-20-3	v2
Ethanol	ND	ug/L	500	360	2.5		05/03/23 10:41	64-17-5	
Ethylbenzene	ND	ug/L	12.5	4.6	2.5		05/03/23 10:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	21.2	2.5		05/03/23 10:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	12.5	7.8	2.5		05/03/23 10:41	1634-04-4	
Naphthalene	**7.0J**	ug/L	12.5	5.2	2.5		05/03/23 10:41	91-20-3	
Toluene	ND	ug/L	12.5	5.0	2.5		05/03/23 10:41	108-88-3	
Xylene (Total)	**79.3**	ug/L	12.5	12.5	2.5		05/03/23 10:41	1330-20-7	
m&p-Xylene	**35.3**	ug/L	25.0	10.3	2.5		05/03/23 10:41	179601-23-1	
o-Xylene	**44.0**	ug/L	12.5	5.1	2.5		05/03/23 10:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		2.5		05/03/23 10:41	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		2.5		05/03/23 10:41	17060-07-0	
Toluene-d8 (S)	96	%	70-130		2.5		05/03/23 10:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-5 **Lab ID: 92664683023** Collected: 04/25/23 10:46 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 20:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	05/02/23 11:31	05/02/23 20:14	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 12:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 12:50	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 12:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 12:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 12:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 12:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 12:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 12:50	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 12:50	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 12:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 12:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 12:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 12:50	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 12:50	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 12:50	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 12:50	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 12:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/02/23 12:50	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/02/23 12:50	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		05/02/23 12:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DW-6 **Lab ID: 92664683024** Collected: 04/24/23 13:31 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.29**	ug/L	0.020	0.0074	1	05/02/23 11:31	05/03/23 14:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	05/02/23 11:31	05/03/23 14:25	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 13:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 13:09	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 13:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 13:09	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 13:09	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 13:09	762-75-4	
1,2-Dichloroethane	**13.0**	ug/L	5.0	2.1	1		05/02/23 13:09	107-06-2	
Diisopropyl ether	**8.9**	ug/L	5.0	3.5	1		05/02/23 13:09	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 13:09	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 13:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 13:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 13:09	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 13:09	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 13:09	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 13:09	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 13:09	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 13:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/02/23 13:09	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		05/02/23 13:09	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		05/02/23 13:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-1A (83.5) **Lab ID: 92664683025** Collected: 04/25/23 09:38 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 20:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	05/02/23 11:31	05/02/23 20:35	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 13:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 13:27	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 13:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 13:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 13:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 13:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 13:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 13:27	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 13:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 13:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 13:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 13:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 13:27	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 13:27	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 13:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 13:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 13:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/02/23 13:27	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		05/02/23 13:27	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		05/02/23 13:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-1B (92.5) **Lab ID: 92664683026** Collected: 04/25/23 09:43 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 20:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	05/02/23 11:31	05/02/23 20:46	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 13:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 13:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 13:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 13:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 13:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 13:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 13:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 13:45	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 13:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 13:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 13:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 13:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 13:45	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 13:45	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 13:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 13:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 13:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	77	%	70-130		1		05/02/23 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		05/02/23 13:45	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		05/02/23 13:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-1C (102.5) **Lab ID: 92664683027** Collected: 04/25/23 09:49 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 20:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	05/02/23 11:31	05/02/23 20:57	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 14:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 14:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 14:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 14:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 14:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 14:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 14:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 14:03	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 14:03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 14:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 14:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 14:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 14:03	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 14:03	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 14:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 14:03	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 14:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/02/23 14:03	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		05/02/23 14:03	17060-07-0	
Toluene-d8 (S)	90	%	70-130		1		05/02/23 14:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-1D (112.5) **Lab ID: 92664683028** Collected: 04/25/23 09:53 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 21:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	05/02/23 11:31	05/02/23 21:08	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 14:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 14:21	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 14:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 14:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 14:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 14:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 14:21	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 14:21	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 14:21	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 14:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 14:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 14:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 14:21	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 14:21	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 14:21	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 14:21	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 14:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/02/23 14:21	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		05/02/23 14:21	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		05/02/23 14:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-1E (119.5) **Lab ID: 92664683029** Collected: 04/25/23 10:02 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0072	1	05/02/23 11:31	05/02/23 21:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	05/02/23 11:31	05/02/23 21:18	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 14:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 14:40	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 14:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 14:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 14:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 14:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 14:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 14:40	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 14:40	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 14:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 14:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 14:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 14:40	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 14:40	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 14:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 14:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 14:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		05/02/23 14:40	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		05/02/23 14:40	17060-07-0	
Toluene-d8 (S)	121	%	70-130		1		05/02/23 14:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-2 **Lab ID: 92664683030** Collected: 04/25/23 10:21 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0073	1	05/02/23 11:31	05/02/23 21:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	05/02/23 11:31	05/02/23 21:29	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/03/23 10:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/03/23 10:23	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/03/23 10:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/03/23 10:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/03/23 10:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/03/23 10:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/03/23 10:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/03/23 10:23	108-20-3	v2
Ethanol	ND	ug/L	200	144	1		05/03/23 10:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/03/23 10:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/03/23 10:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/03/23 10:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/03/23 10:23	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/03/23 10:23	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/03/23 10:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/03/23 10:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/03/23 10:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/03/23 10:23	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-130		1		05/03/23 10:23	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		05/03/23 10:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-3 **Lab ID: 92664683031** Collected: 04/25/23 10:19 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 21:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	05/02/23 11:31	05/02/23 21:40	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 15:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 15:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 15:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 15:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 15:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 15:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 15:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 15:16	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 15:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 15:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 15:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 15:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 15:16	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 15:16	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 15:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 15:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 15:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	75	%	70-130		1		05/02/23 15:16	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/02/23 15:16	17060-07-0	
Toluene-d8 (S)	131	%	70-130		1		05/02/23 15:16	2037-26-5	S3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DDW-4 **Lab ID: 92664683032** Collected: 04/25/23 10:35 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 21:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	05/02/23 11:31	05/02/23 21:51	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/02/23 15:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/02/23 15:35	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/02/23 15:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/02/23 15:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/02/23 15:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/02/23 15:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/02/23 15:35	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/02/23 15:35	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/02/23 15:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/02/23 15:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/02/23 15:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/02/23 15:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/02/23 15:35	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/02/23 15:35	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/02/23 15:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/02/23 15:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/02/23 15:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		05/02/23 15:35	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/02/23 15:35	17060-07-0	
Toluene-d8 (S)	91	%	70-130		1		05/02/23 15:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: RW-1 **Lab ID: 92664683033** Collected: 04/25/23 12:50 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**179**	ug/L	4.9	1.9	250	05/02/23 11:31	05/03/23 14:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		250	05/02/23 11:31	05/03/23 14:35	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		05/03/23 08:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		05/03/23 08:02	994-05-8	
Benzene	**7200**	ug/L	1000	348	200		05/03/23 08:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		05/03/23 08:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		05/03/23 08:02	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		05/03/23 08:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		05/03/23 08:02	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		05/03/23 08:02	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		05/03/23 08:02	64-17-5	
Ethylbenzene	**2360**	ug/L	1000	368	200		05/03/23 08:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		05/03/23 08:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		05/03/23 08:02	1634-04-4	
Naphthalene	**855J**	ug/L	1000	418	200		05/03/23 08:02	91-20-3	
Toluene	**23300**	ug/L	1000	402	200		05/03/23 08:02	108-88-3	
Xylene (Total)	**17600**	ug/L	1000	1000	200		05/03/23 08:02	1330-20-7	
m&p-Xylene	**11900**	ug/L	2000	822	200		05/03/23 08:02	179601-23-1	
o-Xylene	**5720**	ug/L	1000	408	200		05/03/23 08:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		200		05/03/23 08:02	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		200		05/03/23 08:02	17060-07-0	
Toluene-d8 (S)	104	%	70-130		200		05/03/23 08:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: RW-2 **Lab ID: 92664683034** Collected: 04/25/23 12:45 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 11:31	05/02/23 22:12	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	05/02/23 11:31	05/02/23 22:12	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**138J**	ug/L	200	131	2		05/03/23 08:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.1	2		05/03/23 08:19	994-05-8	
Benzene	ND	ug/L	10.0	3.5	2		05/03/23 08:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	108	2		05/03/23 08:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	182	2		05/03/23 08:19	75-65-0	
tert-Butyl Formate	ND	ug/L	100	48.2	2		05/03/23 08:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	4.1	2		05/03/23 08:19	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	7.0	2		05/03/23 08:19	108-20-3	
Ethanol	ND	ug/L	400	288	2		05/03/23 08:19	64-17-5	
Ethylbenzene	**231**	ug/L	10.0	3.7	2		05/03/23 08:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	16.9	2		05/03/23 08:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	10.0	6.2	2		05/03/23 08:19	1634-04-4	
Naphthalene	**106**	ug/L	10.0	4.2	2		05/03/23 08:19	91-20-3	
Toluene	**58.3**	ug/L	10.0	4.0	2		05/03/23 08:19	108-88-3	
Xylene (Total)	**696**	ug/L	10.0	10.0	2		05/03/23 08:19	1330-20-7	
m&p-Xylene	**583**	ug/L	20.0	8.2	2		05/03/23 08:19	179601-23-1	
o-Xylene	**113**	ug/L	10.0	4.1	2		05/03/23 08:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2		05/03/23 08:19	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		2		05/03/23 08:19	17060-07-0	
Toluene-d8 (S)	104	%	70-130		2		05/03/23 08:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: RW-3 **Lab ID: 92664683035** Collected: 04/25/23 13:20 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 11:31	05/02/23 22:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	05/02/23 11:31	05/02/23 22:23	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		05/03/23 08:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		05/03/23 08:37	994-05-8	
Benzene	**149J**	ug/L	200	69.6	40		05/03/23 08:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		05/03/23 08:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		05/03/23 08:37	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		05/03/23 08:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		05/03/23 08:37	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		05/03/23 08:37	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		05/03/23 08:37	64-17-5	
Ethylbenzene	**3350**	ug/L	200	73.6	40		05/03/23 08:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		05/03/23 08:37	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		05/03/23 08:37	1634-04-4	
Naphthalene	**708**	ug/L	200	83.6	40		05/03/23 08:37	91-20-3	
Toluene	**1380**	ug/L	200	80.4	40		05/03/23 08:37	108-88-3	
Xylene (Total)	**13800**	ug/L	200	200	40		05/03/23 08:37	1330-20-7	
m&p-Xylene	**11100**	ug/L	400	164	40		05/03/23 08:37	179601-23-1	
o-Xylene	**2690**	ug/L	200	81.6	40		05/03/23 08:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		40		05/03/23 08:37	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		40		05/03/23 08:37	17060-07-0	
Toluene-d8 (S)	106	%	70-130		40		05/03/23 08:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: RW-4 **Lab ID: 92664683036** Collected: 04/25/23 12:54 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**832**	ug/L	39.0	14.6	2000	05/02/23 11:31	05/03/23 14:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		2000	05/02/23 11:31	05/03/23 14:46	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		05/02/23 15:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		05/02/23 15:53	994-05-8	
Benzene	**22000**	ug/L	1000	348	200		05/02/23 15:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		05/02/23 15:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		05/02/23 15:53	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		05/02/23 15:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		05/02/23 15:53	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		05/02/23 15:53	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		05/02/23 15:53	64-17-5	
Ethylbenzene	**2340**	ug/L	1000	368	200		05/02/23 15:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		05/02/23 15:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		05/02/23 15:53	1634-04-4	
Naphthalene	**520J**	ug/L	1000	418	200		05/02/23 15:53	91-20-3	
Toluene	**35600**	ug/L	1000	402	200		05/02/23 15:53	108-88-3	
Xylene (Total)	**15300**	ug/L	1000	1000	200		05/02/23 15:53	1330-20-7	
m&p-Xylene	**10500**	ug/L	2000	822	200		05/02/23 15:53	179601-23-1	
o-Xylene	**4770**	ug/L	1000	408	200		05/02/23 15:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		200		05/02/23 15:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		200		05/02/23 15:53	17060-07-0	
Toluene-d8 (S)	129	%	70-130		200		05/02/23 15:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: RW-5 **Lab ID: 92664683037** Collected: 04/25/23 12:34 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**384**	ug/L	9.6	3.6	500	05/02/23 11:31	05/03/23 14:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	05/02/23 11:31	05/03/23 14:57	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		05/02/23 16:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		05/02/23 16:11	994-05-8	
Benzene	**20100**	ug/L	1250	435	250		05/02/23 16:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		05/02/23 16:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		05/02/23 16:11	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		05/02/23 16:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		05/02/23 16:11	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		05/02/23 16:11	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		05/02/23 16:11	64-17-5	
Ethylbenzene	**2130**	ug/L	1250	460	250		05/02/23 16:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		05/02/23 16:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		05/02/23 16:11	1634-04-4	
Naphthalene	**913J**	ug/L	1250	522	250		05/02/23 16:11	91-20-3	
Toluene	**38700**	ug/L	1250	502	250		05/02/23 16:11	108-88-3	
Xylene (Total)	**13300**	ug/L	1250	1250	250		05/02/23 16:11	1330-20-7	
m&p-Xylene	**8720**	ug/L	2500	1030	250		05/02/23 16:11	179601-23-1	
o-Xylene	**4560**	ug/L	1250	510	250		05/02/23 16:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		250		05/02/23 16:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		250		05/02/23 16:11	17060-07-0	
Toluene-d8 (S)	110	%	70-130		250		05/02/23 16:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: EP-4 **Lab ID: 92664683038** Collected: 04/25/23 12:18 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.040**	ug/L	0.020	0.0075	1	05/02/23 11:31	05/03/23 15:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	80	%	60-140		1	05/02/23 11:31	05/03/23 15:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	1000	656	10		05/02/23 16:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		05/02/23 16:29	994-05-8	
Benzene	**24.0J**	ug/L	50.0	17.4	10		05/02/23 16:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		05/02/23 16:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	910	10		05/02/23 16:29	75-65-0	
tert-Butyl Formate	ND	ug/L	500	241	10		05/02/23 16:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	20.6	10		05/02/23 16:29	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	34.9	10		05/02/23 16:29	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		05/02/23 16:29	64-17-5	
Ethylbenzene	**828**	ug/L	50.0	18.4	10		05/02/23 16:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		05/02/23 16:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	31.0	10		05/02/23 16:29	1634-04-4	
Naphthalene	**308**	ug/L	50.0	20.9	10		05/02/23 16:29	91-20-3	
Toluene	**1210**	ug/L	50.0	20.1	10		05/02/23 16:29	108-88-3	
Xylene (Total)	**5430**	ug/L	50.0	50.0	10		05/02/23 16:29	1330-20-7	
m&p-Xylene	**3860**	ug/L	100	41.1	10		05/02/23 16:29	179601-23-1	
o-Xylene	**1580**	ug/L	50.0	20.4	10		05/02/23 16:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		05/02/23 16:29	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		10		05/02/23 16:29	17060-07-0	
Toluene-d8 (S)	130	%	70-130		10		05/02/23 16:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: EP-12 **Lab ID: 92664683039** Collected: 04/25/23 12:25 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**62.0**	ug/L	2.0	0.75	100	05/02/23 11:31	05/03/23 15:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		100	05/02/23 11:31	05/03/23 15:18	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		05/03/23 11:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		05/03/23 11:16	994-05-8	
Benzene	**4420**	ug/L	625	218	125		05/03/23 11:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		05/03/23 11:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		05/03/23 11:16	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		05/03/23 11:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		05/03/23 11:16	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		05/03/23 11:16	108-20-3	v2
Ethanol	ND	ug/L	25000	18000	125		05/03/23 11:16	64-17-5	
Ethylbenzene	**1300**	ug/L	625	230	125		05/03/23 11:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		05/03/23 11:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		05/03/23 11:16	1634-04-4	
Naphthalene	**1020**	ug/L	625	261	125		05/03/23 11:16	91-20-3	
Toluene	**15100**	ug/L	625	251	125		05/03/23 11:16	108-88-3	
Xylene (Total)	**11400**	ug/L	625	625	125		05/03/23 11:16	1330-20-7	
m&p-Xylene	**7690**	ug/L	1250	514	125		05/03/23 11:16	179601-23-1	
o-Xylene	**3680**	ug/L	625	255	125		05/03/23 11:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		05/03/23 11:16	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-130		125		05/03/23 11:16	17060-07-0	
Toluene-d8 (S)	99	%	70-130		125		05/03/23 11:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: EP-20 **Lab ID: 92664683040** Collected: 04/25/23 13:01 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**296**	ug/L	9.6	3.6	500	05/02/23 11:31	05/03/23 15:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	05/02/23 11:31	05/03/23 15:29	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		05/03/23 12:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		05/03/23 12:10	994-05-8	
Benzene	**8350**	ug/L	1000	348	200		05/03/23 12:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		05/03/23 12:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		05/03/23 12:10	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		05/03/23 12:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		05/03/23 12:10	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		05/03/23 12:10	108-20-3	v2
Ethanol	ND	ug/L	40000	28800	200		05/03/23 12:10	64-17-5	
Ethylbenzene	**907J**	ug/L	1000	368	200		05/03/23 12:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		05/03/23 12:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		05/03/23 12:10	1634-04-4	
Naphthalene	**983J**	ug/L	1000	418	200		05/03/23 12:10	91-20-3	
Toluene	**18200**	ug/L	1000	402	200		05/03/23 12:10	108-88-3	
Xylene (Total)	**12900**	ug/L	1000	1000	200		05/03/23 12:10	1330-20-7	
m&p-Xylene	**8550**	ug/L	2000	822	200		05/03/23 12:10	179601-23-1	
o-Xylene	**4320**	ug/L	1000	408	200		05/03/23 12:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		200		05/03/23 12:10	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		200		05/03/23 12:10	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		05/03/23 12:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DUP-1 **Lab ID: 92664683041** Collected: 04/25/23 00:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**381**	ug/L	19.9	7.5	1000	05/02/23 17:16	05/03/23 15:40	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		1000	05/02/23 17:16	05/03/23 15:40	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		05/02/23 20:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		05/02/23 20:35	994-05-8	
Benzene	**11100**	ug/L	1000	348	200		05/02/23 20:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		05/02/23 20:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		05/02/23 20:35	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		05/02/23 20:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		05/02/23 20:35	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		05/02/23 20:35	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		05/02/23 20:35	64-17-5	
Ethylbenzene	**1150**	ug/L	1000	368	200		05/02/23 20:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		05/02/23 20:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		05/02/23 20:35	1634-04-4	
Naphthalene	**1210**	ug/L	1000	418	200		05/02/23 20:35	91-20-3	
Toluene	**24400**	ug/L	1000	402	200		05/02/23 20:35	108-88-3	
Xylene (Total)	**17000**	ug/L	1000	1000	200		05/02/23 20:35	1330-20-7	
m&p-Xylene	**11400**	ug/L	2000	822	200		05/02/23 20:35	179601-23-1	
o-Xylene	**5610**	ug/L	1000	408	200		05/02/23 20:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		200		05/02/23 20:35	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		200		05/02/23 20:35	17060-07-0	
Toluene-d8 (S)	105	%	70-130		200		05/02/23 20:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DUP-2 **Lab ID: 92664683042** Collected: 04/25/23 00:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**76.3**	ug/L	2.5	0.93	125	05/02/23 17:16	05/03/23 13:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		125	05/02/23 17:16	05/03/23 13:57	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		05/03/23 11:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		05/03/23 11:52	994-05-8	
Benzene	**4400**	ug/L	625	218	125		05/03/23 11:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		05/03/23 11:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		05/03/23 11:52	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		05/03/23 11:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		05/03/23 11:52	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		05/03/23 11:52	108-20-3	v2
Ethanol	ND	ug/L	25000	18000	125		05/03/23 11:52	64-17-5	
Ethylbenzene	**1310**	ug/L	625	230	125		05/03/23 11:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		05/03/23 11:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		05/03/23 11:52	1634-04-4	
Naphthalene	**1070**	ug/L	625	261	125		05/03/23 11:52	91-20-3	
Toluene	**15400**	ug/L	625	251	125		05/03/23 11:52	108-88-3	
Xylene (Total)	**11800**	ug/L	625	625	125		05/03/23 11:52	1330-20-7	
m&p-Xylene	**8020**	ug/L	1250	514	125		05/03/23 11:52	179601-23-1	
o-Xylene	**3800**	ug/L	625	255	125		05/03/23 11:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		05/03/23 11:52	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		125		05/03/23 11:52	17060-07-0	
Toluene-d8 (S)	99	%	70-130		125		05/03/23 11:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: DUP-3 **Lab ID: 92664683043** Collected: 04/25/23 00:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**206**	ug/L	4.8	1.8	250	05/02/23 17:16	05/03/23 14:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		250	05/02/23 17:16	05/03/23 14:18	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		05/02/23 20:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		05/02/23 20:52	994-05-8	
Benzene	**11400**	ug/L	1000	348	200		05/02/23 20:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		05/02/23 20:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		05/02/23 20:52	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		05/02/23 20:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		05/02/23 20:52	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		05/02/23 20:52	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		05/02/23 20:52	64-17-5	
Ethylbenzene	**2790**	ug/L	1000	368	200		05/02/23 20:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		05/02/23 20:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		05/02/23 20:52	1634-04-4	
Naphthalene	**954J**	ug/L	1000	418	200		05/02/23 20:52	91-20-3	
Toluene	**35900**	ug/L	1000	402	200		05/02/23 20:52	108-88-3	
Xylene (Total)	**18900**	ug/L	1000	1000	200		05/02/23 20:52	1330-20-7	
m&p-Xylene	**12900**	ug/L	2000	822	200		05/02/23 20:52	179601-23-1	
o-Xylene	**5980**	ug/L	1000	408	200		05/02/23 20:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		05/02/23 20:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		200		05/02/23 20:52	17060-07-0	
Toluene-d8 (S)	104	%	70-130		200		05/02/23 20:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: FB-1 **Lab ID: 92664683044** Collected: 04/24/23 15:18 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.030**	ug/L	0.020	0.0075	1	05/02/23 17:16	05/03/23 14:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	05/02/23 17:16	05/03/23 14:29	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 07:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 07:54	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 07:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 07:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 07:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 07:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 07:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 07:54	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 07:54	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 07:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 07:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 07:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 07:54	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 07:54	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 07:54	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 07:54	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 07:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/01/23 07:54	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/01/23 07:54	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/01/23 07:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: FB-2 **Lab ID: 92664683045** Collected: 04/25/23 15:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 17:16	05/03/23 01:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	95	%	60-140		1	05/02/23 17:16	05/03/23 01:36	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 08:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 08:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 08:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 08:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 08:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 08:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 08:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 08:12	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 08:12	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 08:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 08:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 08:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 08:12	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 08:12	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 08:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 08:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 08:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/01/23 08:12	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		05/01/23 08:12	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/01/23 08:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: TB-1 **Lab ID: 92664683046** Collected: 04/24/23 08:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 08:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 08:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 08:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 08:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 08:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 08:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 08:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 08:30	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 08:30	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 08:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 08:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 08:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 08:30	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 08:30	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 08:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 08:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 08:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/01/23 08:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/01/23 08:30	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/01/23 08:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: TB-2 **Lab ID: 92664683047** Collected: 04/24/23 08:00 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 08:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 08:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 08:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 08:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 08:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 08:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 08:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 08:48	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 08:48	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 08:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 08:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 08:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 08:48	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 08:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 08:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 08:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 08:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/01/23 08:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/01/23 08:48	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/01/23 08:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: GAC **Lab ID: 92664683048** Collected: 04/25/23 15:01 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0076	1	05/02/23 17:16	05/03/23 01:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	05/02/23 17:16	05/03/23 01:46	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		05/01/23 09:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		05/01/23 09:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		05/01/23 09:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		05/01/23 09:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		05/01/23 09:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		05/01/23 09:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		05/01/23 09:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		05/01/23 09:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		05/01/23 09:07	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		05/01/23 09:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		05/01/23 09:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		05/01/23 09:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		05/01/23 09:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		05/01/23 09:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		05/01/23 09:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		05/01/23 09:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		05/01/23 09:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/01/23 09:07	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		05/01/23 09:07	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		05/01/23 09:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: SW-1 **Lab ID: 92664683049** Collected: 04/25/23 10:21 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 17:16	05/03/23 01:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	05/02/23 17:16	05/03/23 01:57	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/03/23 03:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/03/23 03:02	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/03/23 03:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/03/23 03:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/03/23 03:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/03/23 03:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/03/23 03:02	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/03/23 03:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/03/23 03:02	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/03/23 03:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/03/23 03:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/03/23 03:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/03/23 03:02	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/03/23 03:02	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/03/23 03:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/03/23 03:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/03/23 03:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/03/23 03:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		05/03/23 03:02	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		05/03/23 03:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: SW-2 **Lab ID: 92664683050** Collected: 04/25/23 10:27 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	05/02/23 17:16	05/03/23 02:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	05/02/23 17:16	05/03/23 02:08	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/02/23 19:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/02/23 19:06	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/02/23 19:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/02/23 19:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/02/23 19:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/02/23 19:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/02/23 19:06	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/02/23 19:06	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/02/23 19:06	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/02/23 19:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/02/23 19:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/02/23 19:06	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/02/23 19:06	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/02/23 19:06	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/02/23 19:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/02/23 19:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/02/23 19:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/02/23 19:06	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		05/02/23 19:06	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/02/23 19:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: SW-3 **Lab ID: 92664683051** Collected: 04/25/23 10:16 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0073	1	05/02/23 17:16	05/03/23 02:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	05/02/23 17:16	05/03/23 02:18	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/02/23 19:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/02/23 19:24	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/02/23 19:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/02/23 19:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/02/23 19:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/02/23 19:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/02/23 19:24	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/02/23 19:24	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/02/23 19:24	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/02/23 19:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/02/23 19:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/02/23 19:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/02/23 19:24	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/02/23 19:24	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/02/23 19:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/02/23 19:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/02/23 19:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/02/23 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		05/02/23 19:24	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/02/23 19:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UNKNOWN 14324
Pace Project No.: 92664683

Sample: SW-4 **Lab ID: 92664683052** Collected: 04/25/23 10:19 Received: 04/26/23 11:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0074	1	05/02/23 17:16	05/03/23 02:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	05/02/23 17:16	05/03/23 02:29	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/02/23 19:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/02/23 19:42	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/02/23 19:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/02/23 19:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/02/23 19:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/02/23 19:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/02/23 19:42	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/02/23 19:42	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/02/23 19:42	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/02/23 19:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/02/23 19:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/02/23 19:42	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/02/23 19:42	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/02/23 19:42	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/02/23 19:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/02/23 19:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/02/23 19:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/02/23 19:42	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		05/02/23 19:42	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		05/02/23 19:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771388
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92664683049

METHOD BLANK: 4004409 Matrix: Water
Associated Lab Samples: 92664683049

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/02/23 23:30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/02/23 23:30	
Benzene	ug/L	ND	1.0	0.34	05/02/23 23:30	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/02/23 23:30	
Ethanol	ug/L	ND	200	72.2	05/02/23 23:30	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/02/23 23:30	
Ethylbenzene	ug/L	ND	1.0	0.30	05/02/23 23:30	
m&p-Xylene	ug/L	ND	2.0	0.71	05/02/23 23:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/02/23 23:30	
Naphthalene	ug/L	ND	1.0	0.64	05/02/23 23:30	
o-Xylene	ug/L	ND	1.0	0.34	05/02/23 23:30	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/02/23 23:30	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/02/23 23:30	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/02/23 23:30	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/02/23 23:30	
Toluene	ug/L	ND	1.0	0.48	05/02/23 23:30	
Xylene (Total)	ug/L	ND	1.0	0.34	05/02/23 23:30	
1,2-Dichloroethane-d4 (S)	%	104	70-130		05/02/23 23:30	
4-Bromofluorobenzene (S)	%	101	70-130		05/02/23 23:30	
Toluene-d8 (S)	%	106	70-130		05/02/23 23:30	

LABORATORY CONTROL SAMPLE: 4004410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	365	91	70-130	
Benzene	ug/L	20	22.2	111	70-130	
Diisopropyl ether	ug/L	20	22.3	111	70-130	
Ethanol	ug/L	800	918	115	70-130	
Ethyl-tert-butyl ether	ug/L	40	42.7	107	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	42.0	105	70-130	
Methyl-tert-butyl ether	ug/L	20	21.9	110	70-130	
Naphthalene	ug/L	20	20.5	102	70-130	
o-Xylene	ug/L	20	20.1	101	70-130	
tert-Amyl Alcohol	ug/L	400	395	99	70-130	
tert-Amylmethyl ether	ug/L	40	42.5	106	70-130	
tert-Butyl Alcohol	ug/L	200	192	96	70-130	
tert-Butyl Formate	ug/L	160	147	92	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.2	106	70-130	
Xylene (Total)	ug/L	60	62.1	104	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4004412

Parameter	Units	92664387005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	23.0	115	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	426	106	39-157	
Benzene	ug/L	ND	20	23.5	117	70-151	
Diisopropyl ether	ug/L	ND	20	22.9	114	63-144	
Ethanol	ug/L	ND	800	938	117	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	45.3	113	66-137	
Ethylbenzene	ug/L	ND	20	23.0	115	66-153	
m&p-Xylene	ug/L	ND	40	46.1	115	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	22.6	113	54-156	
Naphthalene	ug/L	ND	20	22.8	114	61-148	
o-Xylene	ug/L	ND	20	22.7	113	70-148	
tert-Amyl Alcohol	ug/L	ND	400	410	103	54-153	
tert-Amylmethyl ether	ug/L	ND	40	44.0	110	69-139	
tert-Butyl Alcohol	ug/L	ND	200	246	123	43-188	
tert-Butyl Formate	ug/L	ND	160	103	64	10-170	
Toluene	ug/L	ND	20	22.8	114	59-148	
Xylene (Total)	ug/L	ND	60	68.8	115	63-158	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4004411

Parameter	Units	92664387003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	0.87J	0.81J		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

SAMPLE DUPLICATE: 4004411

Parameter	Units	92664387003 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	104			
4-Bromofluorobenzene (S)	%	103	98			
Toluene-d8 (S)	%	106	100			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771390
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683050, 92664683051, 92664683052

METHOD BLANK: 4004415 Matrix: Water
Associated Lab Samples: 92664683050, 92664683051, 92664683052

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/02/23 13:21	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/02/23 13:21	
Benzene	ug/L	ND	1.0	0.34	05/02/23 13:21	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/02/23 13:21	
Ethanol	ug/L	ND	200	72.2	05/02/23 13:21	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/02/23 13:21	
Ethylbenzene	ug/L	ND	1.0	0.30	05/02/23 13:21	
m&p-Xylene	ug/L	ND	2.0	0.71	05/02/23 13:21	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/02/23 13:21	
Naphthalene	ug/L	ND	1.0	0.64	05/02/23 13:21	
o-Xylene	ug/L	ND	1.0	0.34	05/02/23 13:21	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/02/23 13:21	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/02/23 13:21	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/02/23 13:21	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/02/23 13:21	
Toluene	ug/L	ND	1.0	0.48	05/02/23 13:21	
Xylene (Total)	ug/L	ND	1.0	0.34	05/02/23 13:21	
1,2-Dichloroethane-d4 (S)	%	105	70-130		05/02/23 13:21	
4-Bromofluorobenzene (S)	%	100	70-130		05/02/23 13:21	
Toluene-d8 (S)	%	99	70-130		05/02/23 13:21	

LABORATORY CONTROL SAMPLE: 4004416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.3	107	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	427	107	70-130	
Benzene	ug/L	20	21.0	105	70-130	
Diisopropyl ether	ug/L	20	20.8	104	70-130	
Ethanol	ug/L	800	858	107	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.4	104	70-130	
Ethylbenzene	ug/L	20	20.8	104	70-130	
m&p-Xylene	ug/L	40	42.3	106	70-130	
Methyl-tert-butyl ether	ug/L	20	20.3	101	70-130	
Naphthalene	ug/L	20	21.7	108	70-130	
o-Xylene	ug/L	20	20.1	101	70-130	
tert-Amyl Alcohol	ug/L	400	409	102	70-130	
tert-Amylmethyl ether	ug/L	40	40.5	101	70-130	
tert-Butyl Alcohol	ug/L	200	201	101	70-130	
tert-Butyl Formate	ug/L	160	164	103	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	20.1	100	70-130	
Xylene (Total)	ug/L	60	62.4	104	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4004418

Parameter	Units	92664726003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	24.9	125	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	431	108	39-157	
Benzene	ug/L	ND	20	24.2	121	70-151	
Diisopropyl ether	ug/L	ND	20	23.9	120	63-144	
Ethanol	ug/L	ND	800	975	122	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	46.5	116	66-137	
Ethylbenzene	ug/L	ND	20	24.1	120	66-153	
m&p-Xylene	ug/L	ND	40	47.9	120	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	22.5	113	54-156	
Naphthalene	ug/L	ND	20	23.6	118	61-148	
o-Xylene	ug/L	ND	20	23.5	117	70-148	
tert-Amyl Alcohol	ug/L	ND	400	411	103	54-153	
tert-Amylmethyl ether	ug/L	ND	40	45.0	113	69-139	
tert-Butyl Alcohol	ug/L	ND	200	207	104	43-188	
tert-Butyl Formate	ug/L	ND	160	181	113	10-170	
Toluene	ug/L	ND	20	23.5	118	59-148	
Xylene (Total)	ug/L	ND	60	71.3	119	63-158	
1,2-Dichloroethane-d4 (S)	%				107	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4004417

Parameter	Units	92664726002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

SAMPLE DUPLICATE: 4004417

Parameter	Units	92664726002 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	102			
4-Bromofluorobenzene (S)	%	99	98			
Toluene-d8 (S)	%	99	99			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771418
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683044, 92664683045, 92664683046, 92664683047, 92664683048

METHOD BLANK: 4004500 Matrix: Water
Associated Lab Samples: 92664683044, 92664683045, 92664683046, 92664683047, 92664683048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/01/23 06:59	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/01/23 06:59	
Benzene	ug/L	ND	5.0	1.7	05/01/23 06:59	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/01/23 06:59	
Ethanol	ug/L	ND	200	144	05/01/23 06:59	v1
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/01/23 06:59	
Ethylbenzene	ug/L	ND	5.0	1.8	05/01/23 06:59	
m&p-Xylene	ug/L	ND	10.0	4.1	05/01/23 06:59	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/01/23 06:59	
Naphthalene	ug/L	ND	5.0	2.1	05/01/23 06:59	
o-Xylene	ug/L	ND	5.0	2.0	05/01/23 06:59	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/01/23 06:59	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/01/23 06:59	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/01/23 06:59	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/01/23 06:59	
Toluene	ug/L	ND	5.0	2.0	05/01/23 06:59	
Xylene (Total)	ug/L	ND	5.0	5.0	05/01/23 06:59	
1,2-Dichloroethane-d4 (S)	%	103	70-130		05/01/23 06:59	
4-Bromofluorobenzene (S)	%	126	70-130		05/01/23 06:59	
Toluene-d8 (S)	%	103	70-130		05/01/23 06:59	

LABORATORY CONTROL SAMPLE: 4004501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	392	98	70-130	
Benzene	ug/L	20	20.2	101	70-130	
Diisopropyl ether	ug/L	20	20.4	102	70-130	
Ethanol	ug/L	800	963	120	70-130	v1
Ethyl-tert-butyl ether	ug/L	40	39.9	100	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	39.9	100	70-130	
Methyl-tert-butyl ether	ug/L	20	19.9	100	70-130	
Naphthalene	ug/L	20	22.6	113	70-130	
o-Xylene	ug/L	20	20.5	102	70-130	
tert-Amyl Alcohol	ug/L	400	430	108	70-130	
tert-Amylmethyl ether	ug/L	40	40.2	100	70-130	
tert-Butyl Alcohol	ug/L	200	204	102	70-130	
tert-Butyl Formate	ug/L	160	146	91	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.7	98	70-130	
Xylene (Total)	ug/L	60	60.4	101	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4004502 4004503

Parameter	Units	92664673009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	24.1	24.9	117	122	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	440	552	110	138	39-157	23	30	
Benzene	ug/L	ND	20	20	26.9	26.2	125	121	70-151	3	30	
Diisopropyl ether	ug/L	ND	20	20	29.4	29.9	127	129	63-144	1	30	
Ethanol	ug/L	ND	800	800	1070	1040	123	120	39-176	3	30	v1
Ethyl-tert-butyl ether	ug/L	ND	40	40	47.6	45.4	119	114	66-137	5	30	
Ethylbenzene	ug/L	ND	20	20	25.3	23.9	127	119	66-153	6	30	
m&p-Xylene	ug/L	ND	40	40	59.2	48.2	148	120	69-152	20	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.0	23.4	110	117	54-156	6	30	
Naphthalene	ug/L	ND	20	20	17.9	23.3	90	116	61-148	26	30	
o-Xylene	ug/L	ND	20	20	32.5	23.4	163	117	70-148	33	30	M1,R1
tert-Amyl Alcohol	ug/L	ND	400	400	453	440	113	110	54-153	3	30	
tert-Amylmethyl ether	ug/L	ND	40	40	47.5	47.0	119	118	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	200	200	279	281	140	140	43-188	0	30	
tert-Butyl Formate	ug/L	ND	160	160	54.0	50.9	34	32	10-170	6	30	
Toluene	ug/L	ND	20	20	24.7	27.2	124	136	59-148	9	30	
Xylene (Total)	ug/L	ND	60	60	91.7	71.6	153	119	63-158	25	30	MS,RS
1,2-Dichloroethane-d4 (S)	%						102	105	70-130			
4-Bromofluorobenzene (S)	%						130	98	70-130			
Toluene-d8 (S)	%						99	101	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771420
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683007, 92664683009, 92664683011, 92664683012, 92664683014, 92664683015

METHOD BLANK: 4004508 Matrix: Water
Associated Lab Samples: 92664683007, 92664683009, 92664683011, 92664683012, 92664683014, 92664683015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/01/23 20:32	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/01/23 20:32	
Benzene	ug/L	ND	5.0	1.7	05/01/23 20:32	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/01/23 20:32	
Ethanol	ug/L	ND	200	144	05/01/23 20:32	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/01/23 20:32	
Ethylbenzene	ug/L	ND	5.0	1.8	05/01/23 20:32	
m&p-Xylene	ug/L	ND	10.0	4.1	05/01/23 20:32	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/01/23 20:32	
Naphthalene	ug/L	ND	5.0	2.1	05/01/23 20:32	
o-Xylene	ug/L	ND	5.0	2.0	05/01/23 20:32	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/01/23 20:32	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/01/23 20:32	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/01/23 20:32	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/01/23 20:32	
Toluene	ug/L	ND	5.0	2.0	05/01/23 20:32	
Xylene (Total)	ug/L	ND	5.0	5.0	05/01/23 20:32	
1,2-Dichloroethane-d4 (S)	%	104	70-130		05/01/23 20:32	
4-Bromofluorobenzene (S)	%	101	70-130		05/01/23 20:32	
Toluene-d8 (S)	%	103	70-130		05/01/23 20:32	

LABORATORY CONTROL SAMPLE: 4004509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.2	106	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	384	96	70-130	
Benzene	ug/L	20	22.1	110	70-130	
Diisopropyl ether	ug/L	20	22.2	111	70-130	
Ethanol	ug/L	800	836	104	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.3	103	70-130	
Ethylbenzene	ug/L	20	21.6	108	70-130	
m&p-Xylene	ug/L	40	43.2	108	70-130	
Methyl-tert-butyl ether	ug/L	20	20.7	104	70-130	
Naphthalene	ug/L	20	21.0	105	70-130	
o-Xylene	ug/L	20	21.0	105	70-130	
tert-Amyl Alcohol	ug/L	400	431	108	70-130	
tert-Amylmethyl ether	ug/L	40	43.9	110	70-130	
tert-Butyl Alcohol	ug/L	200	190	95	70-130	
tert-Butyl Formate	ug/L	160	166	104	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004509

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.0	105	70-130	
Xylene (Total)	ug/L	60	64.2	107	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4004510 4004511

Parameter	Units	92664683007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	27.5	26.9	138	135	70-137	2	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	439	475	110	119	39-157	8	30	
Benzene	ug/L	1.8J	20	20	28.5	28.7	134	134	70-151	1	30	
Diisopropyl ether	ug/L	ND	20	20	28.8	28.0	143	139	63-144	3	30	
Ethanol	ug/L	ND	800	800	1100	1090	138	136	39-176	1	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	53.6	51.1	134	128	66-137	5	30	
Ethylbenzene	ug/L	ND	20	20	26.5	26.1	125	123	66-153	1	30	
m&p-Xylene	ug/L	87.2	40	40	138	140	126	131	69-152	1	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	26.7	25.6	133	128	54-156	4	30	
Naphthalene	ug/L	10.9	20	20	34.6	36.7	119	129	61-148	6	30	
o-Xylene	ug/L	36.8	20	20	61.9	61.9	126	126	70-148	0	30	
tert-Amyl Alcohol	ug/L	ND	400	400	474	539	119	135	54-153	13	30	
tert-Amylmethyl ether	ug/L	ND	40	40	49.9	52.3	125	131	69-139	5	30	
tert-Butyl Alcohol	ug/L	ND	200	200	335	342	167	171	43-188	2	30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	0	0	10-170		30	P5
Toluene	ug/L	ND	20	20	25.1	25.3	124	125	59-148	1	30	
Xylene (Total)	ug/L	124	60	60	200	201	126	129	63-158	1	30	
1,2-Dichloroethane-d4 (S)	%						104	100	70-130			
4-Bromofluorobenzene (S)	%						98	100	70-130			
Toluene-d8 (S)	%						100	103	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771421
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683013, 92664683017, 92664683018, 92664683019, 92664683021, 92664683033, 92664683034, 92664683035

METHOD BLANK: 4004512 Matrix: Water
Associated Lab Samples: 92664683013, 92664683017, 92664683018, 92664683019, 92664683021, 92664683033, 92664683034, 92664683035

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/02/23 23:13	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/02/23 23:13	
Benzene	ug/L	ND	5.0	1.7	05/02/23 23:13	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/02/23 23:13	
Ethanol	ug/L	ND	200	144	05/02/23 23:13	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/02/23 23:13	
Ethylbenzene	ug/L	ND	5.0	1.8	05/02/23 23:13	
m&p-Xylene	ug/L	ND	10.0	4.1	05/02/23 23:13	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/02/23 23:13	
Naphthalene	ug/L	ND	5.0	2.1	05/02/23 23:13	
o-Xylene	ug/L	ND	5.0	2.0	05/02/23 23:13	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/02/23 23:13	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/02/23 23:13	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/02/23 23:13	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/02/23 23:13	
Toluene	ug/L	ND	5.0	2.0	05/02/23 23:13	
Xylene (Total)	ug/L	ND	5.0	5.0	05/02/23 23:13	
1,2-Dichloroethane-d4 (S)	%	105	70-130		05/02/23 23:13	
4-Bromofluorobenzene (S)	%	98	70-130		05/02/23 23:13	
Toluene-d8 (S)	%	102	70-130		05/02/23 23:13	

LABORATORY CONTROL SAMPLE: 4004513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.1	106	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	392	98	70-130	
Benzene	ug/L	20	21.3	107	70-130	
Diisopropyl ether	ug/L	20	21.8	109	70-130	
Ethanol	ug/L	800	872	109	70-130	
Ethyl-tert-butyl ether	ug/L	40	42.1	105	70-130	
Ethylbenzene	ug/L	20	20.9	104	70-130	
m&p-Xylene	ug/L	40	42.1	105	70-130	
Methyl-tert-butyl ether	ug/L	20	21.2	106	70-130	
Naphthalene	ug/L	20	20.6	103	70-130	
o-Xylene	ug/L	20	20.6	103	70-130	
tert-Amyl Alcohol	ug/L	400	421	105	70-130	
tert-Amylmethyl ether	ug/L	40	42.1	105	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004513

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	200	194	97	70-130	
tert-Butyl Formate	ug/L	160	146	91	70-130	
Toluene	ug/L	20	20.5	102	70-130	
Xylene (Total)	ug/L	60	62.7	105	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4004514 4004515

Parameter	Units	92664683013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	18.4	20.5	92	102	70-137	11	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	441	488	110	122	39-157	10	30	
Benzene	ug/L	3.4J	20	20	22.6	25.5	96	110	70-151	12	30	
Diisopropyl ether	ug/L	ND	20	20	17.3	18.6	86	93	63-144	7	30	v3
Ethanol	ug/L	ND	800	800	776	846	97	106	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	35.1	38.9	88	97	66-137	10	30	
Ethylbenzene	ug/L	20.4	20	20	35.5	41.4	76	105	66-153	15	30	
m&p-Xylene	ug/L	138	40	40	140	169	5	78	69-152	19	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	17.4	19.3	87	97	54-156	11	30	
Naphthalene	ug/L	ND	20	20	21.2	23.7	100	112	61-148	11	30	
o-Xylene	ug/L	32.1	20	20	42.0	50.3	49	91	70-148	18	30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	434	497	109	124	54-153	13	30	
tert-Amylmethyl ether	ug/L	ND	40	40	40.1	44.9	100	112	69-139	11	30	
tert-Butyl Alcohol	ug/L	ND	200	200	242	271	121	136	43-188	11	30	
tert-Butyl Formate	ug/L	ND	160	160	30.4J	25.8J	19	16	10-170		30	
Toluene	ug/L	5.5	20	20	22.1	26.9	83	107	59-148	20	30	
Xylene (Total)	ug/L	170	60	60	182	219	20	82	63-158	19	30	MS
1,2-Dichloroethane-d4 (S)	%						93	89	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						97	97	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771422
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683001, 92664683023, 92664683024, 92664683025, 92664683026, 92664683027, 92664683028, 92664683029, 92664683031, 92664683032, 92664683036, 92664683037, 92664683038

METHOD BLANK: 4004516 Matrix: Water
Associated Lab Samples: 92664683001, 92664683023, 92664683024, 92664683025, 92664683026, 92664683027, 92664683028, 92664683029, 92664683031, 92664683032, 92664683036, 92664683037, 92664683038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/02/23 11:56	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/02/23 11:56	
Benzene	ug/L	ND	5.0	1.7	05/02/23 11:56	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/02/23 11:56	
Ethanol	ug/L	ND	200	144	05/02/23 11:56	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/02/23 11:56	
Ethylbenzene	ug/L	ND	5.0	1.8	05/02/23 11:56	
m&p-Xylene	ug/L	ND	10.0	4.1	05/02/23 11:56	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/02/23 11:56	
Naphthalene	ug/L	ND	5.0	2.1	05/02/23 11:56	
o-Xylene	ug/L	ND	5.0	2.0	05/02/23 11:56	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/02/23 11:56	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/02/23 11:56	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/02/23 11:56	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/02/23 11:56	
Toluene	ug/L	ND	5.0	2.0	05/02/23 11:56	
Xylene (Total)	ug/L	ND	5.0	5.0	05/02/23 11:56	
1,2-Dichloroethane-d4 (S)	%	95	70-130		05/02/23 11:56	
4-Bromofluorobenzene (S)	%	75	70-130		05/02/23 11:56	
Toluene-d8 (S)	%	94	70-130		05/02/23 11:56	

LABORATORY CONTROL SAMPLE: 4004517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	394	99	70-130	
Benzene	ug/L	20	20.6	103	70-130	
Diisopropyl ether	ug/L	20	20.6	103	70-130	
Ethanol	ug/L	800	819	102	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.1	103	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	42.2	106	70-130	
Methyl-tert-butyl ether	ug/L	20	20.2	101	70-130	
Naphthalene	ug/L	20	17.6	88	70-130	
o-Xylene	ug/L	20	20.3	102	70-130	
tert-Amyl Alcohol	ug/L	400	406	101	70-130	
tert-Amylmethyl ether	ug/L	40	41.3	103	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4004517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	200	192	96	70-130	
tert-Butyl Formate	ug/L	160	170	106	70-130	
Toluene	ug/L	20	21.7	108	70-130	
Xylene (Total)	ug/L	60	62.6	104	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			116	70-130	

MATRIX SPIKE SAMPLE: 4004518

Parameter	Units	92664683001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	24.9	124	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	508	127	39-157	
Benzene	ug/L	ND	20	25.0	125	70-151	
Diisopropyl ether	ug/L	ND	20	25.0	125	63-144	
Ethanol	ug/L	ND	800	958	120	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	48.6	121	66-137	
Ethylbenzene	ug/L	112	20	121	46	66-153	M1
m&p-Xylene	ug/L	339	40	376	91	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	24.0	120	54-156	
Naphthalene	ug/L	76.9	20	98.5	108	61-148	
o-Xylene	ug/L	55.8	20	72.0	81	70-148	
tert-Amyl Alcohol	ug/L	ND	400	477	112	54-153	
tert-Amylmethyl ether	ug/L	ND	40	47.2	118	69-139	
tert-Butyl Alcohol	ug/L	ND	200	270	135	43-188	
tert-Butyl Formate	ug/L	ND	160	147	92	10-170	
Toluene	ug/L	ND	20	25.2	121	59-148	
Xylene (Total)	ug/L	395	60	448	88	63-158	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 4004519

Parameter	Units	92664683025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

SAMPLE DUPLICATE: 4004519

Parameter	Units	92664683025 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	98	105			
4-Bromofluorobenzene (S)	%	92	98			
Toluene-d8 (S)	%	109	100			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771781
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683041, 92664683043

METHOD BLANK: 4006393 Matrix: Water
Associated Lab Samples: 92664683041, 92664683043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/02/23 11:48	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/02/23 11:48	
Benzene	ug/L	ND	5.0	1.7	05/02/23 11:48	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/02/23 11:48	
Ethanol	ug/L	ND	200	144	05/02/23 11:48	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/02/23 11:48	
Ethylbenzene	ug/L	ND	5.0	1.8	05/02/23 11:48	
m&p-Xylene	ug/L	ND	10.0	4.1	05/02/23 11:48	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/02/23 11:48	
Naphthalene	ug/L	ND	5.0	2.1	05/02/23 11:48	
o-Xylene	ug/L	ND	5.0	2.0	05/02/23 11:48	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/02/23 11:48	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/02/23 11:48	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/02/23 11:48	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/02/23 11:48	
Toluene	ug/L	ND	5.0	2.0	05/02/23 11:48	
Xylene (Total)	ug/L	ND	5.0	5.0	05/02/23 11:48	
1,2-Dichloroethane-d4 (S)	%	103	70-130		05/02/23 11:48	
4-Bromofluorobenzene (S)	%	100	70-130		05/02/23 11:48	
Toluene-d8 (S)	%	104	70-130		05/02/23 11:48	

LABORATORY CONTROL SAMPLE: 4006394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.0	110	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	395	99	70-130	
Benzene	ug/L	20	21.8	109	70-130	
Diisopropyl ether	ug/L	20	23.0	115	70-130	
Ethanol	ug/L	800	915	114	70-130	
Ethyl-tert-butyl ether	ug/L	40	43.6	109	70-130	
Ethylbenzene	ug/L	20	22.0	110	70-130	
m&p-Xylene	ug/L	40	44.0	110	70-130	
Methyl-tert-butyl ether	ug/L	20	22.1	110	70-130	
Naphthalene	ug/L	20	20.4	102	70-130	
o-Xylene	ug/L	20	21.1	105	70-130	
tert-Amyl Alcohol	ug/L	400	408	102	70-130	
tert-Amylmethyl ether	ug/L	40	43.6	109	70-130	
tert-Butyl Alcohol	ug/L	200	189	95	70-130	
tert-Butyl Formate	ug/L	160	165	103	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4006394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.1	105	70-130	
Xylene (Total)	ug/L	60	65.1	108	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4006395 4006396

Parameter	Units	92664658019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	23.1	23.2	116	116	70-137	0	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	395	394	99	98	39-157	0	30	
Benzene	ug/L	2.3J	20	20	26.5	25.5	121	116	70-151	4	30	
Diisopropyl ether	ug/L	ND	20	20	24.8	24.7	123	122	63-144	0	30	
Ethanol	ug/L	ND	800	800	904	885	113	111	39-176	2	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	45.1	45.3	113	113	66-137	0	30	
Ethylbenzene	ug/L	3.4J	20	20	25.8	26.5	112	116	66-153	3	30	
m&p-Xylene	ug/L	ND	40	40	46.3	46.7	111	112	69-152	1	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	25.3	25.7	114	116	54-156	1	30	
Naphthalene	ug/L	ND	20	20	20.8	20.3	99	97	61-148	2	30	
o-Xylene	ug/L	8.7	20	20	29.0	31.0	101	111	70-148	7	30	
tert-Amyl Alcohol	ug/L	ND	400	400	456	433	114	108	54-153	5	30	
tert-Amylmethyl ether	ug/L	ND	40	40	46.4	44.0	116	110	69-139	5	30	
tert-Butyl Alcohol	ug/L	ND	200	200	233	250	116	125	43-188	7	30	
tert-Butyl Formate	ug/L	ND	160	160	122	81.3	77	51	10-170	40	30	R1
Toluene	ug/L	ND	20	20	23.6	22.8	115	111	59-148	4	30	
Xylene (Total)	ug/L	8.7	60	60	75.2	77.6	111	115	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						101	99	70-130			
4-Bromofluorobenzene (S)	%						97	100	70-130			
Toluene-d8 (S)	%						102	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771809
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683002, 92664683003, 92664683004, 92664683005, 92664683006, 92664683008, 92664683010

METHOD BLANK: 4006555 Matrix: Water
Associated Lab Samples: 92664683002, 92664683003, 92664683004, 92664683005, 92664683006, 92664683008, 92664683010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/03/23 01:14	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/03/23 01:14	
Benzene	ug/L	ND	5.0	1.7	05/03/23 01:14	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/03/23 01:14	
Ethanol	ug/L	ND	200	144	05/03/23 01:14	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/03/23 01:14	
Ethylbenzene	ug/L	ND	5.0	1.8	05/03/23 01:14	
m&p-Xylene	ug/L	ND	10.0	4.1	05/03/23 01:14	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/03/23 01:14	
Naphthalene	ug/L	ND	5.0	2.1	05/03/23 01:14	
o-Xylene	ug/L	ND	5.0	2.0	05/03/23 01:14	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/03/23 01:14	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/03/23 01:14	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/03/23 01:14	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/03/23 01:14	
Toluene	ug/L	ND	5.0	2.0	05/03/23 01:14	
Xylene (Total)	ug/L	ND	5.0	5.0	05/03/23 01:14	
1,2-Dichloroethane-d4 (S)	%	100	70-130		05/03/23 01:14	
4-Bromofluorobenzene (S)	%	99	70-130		05/03/23 01:14	
Toluene-d8 (S)	%	101	70-130		05/03/23 01:14	

LABORATORY CONTROL SAMPLE: 4006556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.6	113	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	430	107	70-130	
Benzene	ug/L	20	22.7	114	70-130	
Diisopropyl ether	ug/L	20	20.5	103	70-130	
Ethanol	ug/L	800	846	106	70-130	
Ethyl-tert-butyl ether	ug/L	40	46.6	116	70-130	
Ethylbenzene	ug/L	20	21.7	109	70-130	
m&p-Xylene	ug/L	40	43.4	109	70-130	
Methyl-tert-butyl ether	ug/L	20	22.8	114	70-130	
Naphthalene	ug/L	20	23.3	117	70-130	
o-Xylene	ug/L	20	21.9	110	70-130	
tert-Amyl Alcohol	ug/L	400	414	104	70-130	
tert-Amylmethyl ether	ug/L	40	42.1	105	70-130	
tert-Butyl Alcohol	ug/L	200	211	106	70-130	
tert-Butyl Formate	ug/L	160	177	111	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4006556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.7	109	70-130	
Xylene (Total)	ug/L	60	65.4	109	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4006557 4006558

Parameter	Units	92664658024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.2	19.6	101	98	70-137	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	402	405	101	101	39-157	1	30	
Benzene	ug/L	ND	20	20	20.6	19.2	103	96	70-151	7	30	
Diisopropyl ether	ug/L	ND	20	20	18.4	18.4	92	92	63-144	0	30	
Ethanol	ug/L	ND	800	800	774	800	97	100	39-176	3	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	36.0	34.4	90	86	66-137	5	30	
Ethylbenzene	ug/L	ND	20	20	19.6	17.9	98	90	66-153	9	30	
m&p-Xylene	ug/L	ND	40	40	39.2	34.5	98	86	69-152	13	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.3	18.5	96	92	54-156	4	30	
Naphthalene	ug/L	ND	20	20	16.8	14.4	84	72	61-148	15	30	
o-Xylene	ug/L	ND	20	20	19.0	17.3	95	87	70-148	10	30	
tert-Amyl Alcohol	ug/L	ND	400	400	408	408	102	102	54-153	0	30	
tert-Amylmethyl ether	ug/L	ND	40	40	39.2	38.1	98	95	69-139	3	30	
tert-Butyl Alcohol	ug/L	ND	200	200	181	191	90	95	43-188	5	30	
tert-Butyl Formate	ug/L	ND	160	160	137	119	86	75	10-170	14	30	
Toluene	ug/L	ND	20	20	19.6	18.4	98	92	59-148	6	30	
Xylene (Total)	ug/L	ND	60	60	58.2	51.9	97	86	63-158	12	30	
1,2-Dichloroethane-d4 (S)	%						98	98	70-130			
4-Bromofluorobenzene (S)	%						97	100	70-130			
Toluene-d8 (S)	%						103	98	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771927
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683016, 92664683020, 92664683022, 92664683030, 92664683039, 92664683040, 92664683042

METHOD BLANK: 4007290 Matrix: Water
Associated Lab Samples: 92664683016, 92664683020, 92664683022, 92664683030, 92664683039, 92664683040, 92664683042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	05/03/23 09:47	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	05/03/23 09:47	
Benzene	ug/L	ND	5.0	1.7	05/03/23 09:47	
Diisopropyl ether	ug/L	ND	5.0	3.5	05/03/23 09:47	v2
Ethanol	ug/L	ND	200	144	05/03/23 09:47	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	05/03/23 09:47	
Ethylbenzene	ug/L	ND	5.0	1.8	05/03/23 09:47	
m&p-Xylene	ug/L	ND	10.0	4.1	05/03/23 09:47	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	05/03/23 09:47	
Naphthalene	ug/L	ND	5.0	2.1	05/03/23 09:47	
o-Xylene	ug/L	ND	5.0	2.0	05/03/23 09:47	
tert-Amyl Alcohol	ug/L	ND	100	65.6	05/03/23 09:47	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	05/03/23 09:47	
tert-Butyl Alcohol	ug/L	ND	100	91.0	05/03/23 09:47	
tert-Butyl Formate	ug/L	ND	50.0	24.1	05/03/23 09:47	
Toluene	ug/L	ND	5.0	2.0	05/03/23 09:47	
Xylene (Total)	ug/L	ND	5.0	5.0	05/03/23 09:47	
1,2-Dichloroethane-d4 (S)	%	87	70-130		05/03/23 09:47	
4-Bromofluorobenzene (S)	%	103	70-130		05/03/23 09:47	
Toluene-d8 (S)	%	96	70-130		05/03/23 09:47	

LABORATORY CONTROL SAMPLE: 4007291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	16.2	81	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	366	92	70-130	
Benzene	ug/L	20	17.5	88	70-130	
Diisopropyl ether	ug/L	20	14.5	72	70-130	v3
Ethanol	ug/L	800	632	79	70-130	
Ethyl-tert-butyl ether	ug/L	40	29.9	75	70-130	
Ethylbenzene	ug/L	20	17.8	89	70-130	
m&p-Xylene	ug/L	40	35.8	90	70-130	
Methyl-tert-butyl ether	ug/L	20	15.4	77	70-130	
Naphthalene	ug/L	20	17.0	85	70-130	
o-Xylene	ug/L	20	17.7	88	70-130	
tert-Amyl Alcohol	ug/L	400	371	93	70-130	
tert-Amylmethyl ether	ug/L	40	35.9	90	70-130	
tert-Butyl Alcohol	ug/L	200	172	86	70-130	
tert-Butyl Formate	ug/L	160	127	79	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

LABORATORY CONTROL SAMPLE: 4007291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	17.0	85	70-130	
Xylene (Total)	ug/L	60	53.5	89	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4007292

Parameter	Units	92664683030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.3	101	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	450	112	39-157	
Benzene	ug/L	ND	20	23.6	113	70-151	
Diisopropyl ether	ug/L	ND	20	18.6	92	63-144	v3
Ethanol	ug/L	ND	800	847	106	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	37.6	94	66-137	
Ethylbenzene	ug/L	ND	20	21.6	108	66-153	
m&p-Xylene	ug/L	ND	40	43.9	110	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	18.8	94	54-156	
Naphthalene	ug/L	ND	20	21.0	105	61-148	
o-Xylene	ug/L	ND	20	21.2	106	70-148	
tert-Amyl Alcohol	ug/L	ND	400	462	116	54-153	
tert-Amylmethyl ether	ug/L	ND	40	42.8	107	69-139	
tert-Butyl Alcohol	ug/L	ND	200	256	99	43-188	
tert-Butyl Formate	ug/L	ND	160	31.9J	20	10-170	
Toluene	ug/L	ND	20	20.8	104	59-148	
Xylene (Total)	ug/L	ND	60	65.2	109	63-158	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4007293

Parameter	Units	92664683039 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	4420	4330	2	30	
Diisopropyl ether	ug/L	ND	ND		30	v2
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	1300	1270	3	30	
m&p-Xylene	ug/L	7690	7830	2	30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	1020	1060	4	30	
o-Xylene	ug/L	3680	3750	2	30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

SAMPLE DUPLICATE: 4007293

Parameter	Units	92664683039 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	15100	14800	2	30	
Xylene (Total)	ug/L	11400	11600	2	30	
1,2-Dichloroethane-d4 (S)	%	84	84			
4-Bromofluorobenzene (S)	%	100	103			
Toluene-d8 (S)	%	99	98			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771681
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683001, 92664683002, 92664683003, 92664683004, 92664683005, 92664683006, 92664683007, 92664683008, 92664683009, 92664683010, 92664683011, 92664683012, 92664683013, 92664683014, 92664683015, 92664683016, 92664683017, 92664683018, 92664683019, 92664683020

METHOD BLANK: 4005865 Matrix: Water
Associated Lab Samples: 92664683001, 92664683002, 92664683003, 92664683004, 92664683005, 92664683006, 92664683007, 92664683008, 92664683009, 92664683010, 92664683011, 92664683012, 92664683013, 92664683014, 92664683015, 92664683016, 92664683017, 92664683018, 92664683019, 92664683020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	05/02/23 13:59	
1-Chloro-2-bromopropane (S)	%	98	60-140		05/02/23 13:59	

LABORATORY CONTROL SAMPLE & LCSD: 4005866 4005867

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	0.30	114	121	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				102	72	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4005869 4005870

Parameter	Units	92664683002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	67.5	0.25	0.25	70.9	63.4	1330	-1630	60-140	11	20	M1
1-Chloro-2-bromopropane (S)	%						94	88	60-140			

SAMPLE DUPLICATE: 4005868

Parameter	Units	92664683001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	102	126			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771720
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683021, 92664683022, 92664683023, 92664683024, 92664683025, 92664683026, 92664683027, 92664683028, 92664683029, 92664683030, 92664683031, 92664683032, 92664683033, 92664683034, 92664683035, 92664683036, 92664683037, 92664683038, 92664683039, 92664683040

METHOD BLANK: 4005996 Matrix: Water
Associated Lab Samples: 92664683021, 92664683022, 92664683023, 92664683024, 92664683025, 92664683026, 92664683027, 92664683028, 92664683029, 92664683030, 92664683031, 92664683032, 92664683033, 92664683034, 92664683035, 92664683036, 92664683037, 92664683038, 92664683039, 92664683040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	05/02/23 18:48	
1-Chloro-2-bromopropane (S)	%	99	60-140		05/02/23 18:48	

LABORATORY CONTROL SAMPLE & LCSD: 4005997 4005998

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	0.24	0.26	98	106	60-140	8	20	
1-Chloro-2-bromopropane (S)	%				93	98	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4006000 4006001

Parameter	Units	92664683022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	1.1	0.25	0.25	1.2	1.2	41	30	60-140	2	20	M1
1-Chloro-2-bromopropane (S)	%						88	80	60-140			

SAMPLE DUPLICATE: 4005999

Parameter	Units	92664683021 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	1.7	1.4	16	20	
1-Chloro-2-bromopropane (S)	%	126	117			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UNKNOWN 14324
Pace Project No.: 92664683

QC Batch: 771851
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92664683041, 92664683042, 92664683043, 92664683044, 92664683045, 92664683048, 92664683049, 92664683050, 92664683051, 92664683052

METHOD BLANK: 4006842 Matrix: Water
Associated Lab Samples: 92664683041, 92664683042, 92664683043, 92664683044, 92664683045, 92664683048, 92664683049, 92664683050, 92664683051, 92664683052

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0077	05/02/23 23:38	
1-Chloro-2-bromopropane (S)	%	96	60-140		05/02/23 23:38	

LABORATORY CONTROL SAMPLE & LCSD: 4006843 4006844

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	0.25	102	98	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				90	86	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4006845 4006846

Parameter	Units	92664683041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	381	0.25	0.25	466	481	34200	40300	60-140	3	20	M1
1-Chloro-2-bromopropane (S)	%						107	111	60-140			

SAMPLE DUPLICATE: 4006847

Parameter	Units	92664683042 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	76.3	83.8	9	20	
1-Chloro-2-bromopropane (S)	%	0	0			S4

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALIFIERS

Project: UNKNOWN 14324
Pace Project No.: 92664683

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.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92664683001	MW-1	EPA 8011	771681	EPA 8011	771797
92664683002	MW-2	EPA 8011	771681	EPA 8011	771797
92664683003	MW-4	EPA 8011	771681	EPA 8011	771797
92664683004	MW-5	EPA 8011	771681	EPA 8011	771797
92664683005	MW-12	EPA 8011	771681	EPA 8011	771797
92664683006	MW-13	EPA 8011	771681	EPA 8011	771797
92664683007	MW-19r	EPA 8011	771681	EPA 8011	771797
92664683008	MW-20	EPA 8011	771681	EPA 8011	771797
92664683009	MW-21r	EPA 8011	771681	EPA 8011	771797
92664683010	MW-22	EPA 8011	771681	EPA 8011	771797
92664683011	MW-23	EPA 8011	771681	EPA 8011	771797
92664683012	MW-24	EPA 8011	771681	EPA 8011	771797
92664683013	MW-25	EPA 8011	771681	EPA 8011	771797
92664683014	MW-27	EPA 8011	771681	EPA 8011	771797
92664683015	MW-28	EPA 8011	771681	EPA 8011	771797
92664683016	MW-29	EPA 8011	771681	EPA 8011	771797
92664683017	MW-31	EPA 8011	771681	EPA 8011	771797
92664683018	MW-32	EPA 8011	771681	EPA 8011	771797
92664683019	DW-1	EPA 8011	771681	EPA 8011	771797
92664683020	DW-2	EPA 8011	771681	EPA 8011	771797
92664683021	DW-3	EPA 8011	771720	EPA 8011	771798
92664683022	DW-4	EPA 8011	771720	EPA 8011	771798
92664683023	DW-5	EPA 8011	771720	EPA 8011	771798
92664683024	DW-6	EPA 8011	771720	EPA 8011	771798
92664683025	DDW-1A (83.5)	EPA 8011	771720	EPA 8011	771798
92664683026	DDW-1B (92.5)	EPA 8011	771720	EPA 8011	771798
92664683027	DDW-1C (102.5)	EPA 8011	771720	EPA 8011	771798
92664683028	DDW-1D (112.5)	EPA 8011	771720	EPA 8011	771798
92664683029	DDW-1E (119.5)	EPA 8011	771720	EPA 8011	771798
92664683030	DDW-2	EPA 8011	771720	EPA 8011	771798
92664683031	DDW-3	EPA 8011	771720	EPA 8011	771798
92664683032	DDW-4	EPA 8011	771720	EPA 8011	771798
92664683033	RW-1	EPA 8011	771720	EPA 8011	771798
92664683034	RW-2	EPA 8011	771720	EPA 8011	771798
92664683035	RW-3	EPA 8011	771720	EPA 8011	771798
92664683036	RW-4	EPA 8011	771720	EPA 8011	771798
92664683037	RW-5	EPA 8011	771720	EPA 8011	771798
92664683038	EP-4	EPA 8011	771720	EPA 8011	771798
92664683039	EP-12	EPA 8011	771720	EPA 8011	771798
92664683040	EP-20	EPA 8011	771720	EPA 8011	771798
92664683041	DUP-1	EPA 8011	771851	EPA 8011	771907
92664683042	DUP-2	EPA 8011	771851	EPA 8011	771907
92664683043	DUP-3	EPA 8011	771851	EPA 8011	771907
92664683044	FB-1	EPA 8011	771851	EPA 8011	771907
92664683045	FB-2	EPA 8011	771851	EPA 8011	771907
92664683048	GAC	EPA 8011	771851	EPA 8011	771907
92664683049	SW-1	EPA 8011	771851	EPA 8011	771907
92664683050	SW-2	EPA 8011	771851	EPA 8011	771907

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92664683051	**SW-3**	EPA 8011	771851	EPA 8011	771907
92664683052	**SW-4**	EPA 8011	771851	EPA 8011	771907
92664683049	**SW-1**	EPA 8260D	771388		
92664683050	**SW-2**	EPA 8260D	771390		
92664683051	**SW-3**	EPA 8260D	771390		
92664683052	**SW-4**	EPA 8260D	771390		
92664683001	**MW-1**	EPA 8260D	771422		
92664683002	**MW-2**	EPA 8260D	771809		
92664683003	**MW-4**	EPA 8260D	771809		
92664683004	**MW-5**	EPA 8260D	771809		
92664683005	**MW-12**	EPA 8260D	771809		
92664683006	**MW-13**	EPA 8260D	771809		
92664683007	**MW-19r**	EPA 8260D	771420		
92664683008	**MW-20**	EPA 8260D	771809		
92664683009	**MW-21r**	EPA 8260D	771420		
92664683010	**MW-22**	EPA 8260D	771809		
92664683011	**MW-23**	EPA 8260D	771420		
92664683012	**MW-24**	EPA 8260D	771420		
92664683013	**MW-25**	EPA 8260D	771421		
92664683014	**MW-27**	EPA 8260D	771420		
92664683015	**MW-28**	EPA 8260D	771420		
92664683016	**MW-29**	EPA 8260D	771927		
92664683017	**MW-31**	EPA 8260D	771421		
92664683018	**MW-32**	EPA 8260D	771421		
92664683019	**DW-1**	EPA 8260D	771421		
92664683020	**DW-2**	EPA 8260D	771927		
92664683021	**DW-3**	EPA 8260D	771421		
92664683022	**DW-4**	EPA 8260D	771927		
92664683023	**DW-5**	EPA 8260D	771422		
92664683024	**DW-6**	EPA 8260D	771422		
92664683025	**DDW-1A (83.5)**	EPA 8260D	771422		
92664683026	**DDW-1B (92.5)**	EPA 8260D	771422		
92664683027	**DDW-1C (102.5)**	EPA 8260D	771422		
92664683028	**DDW-1D (112.5)**	EPA 8260D	771422		
92664683029	**DDW-1E (119.5)**	EPA 8260D	771422		
92664683030	**DDW-2**	EPA 8260D	771927		
92664683031	**DDW-3**	EPA 8260D	771422		
92664683032	**DDW-4**	EPA 8260D	771422		
92664683033	**RW-1**	EPA 8260D	771421		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UNKNOWN 14324
Pace Project No.: 92664683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92664683034	**RW-2**	EPA 8260D	771421		
92664683035	**RW-3**	EPA 8260D	771421		
92664683036	**RW-4**	EPA 8260D	771422		
92664683037	**RW-5**	EPA 8260D	771422		
92664683038	**EP-4**	EPA 8260D	771422		
92664683039	**EP-12**	EPA 8260D	771927		
92664683040	**EP-20**	EPA 8260D	771927		
92664683041	**DUP-1**	EPA 8260D	771781		
92664683042	**DUP-2**	EPA 8260D	771927		
92664683043	**DUP-3**	EPA 8260D	771781		
92664683044	**FB-1**	EPA 8260D	771418		
92664683045	**FB-2**	EPA 8260D	771418		
92664683046	**TB-1**	EPA 8260D	771418		
92664683047	**TB-2**	EPA 8260D	771418		
92664683048	**GAC**	EPA 8260D	771418		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 92664683

92664683

LAB USE ... umber or

Company: MECI	Billing Information:
Address: 231 Dooley Rd.	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: Email:	Site/Facility ID #: 14324 Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Contain... 3

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: 8260 Soil	Analyses: EDB (1-2DCA, DBCP) 8011	Lab Profile/Line:
											LAB USE ONLY: Lab Sample # / Comments: 92664683
MW-1	GW	G	4/25	12:18				6	X	X	Strong Odor
MW-2	GW	G	4/25	11:29				6	X	X	Odor
MW-3			4/25								DNS, ABN
MW-4	GW	G	4/25	12:50				6	X	X	Odor
MW-5	GW	G	4/25	13:33				6	X	X	
MW-8											DNS ABN
MW-12	GW	G	4/25	11:51				6	X	X	Slight Odor
MW-13	↓	↓	4/25	11:08				↓	↓	↓	Odor
MW-19R	↓	↓	4/24	15:15				↓	↓	↓	No Odor
MW-20	↓	↓	4/25	11:30				↓	↓	↓	Odor

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2858785

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 427070

Cooler 1 Temp Upon Receipt: 1.2+1.9 oC

Cooler 1 Therm Corr. Factor: 0.0 oC

Cooler 1 Corrected Temp: 1.2+1.9 oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Josh Mallas/Pace	4/26 1855	ARClacette	4-27-23 0800

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: MECI	Billing Information:
Address: 231 Dooley Rd.	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca Time Zone Collected: [ ] PT [ ] MT [ ] CT [Y] ET
Phone: Email:	Site/Facility ID #: 14324 Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: Immediately Packed on Ice: [Y] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: 3 3

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: Btexm, 1-2 DCA, oxys 8260B; EDB 8011

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

92664623

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns			Lab Sample # / Comments
MW-21R	GW	G	4/25	11:18				6	X	X	No Odor 009
MW-22	"	"	4/25	11:40				"	"	"	Odor 010
MW-23	"	"	4/24	12:39				"	"	"	No Odor 011
MW-24	"	"	4/25	13:30				"	"	"	~~No~~ Odor, slight 012
MW-25	"	"	4/25	12:00				"	"	"	Odor 013
MW-26	"	"									FPP, DNS
MW-27	GW	G	4/24	14:31				6	X	X	No Odor 014
MW-28	"	"	4/24	14:24				"	"	"	No odor 015
MW-29	"	"	4/24	14:17				"	"	"	slight Odor 016
MW-30	"	"									DNS, ABN

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BP

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2858786

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92T020
Cooler 1 Temp Upon Receipt: 1.1/1.9 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 1.1/1.9 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Josh Mallas/Pace	4/26 1855	APPac e HW	4-27-23 0800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: MECI	Billing Information:
Address: 231 Dooley Rd.	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca Time Zone Collected: [ ] PT [ ] MT [ ] CT [X] ET
Phone: Email:	Site/Facility ID #: 14324 — Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: Quote #: — DW PWS ID #: DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: — Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) — Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: 3 3

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses: Btexm, 1-2DCA, oxys 8260B | EDB 8011

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

92664623

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Btexm, 1-2DCA, oxys 8260B	EDB 8011	Lab Sample # / Comments
MW-31	GW	G	4/24	11:44				6	X	X	No Odor 017
MW-32			4/24	13:38							No Odor 018
DW-1			4/24	15:08							Slight Odor 019
DW-2			4/24	14:10							Slight Odor 020
DW-3			4/24	12:32							No Odor 021
DW-4			4/24	11:37							Slight Odor 022
DW-5			4/25	10:46							No Odor 023
DW-6			4/24	13:31							Slight Odor 024
DDWHA [83.5']			4/25	9:38							No odor 025
DDW-1B [92.5']	V		4/25	9:43							No odor 026

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2858787

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92100220
Cooler 1 Temp Upon Receipt: 1.1 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 1.1 oC
Comments:

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Relinquished by/Company: (Signature) Josh Mallas/Pace	4/26 1855	ARCPaceHill	4-27-23 0800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: MECI	Billing Information:
Address: 231 Dooley Rd	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca / Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: / Email:	Site/Facility ID #: 14324 / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: / Immediately Packed on Ice: [✓] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type ** : 3 3

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: BTEXNM 1-2DCA, OXYS 8260 / EDB 8011

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
DDW-1C [102.5']	GW	G	4/25	9:49				6	92664083 No Odor 027
DDW-1D [112.5']			4/25	9:53					No Odor 028
DDW-1E [119.5']			4/25	10:02					No Odor 029
DDW-2			4/25	10:21					No odor 030
DDW-3			4/25	10:19					No Odor 031
DDW-4			4/25	10:35					No Odor 032
RW-1			4/25	12:50					Strong Odor 033
RW-2			4/25	12:45					Strong odor 034
RW-3			4/25	13:20					Strong Odor 035
RW-4			4/25	12:54					Strong Odor 036

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BP

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2858788

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 92T070

Cooler 1 Temp Upon Receipt: 1.3 oC

Cooler 1 Therm Corr. Factor: 0.0 oC

Cooler 1 Corrected Temp: 1.3 oC

Comments:

	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Relinquished by/Company: (Signature) Josh Mallas/Pace	4/26 1855		4-27-23 0800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: MECI	Billing Information:
Address: 231 Dooley Rd	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca / Time Zone Collected: [ ] PT [ ] MT [ ] CT [V] ET
Phone: / Email:	Site/Facility ID #: 14324 / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: / Immediately Packed on Ice: [V] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: _____

Container Preservative Type **: 3 3

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses: Btexnm 1-2DCA 1,2 DCA 8260 (X) | EDB 8011 (X)

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

92664683

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns			Lab Sample # / Comments
RW-5	GW	G	4/25	12:34				6	X	X	Strong Odor 037
EP-4	↓	↓	4/25	12:18				↓	↓	↓	Odor 038
EP-12	↓	↓	4/25	12:25				↓	↓	↓	Strong Odor 039
EP-16											DNS, FPP
EP-20	GW	G	4/25	13:01				6	X	X	Strong Odor 040
Dup-1	↓	↓	4/25					↓	↓	↓	041
Dup-2			4/25								042
Dup-3			4/25								043
FB-1			4/24	15:18							044
FB-2	↓	↓	4/25	15:00				↓	↓	↓	045

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2845514

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 92420
Cooler 1 Temp Upon Receipt: 1.9 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 1.9 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Josh Mallas/Pace	4/26 1855	AMPac EHR	4-27-23 0800

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: MECI	Billing Information:
Address: 231 Dooley Rd.	
Report To: B. Shane	Email To: JLC@meci.net
Copy To:	Site Collection Info/Address: 519 East North 1st. St.
Customer Project Name/Number: Unknown 14324	State: SC / County/City: Seneca Time Zone Collected: [ ] PT [ ] MT [ ] CT [V] ET
Phone: / Email:	Site/Facility ID #: 14324 — Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Troy Douglas	Purchase Order #: / Quote #: — DW PWS ID #: / DW Location Code:
Collected By (signature): Troy Douglas	Turnaround Date Required: — Immediately Packed on Ice: [V] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) — Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: 3 3

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses: Btexmn 1-2DCA, oxys 8260 | EDB 8011

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:
92664683

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Btexmn 1-2DCA, oxys 8260	EDB 8011		
TB-1	GW	G	4/24	8:00				6	X	X	No EDB **	046
TB-2			4/25	8:00							No EDB **	047
GAC			4/25	15:01								048
SW-1			4/25	10:21							LDL	049
SW-2			4/25	10:27							LDL	050
SW-3			4/25	10:16							LDL	051
SW-4			4/25	10:19							LDL	052

Customer Remarks / Special Conditions / Possible Hazards:
NO EDB on ** TB-1 + TB-2

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2845515

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: T2020
Cooler 1 Temp Upon Receipt: 1.3 oC
Cooler 1 Therm Corr. Factor: 0.0 oC
Cooler 1 Corrected Temp: 1.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	4/26 1100	Josh Mallas/Pace	4/26/23 1100
Josh Mallas/Pace	4/26 1855	APC Pace PM	4/27/23 0800

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

(1)

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6													
2																6													
3																6													
4																6													
5																6													
6																6													
7																6													
8																6													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

2

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6												
2																6												
3																6												
4																6												
5																6												
6																6												
7																6												
8																6												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

(3)

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6												
2																6												
3																6												
4																6												
5																6												
6																6												
7																6												
8																6												
9																6												
10																6												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

4

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6												
2																6												
3																6												
4																6												
5																6												
6																6												
7																6												
8																6												
9																6												
10																6												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # 5

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																6												
2																6												
3																6												
4																6												
5																6												
6																6												
7																6												
8																6												
9																6												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # 6

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																2												
2																2												
3																6												
4																6												
5																6												
6																6												
7																6												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

APPENDIX C:

TAX MAP

(Not Applicable)

APPENDIX D:

SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS

(Not Applicable)

APPENDIX E:

WELL COMPLETION LOGS & 1903 FORMS

(Not Applicable)

APPENDIX F:

AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS

(Not Applicable)

APPENDIX G:

DISPOSAL MANIFEST

Midlands
Environmental
Consultants, Inc.

May 9, 2023

Re: Treatment of Purge Water
UST – Unknown 14324
Seneca, South Carolina
UST Permit# 14324
MECI Project Number 23-8089

To Whom it May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.

2. No free-product was detected in any of the purge water drums.

3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.

4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.

5. Record of usage is maintained by Contractor.

6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.

7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 80 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

On April 24-25, 2023, a total of 226.00 gallons were treated at the referenced site during the comprehensive groundwater sampling event.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

APPENDIX H:

LOCAL ZONING REGULATIONS

(Not Applicable)

APPENDIX I:

FATE AND TRANSPORT MODELING

(Not Applicable)

APPENDIX J:

ACCESS AGREEMENTS

(Not Applicable)

APPENDIX K:

DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?	X		
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? (Table 2 & Figure 4/4A/4B)	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format?			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format? (Table 1)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figures 3, 3A, 3B)	X		
40	Has the site potentiometric map been provided? (Figure 4, 4A, 4B)	X		
41	Have the geologic cross-sections been provided?			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		

APPENDIX L:

DETAILED RECEPTOR INFORMATION/SITE PHOTOS



Permit#-Receptor Name: (14324-SW01)
Parcel ID: 520-24-04-022
Property Owner Name: Wayne & Brenda Frady
Property Owner Address: 430 E North 5th Street, Seneca, SC 29678
SW Details: Sample collected from creek located approximately 900' north/northeast of the site. GPS- 34.689108, -82.946114



Permit#-Receptor Name: (14324-SW02)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 750' north/northeast of the site. GPS- 34.688505, -82.945634



Permit#-Receptor Name: (14324-SW03)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 650' northeast of the site. GPS- 34.688169, -82.945495



Permit#-Receptor Name: (14324-SW04)
Parcel ID: 520-30-02-006
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 600' east of the site. GPS- 34.687784, -82.945225


14324-MW26
FPP


14324-EP16
FPP

Midlands Environmental Consultants, Inc.

January 5, 2024

Ms. Jamie Sample-Hilerio, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

RECEIVED
JAN 09 2024
UST DIVISION



Subject: Site-Specific Work Plan
Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Sample-Hilerio,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

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

To: Ms. Jamie Sample-Hilerio (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Unknown 14324 UST Permit #: 14324
Facility Address: 519 E 1st Street, Seneca, SC 29678
Responsible Party: Betty Lathem- Trustee Phone: 864-288-6480
RP Address: 2 West Washington Street, Suite 1100, Greenville, SC 29601
Property Owner (if different): Gary Alexander
Property Owner Address: 414 Edgewater Drive, Westminster, SC 29693
Current Use of Property: Maintenance Shop/ Abandoned Lot

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☑ Other Installation of Absorbent Socks
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260D)
- ☑ Oxygenates (8260D)
- ☑ EDB (8011)
- ☐ PAH (8270E)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260D)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ PAH
- ☐ Lead
- ☐ RCRA Metals
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ 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	2 Field Blank
38 Monitoring Wells	4 Surface Water	3 Duplicate	3 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 #: 14234 Facility Name: Unknown 14324

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 1/5/2024 Field Work Completion: 4/5/2024

Report Submittal: 5/5/2024 # of Copies Provided to Property Owners: _____

Aquifer Characterization

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

Investigation Derived Waste Disposal

Soil: _____ Tons Purge Water: 500.0 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/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

-MECI proposes installing absorbent socks in monitoring wells MW-26 and EP-16 in order to passively remove free product for a period of 6 months.

-Absorbent socks will have a 1-month changeout frequency. At each changeout, free product will be gauged and thickness recorded.

-If free phase product is not gauged for a total of two changeout events, the use of socks will be terminated.

-In addition, if product is still detected following the 6 month changeout proposal, additional changeout events may be necessary.

-Following the removal free phase petroleum product, a groundwater sampling event is proposed in September of 2024.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)

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

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

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

Name of Well Driller: _____

SCLLR Certification Number: _____

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

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** Proposal

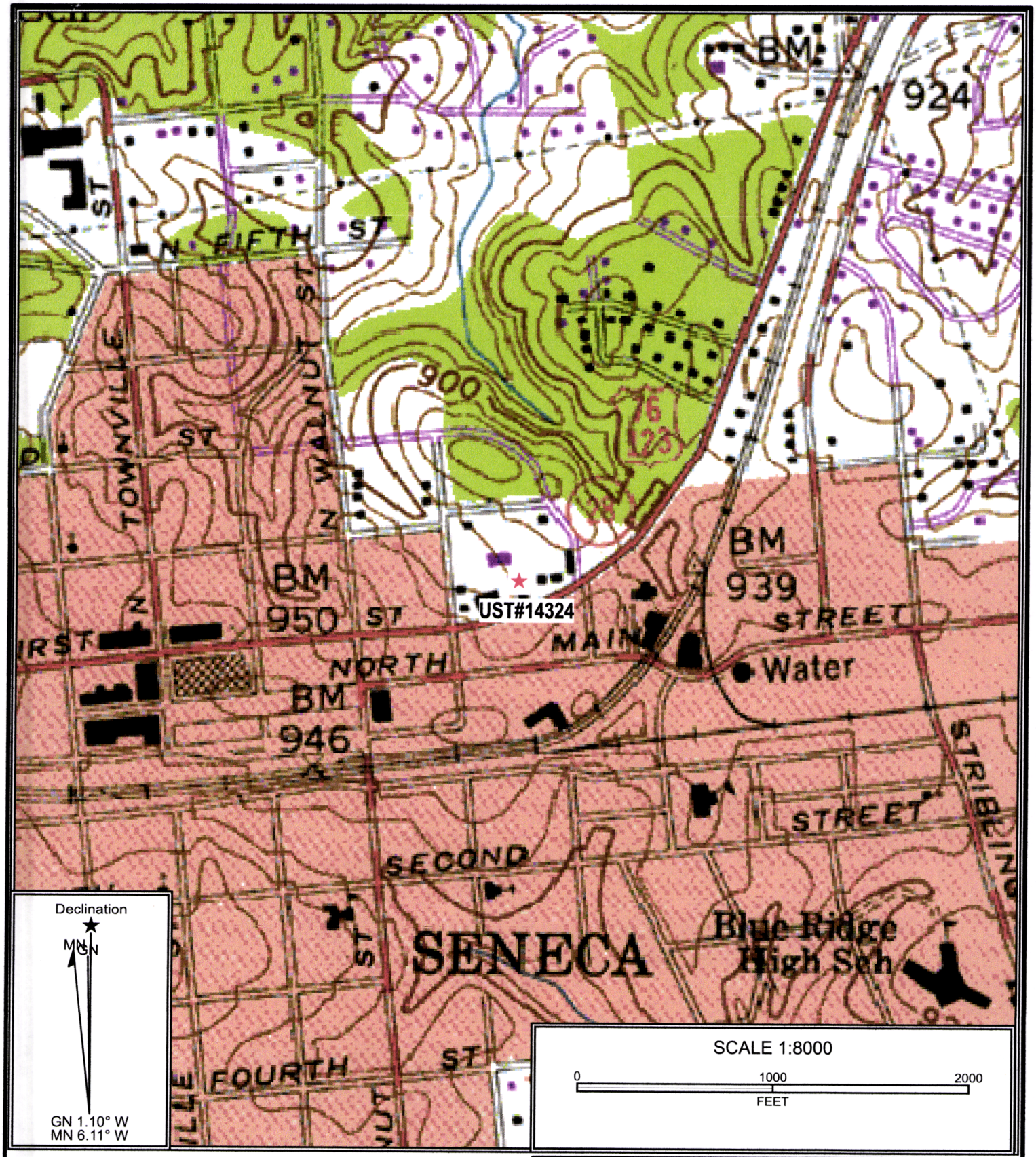
ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan	1	each	$183.22		$183.22
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel	3	each	$516.69		$1,550.07
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. **Well Installation (In accordance with R.61-71)**					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00

J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge	37	per well	$73.29		$2,711.73
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve	5	sample	$34.20		$171.00
4.2B No-purge Groundwater Sample/Surface wate	4	sample	$57.24		$228.96
5.2 Gauge Well only		sample	$8.55		$0.00
6.2 Sample Below Product	4	sample	$14.66		$58.64
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bla	5	sample	$30.06		$150.30
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	54	per sample	$149.02		$8,047.08
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	52	per sample	$55.21		$2,870.92
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00

K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	500	gallon	$1.19		$595.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00

W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event		per event	$14,482.28		$0.00
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour		per event	$898.84		$0.00
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal		gallon	$0.53		$0.00
17.2 AFVR Mobilization/Demobilization		each	$777.60		$0.00
18.1 Mobilization for absorbents/skimmers	7	each	$516.69		$3,616.83
19.1 Well sock 2" ID well	12	each	$36.94		$443.28
20.1 Well sock 4" ID well		each	$49.03		$0.00
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents	100	pound	$4.10		$410.00
28.1 Disposal of product from skimmers		gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00

Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$21,037.03		$2,524.44
TOTAL					$23,561.47



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

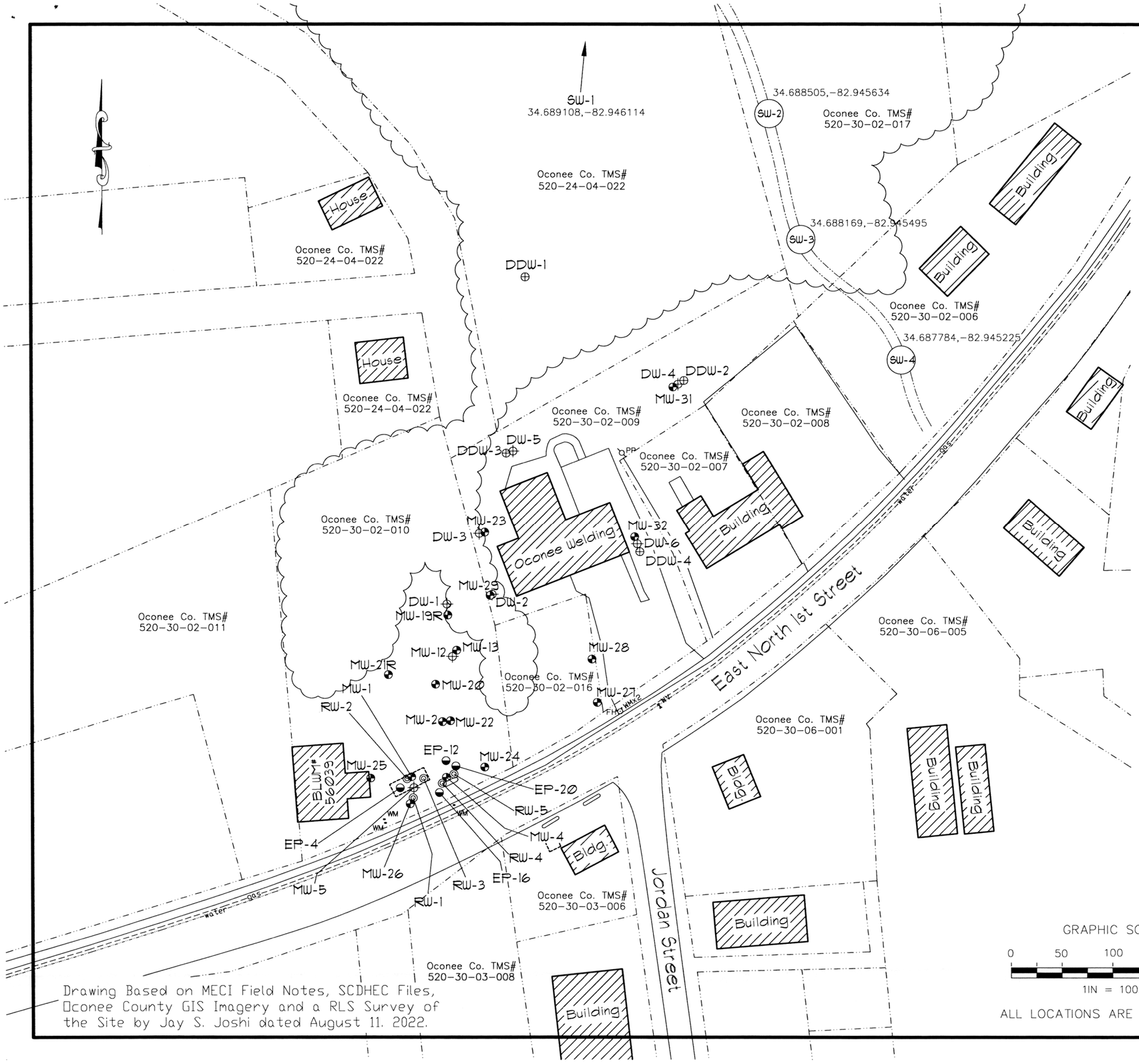
Midlands Environmental Consultants, Inc.

Site Location

UST-Unknown #14324
519 East North 1st Street, Seneca, SC
UST Permit# 14324

Figure 1

MECI 23-8089



Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-Inch Extraction Point
- Location of 4-Inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas — Buried Gas Line
- water — Buried Water Line

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 23-8089

DATE May 9, 2023

FIGURE 2

dhec
Healthy People. Healthy Communities.

ATTEN: J. TOD HYCHE

BETTY LATHEM – TRUSTEE
2 W WASHING STREET
SUITE 1100
GREENVILLE SC 29601

MAR 19 2024



Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
UST Unknown 14324, 519 E. N. 1st St., Seneca, SC
UST Permit #14324; CA #68407
Release #1 reported December 30, 1991
Site Specific Work Plan received January 9, 2024
Oconee County

To Whom It May Concern :

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third-party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $377,887.43 has been expended from the SUPERB Account to date.** This scope of work, as recommended by your contractor, is anticipated to cost approximately $23,561.48.

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This

means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

If the report cannot be submitted by the required due date, an extension may be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report is not submitted by the required due date.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work. **Per Section III.3.b of the SUPERB Site Rehabilitation and Fund Access Regulations (R.61-98), reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred.**

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0605, by fax at (803) 898-0673, or by email at medlinlj@dhec.sc.gov.

Sincerely,

Jason Medlin

Jason Medlin, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Midlands Environmental Consultants Inc., PO Box 854, Lexington, SC 29071 (w/ enc)
Technical file (w/ enc)

Approved Cost Agreement 68407

Facility: 14324 UST - UNKNOWN 14324

MEDLINLJ

PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION						
		1.2	SITE SPECIFIC WORK PLAN	1.0000	$183.220	183.22
D MOB/DEMOB						
		2.2	PERSONNEL	3.0000	$516.690	1,550.07
J SAMPLE COLLECTION						
		1.2	GROUND WATER PURGE	37.0000	$73.290	2,711.73
		4.1A	HYDRASLEEVE	5.0000	$34.200	171.00
		4.2B	NO-PURGE GROUNDWATER	4.0000	$57.240	228.96
		6.2	SAMPLE BELOW PRODUCT	4.0000	$14.660	58.64
		8.2	FIELD DUPL. (MWS & WSWS) & FB	5.0000	$30.060	150.30
K ANALYSES						
	GW GROUNDWATER	1.2	BTEXNM+OXYGS+1,2 DCA+ETH 8260D	54.0000	$149.020	8,047.08
		7.2	EDB BY EPA 8011	52.0000	$55.210	2,870.92
Q DISPOSAL						
		1.2	WASTEWATER	500.0000	$1.190	595.00
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	$21,037.030	2,524.44
W AFVR						
		18.1	MOB. FOR ABSORBENTS/SKIMMERS	7.0000	$516.690	3,616.83
		19.1	WELL SOCK 2" ID WELL	12.0000	$36.940	443.28
		27.1	DISPOSAL OF ABSORBENTS	100.0000	$4.100	410.00
				Total Amount		23,561.47

Outlook

Re: UST Permit# 14324

From Stephanie M. Briney <Stephanie.Briney@des.sc.gov>
Date Wed 9/25/2024 2:34 PM
To jlc <jlc@meci.net>

Jeff,

Sounds good and I can set the due date for 11/30/24. November doesn't have 31 days so I can't set it to the date you proposed ☺
Let me know if you need anything else.

Stephanie Briney, Manager
Corrective Action and Field Support
UST Management Division
Bureau of Land and Waste Management
O: 803-898-0595
C: 803-608-0455
Stephanie.Briney@des.sc.gov
DES.SC.gov



SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

On July 1, 2024, the S.C. Department of Health & Environmental Control (DHEC) will become two separate agencies: S. C. Department of Environmental Services (SCDES) and S.C. Department of Public Health (DPH). My old DHEC email address will still be directed to me for the time being, but please make note of my new contact information in my email signature beginning July 1.

From: jlc@meci.net <jlc@meci.net>
Sent: Wednesday, September 25, 2024 2:25 PM
To: Stephanie M. Briney <Stephanie.Briney@des.sc.gov>
Subject: RE: UST Permit# 14324

This Message Is From an External Sender
This message came from outside your organization.

Hey Steph,

Thanks for reminding me! I forgot I emailed him. I sent a guy up there to check the socks and one had some staining, but no product..so, I had him flip the sock until we heard back from Jason. We will be in that area in the next 2 weeks, so we will stop by and check one last time. If all looks good then we will pull socks and proceed with sampling shortly after. If you don't mind...could you please set due date for 11/31/24? We have a few big

projects coming up over the next few weeks and not sure exactly which week we will be able to get up there to sample. It could be Mid-October before we sample and PACE is running behind right now. Thank you for following up! I honestly totally forgot.

Thanks,

Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net

From: Stephanie M. Briney <Stephanie.Briney@des.sc.gov>
Sent: Wednesday, September 25, 2024 11:34 AM
To: jlc <jlc@meci.net>
Subject: UST Permit# 14324

Jeff,

Good Morning, I am going through Jason's emails and I didn't see a response to the email you send him on 8/16/24 about this site. Thank you for the update and I see no problem with you pulling the socks and sampling, which you probably already have done. Our database has a due date of 5/17/24 for the sampling report but I don't think that was set correctly to account for the 6 months of gauging/socks and sampling. I think the due date should be 10/31/2024. Would this date work for you??

Stephanie Briney, Manager
Corrective Action and Field Support
UST Management Division
Bureau of Land and Waste Management
O: 803-898-0595
C: 803-608-0455
Stephanie.Briney@des.sc.gov
DES.SC.gov

SC DEPARTMENT of ENVIRONMENTAL SERVICES

On July 1, 2024, the S.C. Department of Health & Environmental Control (DHEC) will become two separate agencies: S. C. Department of Environmental Services (SCDES) and S.C.

Department of Public Health (DPH). My old DHEC email address will still be directed to me for the time being, but please make note of my new contact information in my email signature beginning July 1.

From: jlc@meci.net <jlc@meci.net>
Sent: Friday, August 16, 2024 10:00 AM
To: Lawrence J. Medlin <lawrence.medlin@des.sc.gov>
Cc: Lawrence J. Medlin <lawrence.medlin@des.sc.gov>
Subject: UST#14324

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

This Message Is From an External Sender
This message came from outside your organization.

Jason,

I wanted to touch base regarding the absorbents socks/GWS sampling project we are currently working on. We have had socks out here since April and the past two visits, did not detect free phase petroleum product in the wells with socks deployed. There is still some staining on the socks, but seems like we are getting close. We are going to mobilize one last time in the next week or so and pull the socks and proceed with the sampling event.

Just wanted to make sure that was good with you and if you had any questions?

Thanks,



Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Outlook

UST#14324/68407-Addendum (Jason Medlin)

From jlc@meci.net <jlc@meci.net>
Date Wed 11/6/2024 4:05 PM
To Stephanie M. Briney <Stephanie.Briney@des.sc.gov>

1 attachments (82 KB)
68407_Addendum.xlsx;



Steph,

Please find the attached addendum for the above referenced site. Should have report submitted in next week or so after speaking with client.

Let me know if you have any questions or concerns.

Thanks,

Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

SC DEPARTMENT *of* **ENVIRONMENTAL SERVICES**

ASSESSMENT COMPONENT COST AGREEMENT
South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: UST Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** 68407

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Plan Preparation				
1.2 Site-specific Work Plan		each	$183.22	$0.00
2.2 Tax Map		each	$85.50	$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00	$0.00
B. Survey				
1.1 Receptor Survey		each	$673.06	$0.00
C. Survey				
1.2 Comprehensive Survey		each	$1,270.36	$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57	$0.00
D. Mob/Demob				
1.2 Equipment		each	$1,245.93	$0.00
2.2 Personnel		each	$516.69	$0.00
3.2 Adverse Terrain Vehicle		each	$610.75	$0.00
E. Soil Borings				
1.1 Soil Borings (hand auger)		foot	$21.80	$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)				
1.2 Standard		per foot	$33.50	$0.00
2.2 Fractured Rock		per foot	$41.40	$0.00
G.				
H. Well Abandonment				
1.2 2" diameter or less		per foot	$3.79	$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50	$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32	$0.00
I. Well Installation (In accordance with R.61-71)				
1.2 Water Table (hand augered)		per foot	$31.40	$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90	$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80	$0.00
3.2 Telescoping		per foot	$84.70	$0.00
4.2 Rock Drilling		per foot	$81.80	$0.00
5.2 2" Rock Coring		per foot	$88.50	$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40	$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60	$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00	$0.00
10.2 Re-develop Existing Well		per foot	$13.44	$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product				
1.2 Groundwater Purge	-8	per well	$73.29	($586.32)
2.2 Air or Vapors		sample	$14.66	$0.00
3.2 Water Supply Sample		sample	$26.87	$0.00
4.1A HydraSleeve		sample	$34.20	$0.00
4.2B No-purge Groundwater Sample/Surface water		sample	$57.24	$0.00
5.2 Gauge Well only	2	sample	$8.55	$17.10
6.2 Sample Below Product	2	sample	$14.66	$29.32
7.2 Passive Diffusion Bag		sample	$31.75	$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bla	-1	sample	$30.06	($30.06)
9.2 Groundwater (low flow purge)		sample	$111.16	$0.00
10.2 Equipment Blank		sample	$30.06	$0.00
11.1 Sample Product		per well	$52.66	$0.00
K. Laboratory Analyses-Groundwater				
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	-4	per sample	$149.02	($596.08)
2.2 Lead, Filtered		per sample	$16.85	$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62	$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20	$0.00
5.2 PAH's		per sample	$74.02	$0.00
6.2 Lead		per sample	$19.54	$0.00

Addendum

Previously Approved:	$23,561.47
Increase:	($2,380.17)
New Approved Total:	**$21,181.31**

Project Manager: _____

Section Manager: _____

Finance: _____

Date:

# of pages ___	
	From:
	UST/SCDHEC
fax # ( )	
Phone # ( )	

The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria

7.2 EDB by EPA 8011	-4	per sample	$55.21		($220.84)
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	-320.75	gallon	$1.19		($381.69)
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event		per event	$14,482.28		$0.00
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour		per event	$898.84		$0.00
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00

10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal		gallon	$0.53		$0.00
17.2 AFVR Mobilization/Demobilization		each	$777.60		$0.00
18.1 Mobilization for absorbents/skimmers		each	$516.69		$0.00
19.1 Well sock 2" ID well		each	$36.94		$0.00
20.1 Well sock 4" ID well		each	$49.03		$0.00
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents	-86.97	pound	$4.10		($356.58)
28.1 Disposal of product from skimmers		gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00
Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	($2,125.15)		($255.02)
TOTAL					($2,380.17)

Document Receipt Information

[X] Hard Copy [ ] CD [ ] Email

Date Received 11-15-24

Permit Number 14324

Project Manager vac - Stephanie

Name of Contractor MECI

Description Absorbent Sock Recovery / 6 wm

Docket Number 89 tech

Scanned _____

Verified _____

ABSORBENT SOCK RECOVERY & GROUNDWATER MONITORING REPORT

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324
CA # 68407

Prepared By:

Midlands Environmental Consultants, Inc.
231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

November 6, 2024

MECI Project No. 24-8321

Midlands Environmental Consultants, Inc.

November 6, 2024

Mr. Jason Medlin, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land & Waste Management
South Carolina Department of Environmental Services
2600 Bull Street
Columbia, South Carolina 29201

Subject: Absorbent Sock Recovery & Groundwater Monitoring Report
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324; CA# 68407
MECI Project# 24-8321
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Medlin,

On behalf of Ms. Betty Lathem (Trustee), Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Absorbent Sock Recovery & Groundwater Monitoring Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Environmental Services (SCDES) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

SOUTH CAROLINA REGISTERED PROFESSIONAL GEOLOGIST No. 1102 BRYAN T. SHANE

Bryan T. Shane, P.G.
Principal Geologist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

Cc:

Oconee Welding Supply, Inc., 601 E North 1ST Street, Seneca, SC 29678
Wayne & Brenda Frady, 430 E North 5TH Street, Seneca, SC 29678

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

2.0 RECEPTOR SURVEY & SITE DATA **2**

3.0 ABSORBENT SOCK RECOVERY **4**

4.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES **4**

5.0 ANALYTICAL RESULTS **7**

6.0 SUMMARY **8**

7.0 COMMENTS & RECOMMENDATIONS **9**

8.0 QUALIFICATIONS OF REPORT **9**

TABLE OF CONTENTS (cont.)

TABLES: Table 1 – GROUNDWATER COC CONCENTRATION DATA
Table 2 – POTENTIOMETRIC DATA
Table 3 – ABSORBENT SOCK RECOVERY DATA (MW-26)
Table 3A – ABSORBENT SOCK RECOVERY DATA (EP-16)

FIGURES: Figure 1 – TOPOGRAPHIC MAP
Figure 2 – SITE BASE MAP
Figure 3 – GROUNDWATER COC SITE MAP
Figure 3A – GROUNDWATER COC SITE MAP (Oxygenates)
Figure 4 – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Shallow" Zone)
Figure 4A – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Intermediate" Zone)
Figure 4B – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Deep" Zone)
Figure 5 – TOTAL BTEX ISOPLETH ("Shallow" Zone)
Figure 5A – NAPHTHALENE ISOPLETH ("Shallow" Zone)
Figure 5B – TOTAL BTEX ISOPLETH ("Deep" Zone)
Figure 5C – NAPHTHALENE ISOPLETH ("Deep" Zone)

**APPENDIX A – SITE SURVEY
APPENDIX B – SAMPLING LOGS, LABORATORY DATA SHEETS AND CHAIN OF CUSTODY FORMS
**APPENDIX C – TAX MAP DATA
**APPENDIX D – SOIL BORING/TEMPORARY MONITORING WELL LOGS & 1903 FORMS
**APPENDIX E – PERMANENT WELL LOGS & 1903 FORMS
**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
APPENDIX G – DISPOSAL MANIFESTS
**APPENDIX H – LOCAL ZONING REGULATIONS
**APPENDIX I – FATE & TRANSPORT MODELING
**APPENDIX J – ACCESS AGREEMENTS
APPENDIX K – DATA VERIFICATION CHECKLIST
APPENDIX L – DETAILED RECEPTOR INFORMATION
APPENDIX M – PHOTOS

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

i. Facility Information

Name:	UST-Unknown 14324
UST Permit#	14324
Address:	519 East North 1st Street, Seneca, SC 29678
Telephone #:	N/A

ii. Owner/Operator Information

Name	Ms. Betty Lathem (Trustee)
Address	2 West Washington Street, Suite 1100, Greenville, SC 29601
Telephone #	(864) 288-6480

iii. Property Owner Information

Name	Gary Alexander
Tax Map #:	Oconee County Tax Map#: 520-30-02-010
Address	414 Edgewater Drive, Westminster, SC 29693
Telephone #	(864) 719-0477

iv. Contractor Information

Name:	Midlands Environmental Consultants, Inc.
Certification #:	9
Address:	231 Dooley Road, Lexington, SC 29073
Telephone #:	(803) 808-2043

v. Well Driller Information

Name:	N/A
Certification #:	N/A
Address:	N/A
Telephone #:	N/A

vi. Laboratory Information

Name:	Pace Analytical Services, LLC.
Certification #:	99006001
Address:	9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #:	(704) 875-9092

vi. Facility History

Release Date:		12/30/1991	
Estimated Quantity of Release:		Unknown	
Other Releases at Facility:		N/A	
Release Ranking:		2BA	
Current Site Usage:		Vacant Lot	
Tank #	**Capacity/Product**	**In Use/Abandoned**	**Tank Status**
1	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
2	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
3	500 Gal. Kerosene	Abandoned	Removed (12/19/1991)

vii. Regional Geology and Hydrogeology

The site is located in the Piedmont Physiographic Province of South Carolina, an area underlain by ancient igneous and metamorphic rocks. The soils in this province are generally residual soils that are underlain by rock at highly varying depths.

The soils encountered in this area are the product of in-place weathering of rocks similar to the rocks underlying the site. In areas not altered by erosion or disturbed by the activities of man, the typical residual soil profile consists of near surface clayey soils and underlying sandy silt and sand. The boundary between soil and rock is gradational. A transitional zone termed "weathered rock" is normally found overlying the parent bedrock. This zone is typically the most transmissive zone for groundwater movement. Consequently, the topography of the bedrock surface is uneven, even over short horizontal distances. It is not unusual to find lenses and boulders of hard rock and zones of weathered rock within the soil mantle well above the general bedrock level.

Local precipitation is the source of practically all of the groundwater in Greenville County. A portion of the precipitation infiltrates into the ground and moves under the influence of gravity to the surficial aquifer. After the water has reached the surficial aquifer, the direction of movement is generally parallel to the hydraulic gradient. In the Piedmont Province, the slope of the surficial aquifer's surface under static conditions (no pumping interference) approximates the topography of an area. Thus, the movement of groundwater within the soil mantel is typically in the direction of the topographic slope. Local groundwater flow patterns may be affected by disturbed areas such as tank pits, utility trenches, building foundations, borings, wells, etc. Groundwater flow in fractured rock is often difficult to interpret due to the variability of fracture connectivity and orientation.

2.0 RECEPTOR SURVEY & SITE DATA

i. Known Potential Receptors

Receptor ID#	Notes
SW-1	SW-1 was collected from a creek located approximately 900' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.689108, -82.946114
SW-2	SW-2 was collected from a creek located approximately 750' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688505, -82.945634
SW-3	SW-3 was collected from a creek located approximately 650' feet northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688169, -82.945495
SW-4	SW-4 was collected from a creek located approximately 600' feet east of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.687784, -82.945225
Underground Utilities	
Known underground utilities at the site include buried water, communication, gas and sewer lines.	

ii. Receptor Survey Results

In 2022, MECI personnel reviewed the surrounding area for a distance of approximately 1,000 feet to determine if there were any potential receptors for the migration of contaminated groundwater. During the review, MECI personnel identified one stream within the search radius. The receptor

search included a driving tour of the area, interviews with available property owners, and review of the U.S. Fish & Wildlife Service's (USFWS) Wetlands Mapper.

iii. Site/Adjacent Land Usage (Residential, Commercial, Agricultural, Industrial, etc.)

Site	Commercial
North	Residential
South	Commercial
East	Commercial
West	Commercial
Permit #'s of UST Sites within 1,000' feet of site	07304, 11419

In addition to the above noted UST facilities known to be located within 1,000' feet of the subject site, the site itself is also documented to have been a former dry-cleaning facility (Tri-City Cleaners-BLMW# 56039). Furthermore, there appears to be an undocumented former gasoline service station located directly south of the subject site at Oconee County Tax Map #520-30-03-006.

iv. Site Specific Geology and Hydrogeology

The mean elevation of the property, as depicted on the local USGS quadrangle (Seneca, South Carolina), appears to be approximately 960 feet above sea level.

According to Horton et al. (Preliminary digital geologic map of the Appalachian Piedmont and Blue Ridge, South Carolina segment), the subject site is located in the Wallhalla Metamorphic Suite. The Wallhalla Metamorphic Suite is compromised predominately of hornblende-plagioclase gneiss and amphibolite with interlayers of biotite-quartz-felspar gneiss in localized undivided settings.

Piedmont soils were encountered during drilling activities conducted at the site during previous assessment activities. A generalized vertical profile to the investigated depth of 120' feet below ground surface (BGS) is as follows:

Depth (Feet BGS)	**Generalized Soil Description**
0.0'-15.0'	Red/Brown, Silty Fine to Coarse SAND
15.0'-75.0'	Brown, Fine to Medium Sandy Micaceous SILT
Bedrock was encountered at depths ranging from 53.0' feet below ground surface (BGS) in DDW-1 to 82.0' feet BGS in DDW-2.	

The following table presents grain size distribution results from samples analyzed for grain size during previous assessment activities:

Sample ID#	**Sample Depth**	**% Gravel**	**% Coarse Sand**	**% Medium Sand**	**% Fine Sand**	**% Silt**	**% Clay**
14324-MW32	35.0'-40.0'	3.1	10.0	30.0	32.0	18.9	6.0
14324-DW05	60.0'-65.0'	1.4	6.0	37.0	40.7	11.9	3.0
14324-DDW04	85.0'-90.0'	12.8	23.0	28.0	31.4	3.8	1.0

On October 16, 2024, stabilized groundwater levels were measured in the monitoring well network. Depth to groundwater ranged from 29.28 feet below top of casing (BTOC) to 63.42 feet BTOC in the

wells measured. The groundwater measurements are summarized in tabular form in Table 2 and presented on Figure 4/4A/4B.

The potentiometric surface indicates that the groundwater flow beneath the site is generally to the east/northeast, toward an unnamed tributary associated with the Cane Creek. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

3.0 ABSORBENT SOCK RECOVERY

On April 19, 2024, MECI deployed 2"-Inch Durham Geo Slope Indicator SoakEase™ Absorbent Socks into wells MW-26 and EP-16 to passively remove free phase petroleum product. The absorbent sock was changed on May 9, 2024, May 23, 2024, June 26, 2024, July 22, 2024 and August 23, 2024. The absorbent socks were removed on October 7, 2024 due to free phase petroleum product not being detected for two consecutive changeout events. The results of the passive recovery are shown below and detailed recovery information is presented in Table 3 (MW-26) and Table 3A (EP-16).

MW-26			
Date	**Depth to Water**	**Depth to Product**	**Product Thickness**
4/19/2024	27.20	27.70	0.50
5/9/2024	27.74	Not Detected	-
5/23/2024	27.76	Globules	Globules
6/26/2024	27.71	Globules	Globules
7/22/2024	28.16	Not Detected	-
8/23/2024	28.85	Not Detected	-
10/7/2024	29.60	Not Detected	-
EP-16			
Date	**Depth to Water**	**Depth to Product**	**Product Thickness**
4/19/2024	28.15	28.18	0.03
5/9/2024	28.35	Not Detected	-
5/23/2024	28.22	Not Detected	-
6/26/2024	28.26	Not Detected	-
7/22/2024	28.84	Not Detected	-
8/23/2024	29.53	Not Detected	-
10/7/2024	31.11	Not Detected	-

A total of approximately 1.03 gallons of product was recovered during the recovery events. Spent absorbent socks were transported to Richland County Landfill in Elgin, SC for disposal. A total of 13.03 pounds of absorbent socks were disposed. A disposal manifest for the spent absorbent socks is presented in Appendix G.

4.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES

On October 16, 2024, MECI personnel collected groundwater samples from thirty-six (36) monitoring wells and four (4) surface water locations. Two (2) monitoring wells (MW-23 and MW-31) were gauged and determined to be dry. During sampling activities, free phase petroleum product was detected in wells MW-1, RW-1, RW-3, RW-4, RW-5 and EP-4. Samples were collected beneath the free phase petroleum product layer from these wells which exhibited free phase product. As approved by SCDES, only monitoring wells which did not bracket the water table were to be purged prior to sample collection. Twenty-nine (29) monitoring wells were purged prior to sample collection.

Monitoring well DDW-1 was sampled utilizing a Hydrasleeve™ tether compromising of five discreet sampling depths (83.5', 92.5', 102.5', 112.5' and 119.5').

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Unless otherwise noted (DDW-1), sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets present the results of the field measurements obtained. The wells were sampled in accordance with SCDES's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

The following sampling matrix summarizes well development and requested analyses for each monitoring well:

Sample ID	Purge	Sampled Under Product	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
MW-1		X					X	X	X	X				
MW-2	X						X	X	X	X				
MW-3						X								
MW-4	X						X	X	X	X				
MW-5	X						X	X	X	X				
MW-8						X								
MW-12	X						X	X	X	X				
MW-13	X						X	X	X	X				
MW-19R	X						X	X	X	X				
MW-20	X						X	X	X	X				
MW-21R	X						X	X	X	X				
MW-22	X						X	X	X	X				
MW-23			X											
MW-24	X						X	X	X	X				
MW-25	X						X	X	X	X				
MW-26	X						X	X	X	X				
MW-27	X						X	X	X	X				
MW-28	X						X	X	X	X				
MW-29	X						X	X	X	X				
MW-30						X								
MW-31			X											
MW-32	X						X	X	X	X				

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	Sampled Under Product	No Purge	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
DW-1	X						X	X	X	X				
DW-2	X						X	X	X	X				
DW-3	X						X	X	X	X				
DW-4	X						X	X	X	X				
DW-5	X						X	X	X	X				
DW-6	X						X	X	X	X				
DDW-1 (83.5')					X		X	X	X	X				
DDW-1 (92.5')					X		X	X	X	X				
DDW-1 (102.5')					X		X	X	X	X				
DDW-1 (112.5')					X		X	X	X	X				
DDW-1 (119.5')					X		X	X	X	X				
DDW-2	X						X	X	X	X				
DDW-3	X						X	X	X	X				
DDW-4	X						X	X	X	X				
RW-1		X					X	X	X	X				
RW-2	X						X	X	X	X				
RW-3		X					X	X	X	X				
RW-4		X					X	X	X	X				
RW-5		X					X	X	X	X				
EP-4		X					X	X	X	X				
EP-12	X						X	X	X	X				
EP-16	X						X	X	X	X				
EP-20	X						X	X	X	X				
SW-1			X				X	X	X	X				
SW-2			X				X	X	X	X				
SW-3			X				X	X	X	X				
SW-4			X				X	X	X	X				
DUP-1(EP-12)				X			X	X	X	X				
DUP-2(RW-3)				X			X	X	X	X				
DUP-3(EP-16)				X			X	X	X	X				
Field Blank				X			X	X	X	X				
Trip Blank 1							X		X	X				
Trip Blank 2							X		X	X				

Notes: **BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes**
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 1 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 179.25 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached in Appendix G and the required post-GAC laboratory results in presented in Appendix B.

5.0 ANALYTICAL RESULTS

Free phase petroleum product was detected in monitoring wells MW-1 (0.05'), RW-1 (0.02'), RW-3 (0.01'), RW-4 (0.02'), RW-5 (0.01') and EP-4 (0.03'). Samples were collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- The analytical results indicate petroleum impact to the "shallow" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of the former UST system.

- The analytical results indicate petroleum impact to the "intermediate" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of DW-2.

- The analytical results did not indicate petroleum impact to the "deep" zone or any of the surface water samples collected during sampling activities.

Of the forty sampling locations analyzed, twenty-four monitoring wells (MW-1, MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-26, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 and EP-20) detected petroleum constituents above Risk-Based Screening Levels (RBSL's).

Petroleum constituents detected above the established RBSL include:

Compound	***RBSL (ug/l)***	***Wells Above RBSL***
Product	>0.01'	MW-1, RW-1, RW-3, RW-4, RW-5 & EP-4
Benzene	5	MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-26, MW-29, DW-1, DW-2, DW-3, DW-4, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Toluene	1,000	MW-2, MW-4, MW-12, MW-13, MW-22, MW-26, MW-29, DW-2, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Ethylbenzene	700	MW-4, MW-12, MW-22, MW-26, MW-29, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Total Xylenes	10,000	MW-4, RW-1, RW-3, RW-4, RW-5, EP-12, EP-16 & EP-20
Naphthalene	25	MW-1, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-26, MW-29, DW-1, DW-2, DW-4, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
MTBE	40	N/A
1,2 DCA	5	MW-24, DW-4 & DW-6
EDB	0.05	MW-12, MW-13, MW-20, MW-22, MW-29, DW-1, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4 & EP-12
TAA	240	MW-20 & DW-1
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-19R, MW-25, SW-1, SW-2 and SW-4; however, the concentrations detected did not exceed the RBSL. The results of the analyses for each monitoring well and specific parameters are listed on Table 1 and provided in Appendix B.

6.0 SUMMARY

- On April 19, 2024, MECI deployed 2"-Inch Durham Geo Slope Indicator SoakEase™ Absorbent Socks into wells MW-26 and EP-16 to passively remove free phase petroleum product. The absorbent sock was changed on May 9, 2024, May 23, 2024, June 26, 2024, July 22, 2024 and August 23, 2024. The absorbent socks were removed on October 7, 2024 due to free phase petroleum product not being detected for two consecutive changeout events. A total of approximately 1.03 gallons of product was recovered during the recovery events. Following the passive recovery events, a groundwater monitoring event was completed on October 16, 2024.

- Based on the results of groundwater monitoring activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The contaminants appear to be gasoline range constituents.

- Impacted groundwater appears to be flowing to the east-northeast toward an unnamed tributary associated with the Cane Creek.

- One stream has been identified within a 1,000' radius of the source area (SW-1, SW-2, SW-3 and SW-4). No production wells have been identified within 1,000' feet of the site.

- Free phase petroleum product was detected in monitoring wells MW-1 (0.05'), RW-1 (0.02'), RW-3 (0.01'), RW-4 (0.02'), RW-5 (0.01') and EP-4 (0.03'). Samples were collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- Samples were collected from thirty-six monitoring wells and four surface water locations. Of the forty sampling locations analyzed, twenty-four monitoring wells (MW-1, MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-26, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 and EP-20) detected petroleum constituents above Risk-Based Screening Levels (RBSL's). Chemicals of concern (CoC's) detected above the RBSL include: Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, 1,2 DCA, EDB and TAA.

- The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-19R, MW-25, SW-1, SW-2 and SW-4; however, the concentrations detected did not exceed the RBSL.

- In order to assess precision, field duplicate samples were collected and analyzed along with the reviewed batch samples. The duplicated samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the Relative Percent Differences (RPD) between each pair of samples. The RPD control limit for the groundwater samples is 20%. Duplicate samples were collected from the parent samples of RW-3, EP-12 and EP-16. The precision for the target analytes were met for these sample pairs and the analytical results detected the same compounds at similar concentrations. Furthermore, field blanks and trip blanks were collected and submitted during the groundwater sampling activities. No detectable concentrations of the requested method constituents were reported in any of the field or trip blanks.

7.0 COMMENTS & RECOMMENDATIONS

- The absorbent sock recovery events performed at the site appear to have been successful in removing product from wells MW-16 and EP-16; however, free phase product was detected in wells MW-1, RW-1, RW-2, RW-4, RW-5 and EP-4 during the October 16, 2024 sampling event.

- In addition to the petroleum product detected in MW-1, RW-1, RW-2, RW-4, RW-5 and EP-4 on October 16, 2024, Toluene results in MW-4, MW-26 and EP-20 were detected at levels above effective solubility which may indicate the potential for residual product remaining in the areas of these monitoring locations as well. Based on these current results, the free phase product plume at the site appears to be larger than originally thought.

- Based on the current analytical data, the contaminant plume does not appear to be defined horizontally or vertically in relation to RBSL's.

- Data gaps currently persist: up-gradient (west) and side-gradient (south) horizontally in the "shallow" aquifer and the horizontal extent of the "intermediate" zone. These data gaps currently persist due to property access issues and drill rig accessibility. It should be noted that monitoring wells installed in association with UST#07304 and UST#11419 may aid in defining the plume upgradient and to the west of the source area of UST# 14324.

- Upon review of current and historical chemicals of concern (CoC) data, our findings indicate that CoC concentrations have: increased in monitoring wells MW-20, MW-22, DW-4, RW-1 and EP-20, decreased in monitoring wells MW-2, MW-5 and MW-24, and the remainder of the sampling locations have generally remained constant.

- MECI recommends a series of surfactant enhanced Aggressive Fluid Vapor Recovery (AFVR) Events be completed to remove free phase petroleum product and reduce elevated CoC concentrations in the source area. Following the proposed AFVR event, a selective groundwater sampling event should be conducted to determine the effectiveness of the AFVR events.

- MECI request the site be modeled to current site conditions and the Site-Specific Target Levels (SSTL's) be relinquished to our office. Based on the modeling, MECI will be able to better comment on further assessment or corrective action needs at the site.

- Lastly, due to the close vicinity of the source area of UST# 14324 and the Tri-City Dry-Cleaning Facility (BLMW#56039), MECI proposes full-list 8260 compounds be analyzed during the next groundwater sampling event to determine if dry-cleaning solvents are present within the well network associated with UST# 14324 and whether the presence of heavier solvents may be associated with the vertical migration of petroleum compounds.

8.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended

for the sole use of the Ms. Betty Latham (Trustee), SCDES, and MECI under mutually agreed upon terms and conditions. If other parties wish to rely on this report, please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

-oOo-

TABLES

TABLE 1
GROUNDWATER COC COCENTRATION DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-1	8/10/13	<100	130	**819**	6610	**393**	<100	NT	**0.33**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<125	159	**1220**	9360	**774**	<125	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<100	139	**847**	7070	**630**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	<5.0	<5.0	60.8	215	**37.5**	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	0.741 J	78.2	227	**49.2**	<0.810	<0.250	<0.00490	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	112	395	**76.9**	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24*	<17.4	<20.1	471	2270	**246**	<31.0	<20.6	<0.0080	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
MW-2	8/10/13	**3770**	**6000**	**369**	2436	**102**	<5	NT	**61.20**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	**4430**	**10200**	**1220**	6990	**542**	<250	NT	**61.10**	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**13200**	**24200**	**1540**	**11400**	**529**	<50.0	<50.0	**201**	5,520	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	5/30/18	**13300**	**27500**	**2350**	**12600**	**809J**	<1,000	<1,000	**261**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/7/20	**12500**	**30500**	**2150**	**11200**	**646J**	<1,250	<1,250	**107**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**2720**	**10000**	**1590**	9090	**611**	<81.0	<25.0	**13.7**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**9090**	**24100**	**2120**	**11900**	**545 J**	<388	<258	**67.5**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	10/16/24	**3140 J**	**8110**	<1840	<5000	<2090	<3100	<2060	<0.0079	<65600	<3040	<53900	<91000	<24100	<3490	<144000	<8460
MW-3	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**259**	**3390**	**1230**	6020	**374**	<25.0	<25.0	<0.020	<500	<50.0	<50.0	<500	<250	<25.0	<1,000	<50.0
	5/30/18	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	8/10/13	**443**	**1530**	163	7980	**1080**	<50	NT	**196**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**21500**	**26100**	**1220**	**10900**	**1050**	<125	**93.9J**	**687**	**4170**	<250	<2,500	<2,500	<1,250	**156**	<5,000	<250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**3410**	**8470**	594J	5420	**507J**	<625	<625	**113**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**11100**	**22600**	**1580**	**10900**	**1030**	<162	<50.0	**69.2**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/25/23	**12900**	**33800**	**2180**	**13400**	**750 J**	<775	<515	**293**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	10/16/24	**16500**	**26900**	**1800**	**12600**	**773 J**	<775	<515	<0.0075	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-5	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	**5.60**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**18100**	**33900**	**1520**	8040	**516**	<125	<125	**122**	**4340**	<250	<2500	<2,500	<1,250	<125	<5,000	<250
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.096**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**3340**	**6990**	609	3110	**174J**	<250	<250	**13.3**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**979**	**1610**	315	1470	**91.8**	<8.10	<2.50	**9.50**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**21.4**	45.3	5.5	27.9	<2.1	<3.1	<2.1	**0.12**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	3360	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-8	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.030	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**6400**	**12000**	**817**	5650	**247**	<25.0	**44.7**	**23.1**	**1550**	<50.0	<500	<500	<250	38.6	<1,000	<50.0
	5/30/18	**7340**	**18900**	**1190**	6770	**404J**	<625	<625	**154**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	4/7/20	**3090**	**9320**	628	3130	**213J**	<250	<250	**14.7**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**3290**	**11400**	**982**	5610	**543**	<81.0	**57.2 J**	**20.1**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**4060**	**14600**	**1360**	6900	**422 J**	<310	<206	**25.7**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	10/16/24	**2980**	**8870**	**945**	5670	**349 J**	<310	<206	**21.7**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846

TABLE 1
GROUNDWATER COC COCENTRATION DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-13	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**2610**	**7620**	**1220**	7420	**629**	<125	<125	**43.2**	<2,500	<250	<2,500	<2,500	<1250	<125	<5,000	<250
	5/30/18	**2280**	**3190**	427	3370	**171**	<100	<100	**38.6**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**1050**	**2770**	260	1700	**146**	<125	<125	**16.7**	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	8/3/22	**3350**	**6840**	**960**	5070	**400**	<40.5	**20.3 J**	**24.9**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/25/23	**2520**	**4690**	404	2560	**205**	<124	<82.4	**29.4**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24	**2400**	**6180**	675	3860	**248**	<124	<82.4	**24.4**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-19	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.025	<100	<10.0	<100	<100	<50.0	<5.0	5910	<10.0
	4/7/20	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-19R	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.040	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.089**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	0.418 J	27.4	5.35	<0.810	0.258 J	**0.151**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	1.8 J	<2.0	<1.8	124	10.9	<3.1	<2.1	**0.11**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	2.3 J	<3.1	<2.1	<0.0086	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	5/30/18	**38.9**	3.2J	6.9	31.7	3.9J	<5.0	<5.0	**0.17**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**316**	15.4	83.3	546	**60.5**	<12.5	<12.5	**1.10**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**416**	44.3	232	1520	**169**	<8.10	<2.50	**1.19**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**33.1**	4.0 J	45.9	417	**75.9**	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	**1600**	476	630	2900	**186**	<38.8	<25.8	**5.5**	**826 J**	<38.0	<674	<1140	<301	<43.6	<1800	<106
MW-21	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-21R	4/7/20	<5.0	2.8J	<5.0	<5.0	2.5J	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	5/30/18	**338**	731	58	399	16.3J	<25.0	<25.0	**3.8**	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	4/7/20	**2550**	**5790**	317	1820	**141J**	<200	<200	**29.0**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**6310**	**18300**	**2060**	**10700**	**420 J**	<81.0	<25.0	**44.8**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**5620**	**14500**	**1270**	7050	**373 J**	<310	<206	**46.1**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	10/16/24	**9510**	**19700**	**1570**	8580	**450 J**	<310	<206	**173**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-23	5/30/18	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00526	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	5/30/18	**14**	17	1.8J	24	<5.0	<5.0	**6.4**	**2.9**	<100	<10.0	<100	<100	<50.0	2.5J	<200	<10.0
	4/7/20	**6730**	**6630**	486	3150	**187J**	<200	**508**	**207**	**3500J**	<400	<4,000	<4,000	<2,000	**165J**	<8,000	<400
	8/3/22	**4760**	**9790**	**1350**	8740	**543**	<40.5	**251**	**156**	<430	<39.0	<350	<345	<345	101 J	<2500	<36.0
	4/25/23	**3940**	**4040**	474	3330	**177 J**	<124	**254**	**134**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24	**610**	898	79.6	737	**38.2**	<15.5	**37.0**	<0.0079	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
MW-25	5/30/18	**4.4J**	9.5	8.7	50.2	<5.0	<5.0	<5.0	<0.019	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	2.5J	<5.0	13.9	70.2	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	**10.7**	72.1	56.5	174	<2.40	<0.810	<0.250	0.0260	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	3.4 J	5.5	20.4	170	<2.1	<3.1	<2.1	<0.0076	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	3.9 J	6.0	62.8	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**7130**	**21100**	**1320**	**10200**	**991**	<625	<625	**109**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/16/24	**13800**	**26600**	**1910**	9920	**537 J**	<775	<515	<0.0077	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120

TABLE 1
GROUNDWATER COC COCENTRATION DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-27	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.0103 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00966 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0082	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	4/7/20	**4290**	**5570**	**907**	5300	**377**	<250	<250	<0.020	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**218**	213	81.4	472	**195 J**	<40.5	<12.5	**14.5**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/24/23	**2380**	**2070**	**737**	4230	**339**	<77.5	<51.5	**23.0**	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
	10/16/24	**2470**	**2790**	**832**	4440	**327**	<62.0	<41.2	**23.9**	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
MW-30	8/3/22	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.0515	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-32	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	1.54	0.0327	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-1	5/30/18	**2240**	**1260**	161	1130	**88.5J**	<100	<100	**10.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**2550**	**1660**	209	1140	**114**	<100	<100	**9.2**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	8/3/22	**2420**	49.8	75.4	627	**27.4**	<0.810	**19.7**	**8.42**	**746**	<0.780	<7.00	<6.90	<6.90	24.9	<50.0	<0.720
	4/24/23	**2780**	608	92.2 J	1010	<41.8	<62.0	<41.2	**6.7**	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
	10/16/24	**1820**	124	22.5 J	568	**35.1 J**	<31.0	<20.6	**6.7**	**678 J**	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-2	4/7/20	**12800**	**10100**	**1050**	6090	**401J**	<500	<500	**79.2**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**8560**	**7790**	**874**	5040	<480	<162	<50.0	**55.9**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/24/23	**7480**	**6360**	685	4420	**172 J**	<155	<103	**73.7**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
	10/16/24	**5870**	**5250**	381	3690	**134 J**	<155	<103	<0.0082	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	4/7/20	**307**	<12.5	<12.5	237	12.0J	<12.5	**6.5J**	**1.6**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**138**	<0.250	<0.200	194	11.2	<0.810	**5.60**	**0.979**	140	<0.780	<7.00	13.0 J	<6.90	6.41 J	<50.0	<0.720
	4/24/23	**312**	<5.0	<4.6	187	15.4	<7.8	**5.9 J**	**1.7**	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
	10/16/24	**251**	<5.0	<4.6	143	11.3 J	<7.8	<5.2	**0.78**	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-4	8/3/22	**1370**	9.13	5.18	517	**76.7**	<0.810	**31.1**	**2.36**	**777**	<0.780	<7.00	<6.90	<6.90	29.9	<50.0	<0.720
	4/24/23	**279**	<5.0	<4.6	79.3	7.0 J	<7.8	**10.7 J**	**1.1**	**242 J**	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
	10/16/24	**1210**	<20.1	<18.4	306	**40.6 J**	<31.0	**24.0 J**	**2.4**	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-5	8/3/22	<0.270	<0.250	<0.200	<0.230	6.74	<0.810	0.284 J	0.0102 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	8/3/22	**1980**	466	<10.0	460	<120	<40.5	**234**	**9.61**	**3050**	<39.0	<350	<345	<345	**151 J**	<2500	<36.0
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**13.0**	**0.29**	<65.6	<3.0	<53.9	<91.0	<24.1	8.9	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**12.6**	**0.068**	<65.6	<3.0	<53.9	<91.0	<24.1	9.4	<144	<8.5
DDW-1 (83.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00513	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

TABLE 1
GROUNDWATER COC COCENTRATION DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
DDW-1 (119.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00499	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0072	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-2	8/3/22	2.74	<0.250	<0.200	0.978 J	<2.40	<0.810	0.501 J	<0.00506	9.71 J	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00626 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	8/3/22	**33.7**	<0.250	<0.200	<0.230	<2.40	<0.810	**12.4**	**0.256**	235	<0.780	<7.00	41.0 J	<6.90	9.29 J	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**10200**	**33900**	**2830**	**16300**	**887J**	<1,000	<1,000	**125**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**7200**	**23300**	**2360**	**17600**	**855 J**	<620	<412	**179**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24*	**20600**	**37500**	**2530**	**15800**	**779 J**	<620	<412	**507**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	5/30/18	<100	861	**936**	5,700	**263**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	<10.0	34	121	563	**52.5**	<10.0	<10.0	<0.020	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	8/3/22	<2.70	45.1	195	947	**88.5**	<8.10	<2.50	<0.00507	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	<3.5	58.3	231	696	**106**	<6.2	<4.1	<0.0074	138 J	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
	10/16/24*	<8.7	182	**718**	2190	**412**	<15.5	<10.3	**0.13**	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
RW-3	5/30/18	**1020**	**4120**	**2550**	**14900**	**686**	<250	<250	**0.66**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	4/7/20	**449**	**2090**	**2980**	**13100**	**471**	<200	<200	**0.81**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**149 J**	**1380**	**3350**	**13800**	**708**	<124	<82.4	<0.0075	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24*	**217**	**1560**	**2840**	**12300**	**595**	<124	<82.4	**0.27**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4	5/30/18	**30600**	**38600**	**2700**	**14000**	**956J**	<1,250	**562J**	**1850**	<25,000	<2,500	<25,000	<25,000	<12,500	**694J**	<50,000	<2,500
	4/7/20	**15400**	**29000**	**2060**	**13200**	**764J**	<1,000	<1,000	**40.7**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**22000**	**35600**	**2340**	**15300**	**520 J**	<620	<412	**832**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24*	**28900**	**33500**	**2250**	**13900**	**673 J**	<620	<412	**1370**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5	5/30/18	**28800**	**36600**	**2430**	**12400**	**614J**	<1,250	<1,250	**612**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	4/7/20	**16600**	**27400**	**1740**	**10800**	**702J**	<1,250	<1,250	**230**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**20100**	**38700**	**2130**	**13300**	**913 J**	<775	<515	**384**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	10/16/24*	**23400**	**35500**	**2390**	**12900**	**796 J**	<775	<515	<0.0081	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**155**	**4830**	**1730**	9990	**897**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**21.2J**	633	606	3250	**270**	<50.0	<50.0	<0.020	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	8/3/22	**85.8 J**	**1750**	**1010**	5380	**365 J**	<81.0	<25.0	0.0165 J	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**24.0 J**	**1210**	**828**	5430	**308**	<31.0	<20.6	0.040	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
	10/16/24*	**264**	**3590**	**1550**	8900	**722**	<77.5	<51.5	<0.0080	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
EP-12	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**8600**	**16600**	**1060**	**12600**	**1380**	<625	<625	**298**	<12,500	<1,250	<12,500	<12,500	<6250	<625	<25,000	<1,250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**2890**	**6410**	428	6910	**599**	<250	<250	**40.8**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**6650**	**28300**	**9880**	**123000**	**33100**	<1620	<500	**103**	<17200	<1560	<14000	<13800	<13800	<1400	<100000	<1440
	4/25/23	**4420**	**15100**	**1300**	**11400**	**1020**	<388	<258	**62.0**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	10/16/24	**8280**	**16600**	**1140**	**11200**	**753**	<388	<258	**224**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060

TABLE 1
GROUNDWATER COC COCENTRATION DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
EP-16	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**4540**	**9720**	**1140**	**16400**	**31800**	<500	<500	**876**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	5/30/18	**7010**	**13200**	**1050**	**13500**	**1260**	<500	<500	**457**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	4/7/20	**1900**	**5170**	375	7160	**609**	<250	<250	**91.9**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/16/24	**9600**	**17600**	**1100**	**13100**	**1050**	<388	<258	<0.0079	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-20	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**7730**	**16100**	550	**13000**	**1610**	<250	**156J**	**604**	<5,000	<500	<5,000	<5,000	<2,500	99.1J	<10,000	<500
	5/30/18	**7810**	**9720**	290J	**15600**	**1290**	<500	<500	**704**	<10,000	<1,000	<1,000	<10,000	<5,000	**173J**	<20,000	<1,000
	4/7/20	**6050**	**12500**	691	**12500**	**817**	<500	<500	**182**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**14700**	**30700**	**1780**	**17500**	**1240 J**	<203	<62.5	**412**	<2150	<195	<1750	<1730	<1730	<175	<12500	<180
	4/25/23	**8350**	**18200**	**907 J**	**12900**	**983 J**	<620	<412	**296**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24	**14500**	**30500**	**2050**	**22400**	**2250**	<620	<412	<0.0078	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	4/7/20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0077	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	8/3/22	0.546 J	<0.250	<0.200	<0.230	<2.40	<0.810	0.303 J	<0.0503	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.3	<0.32	<0.0082	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00500	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0073	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0083	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-4	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	**0.0503**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0074	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0082	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP (EP-16)	3/12/15	**5150**	**10800**	**1300**	**17400**	**1960**	<500	<500	**876**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1 (MW-13)	5/30/18	**3010**	**3370**	570	3960	**528**	<100	<100	**58.1**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-1 (MW-13)	4/7/20	**1250**	**3060**	297	1890	**147**	<100	<100	**15.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-2 (MW-2)	4/7/20	**12800**	**30800**	**2160**	**11200**	**595J**	<1,000	<1,000	**102**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-1 (MW-12)	8/3/22	**3180**	**12000**	**1070**	5800	**436 J**	<81.0	**55.7 J**	**19.2**	<860	<78.0	<700	<690	<690	72.2 J	<5000	<72.0
DUP-2 (RW-2)	8/3/22	<2.70	102	288	1520	**110**	<8.10	<2.50	0.0298	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
DUP-1 (EP-20)	4/25/23	**11100**	**24400**	**1150**	**17000**	**1210**	<620	<412	**381**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (EP-12)	4/25/23	**4400**	**15400**	**1310**	**11800**	**1070**	<388	<258	**76.3**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
DUP-3 (RW-1)	4/25/23	**11400**	**35900**	**2790**	**18900**	**954 J**	<620	<412	**206**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-1 (EP-12)	10/16/24	**11300**	**22300**	**1370**	**13900**	**1260**	<620	<412	**178**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (RW-3)	10/16/24	**293**	**1580**	**2360**	9980	**700**	<124	<82.4	**0.31**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
DUP-3 (EP-16)	10/16/24	**7470**	**13300**	**1050**	**11600**	**1250**	<388	<258	<0.0078	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
Field Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.28**	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.022	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00591 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	0.030	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<200	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

Notes:

1. BDL = Below Practical Quantitative Limits
2. ug/l = micrograms per liter
3. mg/l = milligrams per liter
4. MTBE = Methyl-Tertiary-Butyl Ether
5. See Appendix for Laboratory Detection Limits
6. NL = Not Located
7. DRY = Well was Dry at the time of Sampling
8. NT = Not Tested.
9. EDB = Ethylene Dibromide
10. 1,2 DCA = 1,2-Dichloroethane
11. FPP = Free Phase Petroleum Product Gauged
12. * = Sample collected beneath Product
13. "J" Values used in Total BTEX Calculations
14. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
15. B = Detected in Method Blank
16. S = MS/MSD Failure
17. P = The RPD between the two columns exceeds 40%.
18. DIPE = Diisopropyl Ether
19. ETBE = Ethyl ter-butyl Ether
20. TAA = tert-Amyl Alcohol
21. TAME = tert-Amyl Methyl Ether
22. TBA = ter-Butyl Alcohol
23. TBF = tert-Butyl Formate
24. ETBA = 3,3-Dimethyl-1-Butanol
25. ABD. = Well Has been Abandoned
26. **Bold data above the RBSL (Risk-Based Screening Level)**

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-1	8/10/2013	25-40	---	26.50	---	936.88	910.38
	11/6/2013		---	26.77	---		910.11
	3/12/2015		---	27.31	---		909.57
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	23.49	---		913.39
	8/3/2022		---	27.85	---		909.03
	4/25/2023		---	25.95	---		910.93
	10/16/2024*		29.23	29.28	0.05		907.64
MW-2	8/10/2013	30-40	---	29.00	---	937.19	908.19
	11/6/2013		---	28.20	---		908.99
	3/12/2015		---	29.46	---		907.73
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.01	---		906.18
	4/7/2020		---	26.22	---		910.97
	8/3/2022		---	29.19	---		908.00
	4/25/2023		---	30.07	---		907.12
	10/16/2024		---	31.22	---		905.97
MW-3	8/10/2013	30-40	---	27.80	---	ABANDONED	N/A
	11/6/2013		---	27.12	---		N/A
	3/12/2015		---	28.07	---		N/A
	6/24/2015		---	NM	---		NM
	5/30/2018		---	ABANDONED	---		ABANDONED
MW-4	8/10/2013	30-40	---	28.34	---	937.64	909.30
	11/6/2013		---	NS	---		NS
	3/12/2015		---	28.81	---		908.83
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.96	---		912.68
	8/3/2022		---	28.57	---		909.07
	4/25/2023		---	30.11	---		907.53
	10/16/2024		---	30.32	---		907.32
MW-5	8/10/2013	60-65	---	27.26	---	936.64	909.38
	11/6/2013		---	26.78	---		909.86
	3/12/2015		---	27.89	---		908.75
	6/24/2015		---	NM	---		NM
	5/30/2018		---	29.29	---		907.35
	4/7/2020		---	24.10	---		912.54
	8/3/2022		---	28.45	---		908.19
	4/25/2023		---	26.25	---		910.39
	10/16/2024		---	29.29	---		907.35
MW-8	8/10/2013	N/A	---	37.08	---	ABANDONED	N/A
	11/6/2013		---	36.44	---		N/A
	3/12/2015		---	ABANDONED	---		ABANDONED
MW-12	8/10/2013	60-65	---	32.22	---	937.69	905.47
	11/6/2013		---	31.10	---		906.59
	3/12/2015		---	32.55	---		905.14
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.75	---		902.94
	4/7/2020		---	29.03	---		908.66
	8/3/2022		---	32.15	---		905.54
	4/25/2023		---	31.05	---		906.64
	10/16/2024		---	33.32	---		904.37

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-13	8/10/2013	36-46	---	32.03	---	937.99	905.96
	11/6/2013		---	31.45	---		906.54
	3/12/2015		---	34.15	---		903.84
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.41	---		903.58
	4/7/2020		---	29.55	---		908.44
	8/3/2022		---	32.51	---		905.48
	4/25/2023		---	36.11	---		901.88
	10/16/2024		---	34.21	---		903.78
MW-19	8/10/2013	35-45	---	33.20	---	ABANDONED	N/A
	11/6/2013		---	31.73	---		N/A
	3/12/2015		---	OBSTRUCTION	---		OBSTRUCTION
	6/24/2015		---	ABANDONED	---		ABANDONED
MW-19R	6/24/2015	30-40	---	34.08	---	937.63	903.55
	5/30/2018		---	34.80	---		902.83
	4/7/2020		---	29.78	---		907.85
	8/3/2022		---	32.73	---		904.90
	4/24/2023		---	31.50	---		906.13
	10/16/2024		---	35.50	---		902.13
MW-20	6/24/2015	30-40	---	33.92	---	936.87	902.95
	5/30/2018		---	32.30	---		904.57
	4/7/2020		---	27.30	---		909.57
	8/3/2022		---	30.20	---		906.67
	4/25/2023		---	31.07	---		905.80
	10/16/2024		---	33.32	---		903.55
MW-21	6/24/2015	30-40	---	30.96	---	NL	N/A
	5/30/2018		---	NL	---		NL
MW-21R	4/7/2020	22-32	---	28.52	---	934.95	906.43
	8/3/2022		---	28.21	---		906.74
	4/25/2023		---	26.32	---		908.63
	10/16/2024		---	30.00	---		904.95
MW-22	6/24/2015	30-40	---	33.10	---	937.61	904.51
	5/30/2018		---	31.43	---		906.18
	4/7/2020		---	26.22	---		911.39
	8/3/2022		---	29.82	---		907.79
	4/25/2023		---	30.19	---		907.42
	10/16/2024		---	32.22	---		905.39
MW-23	6/24/2015	30-40	---	35.71	---	943.11	907.40
	5/30/2018		---	DRY	---		DRY
	4/7/2020		---	36.39	---		906.72
	8/3/2022		---	39.05	---		904.06
	4/24/2023		---	37.75	---		905.36
	10/16/2024		---	DRY	---		DRY
MW-24	6/24/2015	30-40	---	33.30	---	938.76	905.46
	5/30/2018		---	31.90	---		906.86
	4/7/2020		---	26.62	---		912.14
	8/3/2022		---	29.97	---		908.79
	4/25/2023		---	30.60	---		908.16
	10/16/2024		---	34.42	---		904.34
MW-25	6/24/2015	30-40	---	31.57	---	938.88	907.31
	5/30/2018		---	26.48	---		912.40
	4/7/2020		---	21.32	---		917.56
	8/3/2022		---	25.13	---		913.75
	4/25/2023		---	30.43	---		908.45
	10/16/2024		---	26.63	---		912.25
MW-26	6/24/2015	30-40	---	32.86	---	937.04	904.18
	5/30/2018*		29.42	29.52	0.10		907.61
	4/7/2020		---	24.16	---		912.88
	8/3/2022*		27.40	27.75	0.35		909.59
	4/25/2023*		25.95	29.96	4.01		910.49
	10/16/2024		---	30.16	---		906.88
MW-27	4/7/2020	30-40	---	29.66	---	938.17	908.51
	8/3/2022		---	32.66	---		905.51
	4/24/2023		---	30.18	---		907.99
	10/16/2024		---	34.55	---		903.62

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-28	4/7/2020	32-42	---	33.43	---	940.86	907.43
	8/3/2022		---	36.51	---		904.35
	4/24/2023		---	34.89	---		905.97
	10/16/2024		---	34.85	---		906.01
MW-29	4/7/2020	35-45	---	36.14	---	943.12	906.98
	8/3/2022		---	38.83	---		904.29
	4/24/2023		---	37.54	---		905.58
	10/16/2024		---	40.29	---		902.83
MW-30	8/3/2022	39-49	---	DRY	---	ABANDONED	ABANDONED
	4/25/2023		---	ABANDONED	---		ABANDONED
MW-31	8/3/2022	30-40	---	39.42	---	935.75	896.33
	4/24/2023		---	37.84	---		897.91
	10/16/2024		---	DRY	---		DRY
MW-32	8/3/2022	30-40	---	34.55	---	937.28	902.73
	4/24/2023		---	34.14	---		903.14
	10/16/2024		---	36.30	---		900.98
DW-1	6/24/2015	60-65	---	32.67	---	937.18	904.51
	5/30/2018		---	34.19	---		902.99
	4/7/2020		---	29.29	---		907.89
	8/3/2022		---	32.28	---		904.90
	4/24/2023		---	30.08	---		907.10
	10/16/2024		---	35.83	---		901.35
DW-2	4/7/2020	60-65	---	35.85	---	942.93	907.08
	8/3/2022		---	38.63	---		904.30
	4/24/2023		---	37.80	---		905.13
	10/16/2024		---	39.99	---		902.94
DW-3	4/7/2020	60-65	---	36.15	---	942.98	906.83
	8/3/2022		---	38.99	---		903.99
	4/24/2023		---	37.50	---		905.48
	10/16/2024		---	40.26	---		902.72
DW-4	8/3/2022	58-63	---	40.42	---	935.93	895.51
	4/24/2023		---	39.35	---		896.58
	10/16/2024		---	40.59	---		895.34
DW-5	8/3/2022	59-64	---	40.38	---	943.99	903.61
	4/25/2023		---	39.13	---		904.86
	10/16/2024		---	42.74	---		901.25
DW-6	8/3/2022	60-65	---	34.58	---	937.49	902.91
	4/24/2023		---	33.18	---		904.31
	10/16/2024		---	35.68	---		901.81
DDW-1	8/3/2022	80-120	---	57.70	---	962.25	904.55
	4/25/2023		---	60.10	---		902.15
	10/16/2024		---	63.42	---		898.83
DDW-2	8/3/2022	85-90	---	58.46	---	935.41	876.95
	4/25/2023		---	37.57	---		897.84
	10/16/2024		---	38.88	---		896.53
DDW-3	8/3/2022	85-90	---	40.02	---	943.86	903.84
	4/25/2023		---	39.10	---		904.76
	10/16/2024		---	41.36	---		902.50
DDW-4	8/3/2022	80-85	---	34.23	---	937.35	903.12
	4/25/2023		---	32.83	---		904.52
	10/16/2024		---	35.27	---		902.08
RW-1	6/24/2015	20-40	---	31.94	---	937.24	905.30
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.28	---		912.96
	8/3/2022*		27.93	27.95	0.02		909.31
	4/25/2023		---	27.11	---		910.13
	10/16/2024*		29.88	29.90	0.02		907.36
RW-2	6/24/2015	20-40	---	32.06	---	937.36	905.30
	5/30/2018		---	29.45	---		907.91
	4/7/2020		---	24.21	---		913.15
	8/3/2022		---	28.37	---		908.99
	4/25/2023		---	26.26	---		911.10
	10/16/2024		---	29.28	---		908.08

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
RW-3	6/24/2015	20-40	---	31.86	---	937.48	905.62
	5/30/2018		---	29.39	---		908.09
	4/7/2020		---	24.20	---		913.28
	8/3/2022*		28.51	28.52	0.01		908.97
	4/25/2023		---	26.87	---		910.61
	10/16/2024*		29.93	29.94	0.01		907.55
RW-4	6/24/2015	20-40	---	31.62	---	937.88	906.26
	5/30/2018		---	30.60	---		907.28
	4/7/2020		---	25.10	---		912.78
	8/3/2022*		28.30	28.31	0.01		909.58
	4/25/2023		---	27.29	---		910.59
	10/16/2024*		30.44	30.46	0.02		907.44
RW-5	6/24/2015	20-40	---	31.43	---	938.26	906.83
	5/30/2018		---	30.90	---		907.36
	4/7/2020		---	25.58	---		912.68
	8/3/2022*		28.99	29.00	0.01		909.27
	4/25/2023		---	27.69	---		910.57
	10/16/2024*		32.75	32.76	0.01		905.51
EP-4	8/10/2013	20-35	---	NM	---	936.91	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	27.70	---		909.21
	6/24/2015		---	NM	---		NM
	5/30/2018*		29.13	29.24	0.11		907.76
	4/7/2020		---	23.85	---		913.06
	8/3/2022		---	27.83	---		909.08
	4/25/2023		---	26.15	---		910.76
	10/16/2024*		29.54	29.57	0.03		907.37
EP-12	8/10/2013	20-35	---	NM	---	937.40	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.73	---		907.67
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.91	---		912.49
	8/3/2022		---	29.38	---		908.02
	4/25/2023		---	27.11	---		910.29
	10/16/2024		---	30.33	---		907.07
EP-16	8/10/2013	TD: 34.35	---	NM	---	937.88	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	28.99	---		908.89
	6/24/2015		---	NM	---		NM
	5/30/2018		---	30.53	---		907.35
	4/7/2020		---	24.96	---		912.92
	8/3/2022*		28.49	28.50	0.01		909.39
	4/25/2023*		27.54	27.56	0.02		910.34
	10/16/2024		---	30.48	---		907.40
EP-20	8/10/2013	13-35	---	NM	---	938.07	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.58	---		908.49
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.02	---		907.05
	4/7/2020		---	25.66	---		912.41
	8/3/2022		---	29.13	---		908.94
	4/25/2023		---	27.81	---		910.26
	10/16/2024		---	32.32	---		905.75

Notes:

1. Groundwater depths were measured from the top of the PVC riser pipe.
2. Site datum based on assumed spot elevation.
3. NM = Not Measured
4. TD = Total Depth
5. DESTROYED = Well has been destroyed
6. ABANDONED = Well has been Abandoned
7. OBSTRUCTION = Well Obstructed
8. DRY = Well Gauged DRY
9. * = Groundwater Elevation corrected for the presence of free product using specific gravity of 0.85.

TABLE 3
ABSORBENT SOCK RECOVERY DATA
UST UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID	14324-MW26
Well Diameter (inches)	2"
Screened Interval (feet)	30.00-40.00
Top of Casing (TOC)	937.04
Total Depth (feet)	40

Additional Notes:

Date	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Groundwater Elevation (ft.)	Color/Staining (Y/N)?	Sock Replaced (Y/N)?	Weight of New Sock (lbs)	Weight of Used Sock (lbs)	Estimated Volume of Product Recovered (gal)
4/19/2024	27.20	27.70	0.50	909.34	Initial	Initial	0.48	Initial	Initial
5/9/2024	***	27.74	Not Applicable	909.30	Y	Y	0.48	1.54	0.177
5/23/2024	Globules	27.76	Not Applicable	909.28	Y	Y	0.48	1.05	0.095
6/26/2024	Globules	27.71	Not Applicable	909.33	Y	Y	0.48	1.06	0.097
7/22/2024	Not Detected	28.16	Not Applicable	908.88	Y	Y	0.48	1.14	0.110
8/23/2024	Not Detected	28.85	Not Applicable	908.19	Y	Y	0.48	0.94	0.077
10/7/2024	Not Detected	29.60	Not Applicable	907.44	Y	N	0.48	0.97	0.082
Estimated Total Product Recovered									**0.555**

Notes:

1. SoakEase™ Absorbent Socks were used for Product recovery.
2. ft. = feet
3. lbs = pounds
4. gal = gallons
5. Calculation of product recovered:

$$\frac{\text{(Weight of Used Sock-Weight of New Sock)}}{\text{Density of Gasoline}}$$

6. Denisty of Gasoline is approximately 6 lbs/gal

TABLE 3A
ABSORBENT SOCK RECOVERY DATA
UST UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well ID	14324-EP16
Well Diameter (inches)	2"
Screened Interval (feet)	TD: 34.35'
Top of Casing (TOC)	937.88
Total Depth (feet)	34.35

Additional Notes:

Date	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Groundwater Elevation (ft.)	Color/Staining (Y/N)?	Sock Replaced (Y/N)?	Weight of New Sock (lbs)	Weight of Used Sock (lbs)	Estimated Volume of Product Recovered (gal)
4/19/2024	28.15	28.18	0.03	909.70	Initial	Initial	0.48	Initial	Initial
5/9/2024	Not Detected	28.35	Not Applicable	909.53	Y	Y	0.48	1.24	0.127
5/23/2024	Not Detected	28.22	Not Applicable	909.66	Y	Y	0.48	1.01	0.088
6/26/2024	Not Detected	28.26	Not Applicable	909.62	Y	Y	0.48	1.06	0.097
7/22/2024	Not Detected	28.84	Not Applicable	909.04	Y	Y	0.48	0.97	0.082
8/23/2024	Not Detected	29.53	Not Applicable	908.35	Y	Y	0.48	1.00	0.087
10/7/2024	Not Detected	31.11	Not Applicable	906.77	Y	N	0.48	1.05	0.095
Estimated Total Product Recovered									**0.480**

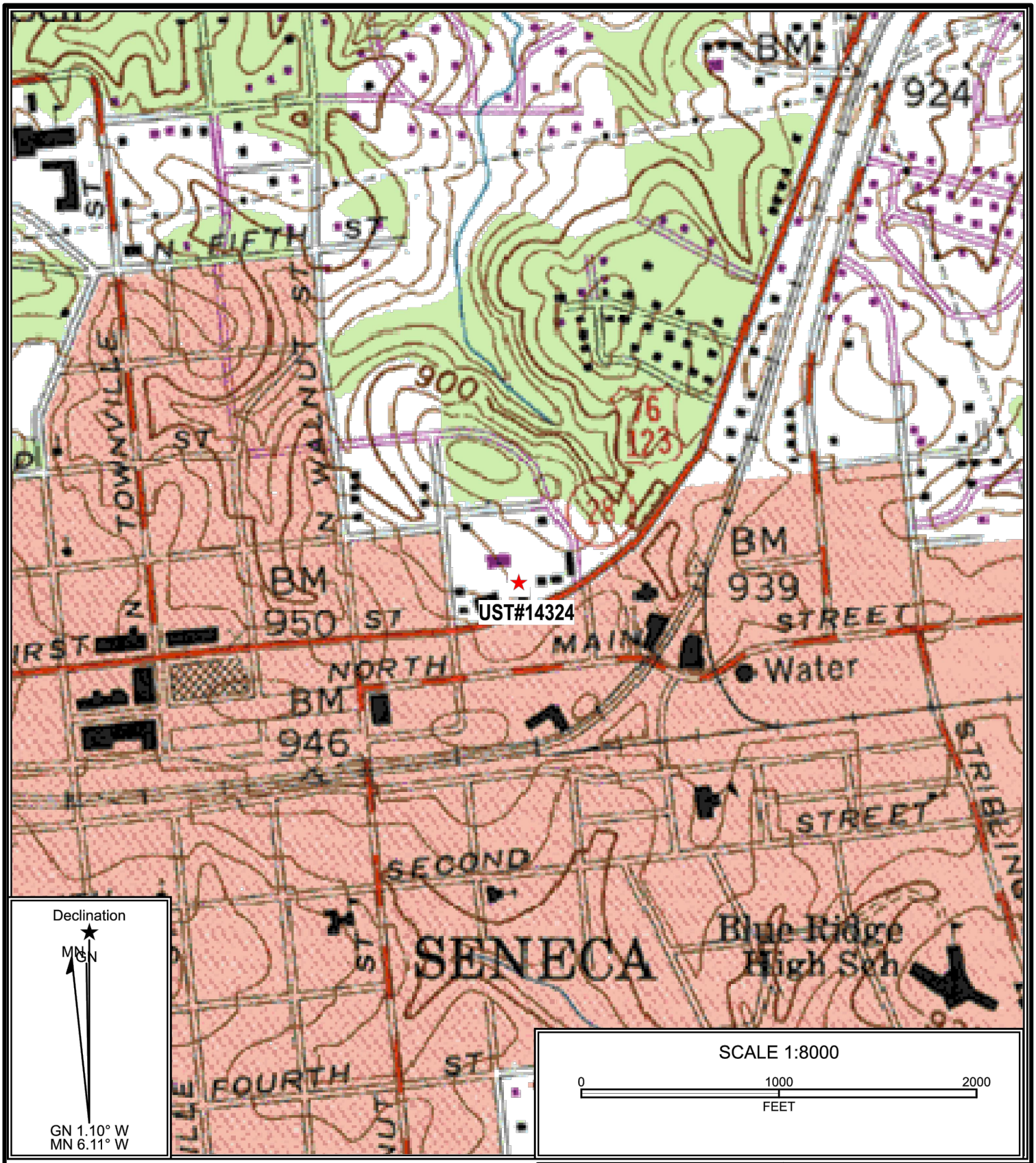
Notes:

1. SoakEase™ Absorbent Socks were used for Product recovery.
2. ft. = feet
3. lbs = pounds
4. gal = gallons
5. Calculation of product recovered:

$$\frac{\text{(Weight of Used Sock-Weight of New Sock)}}{\text{Density of Gasoline}}$$

6. Denisty of Gasoline is approximately 6 lbs/gal

FIGURES



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

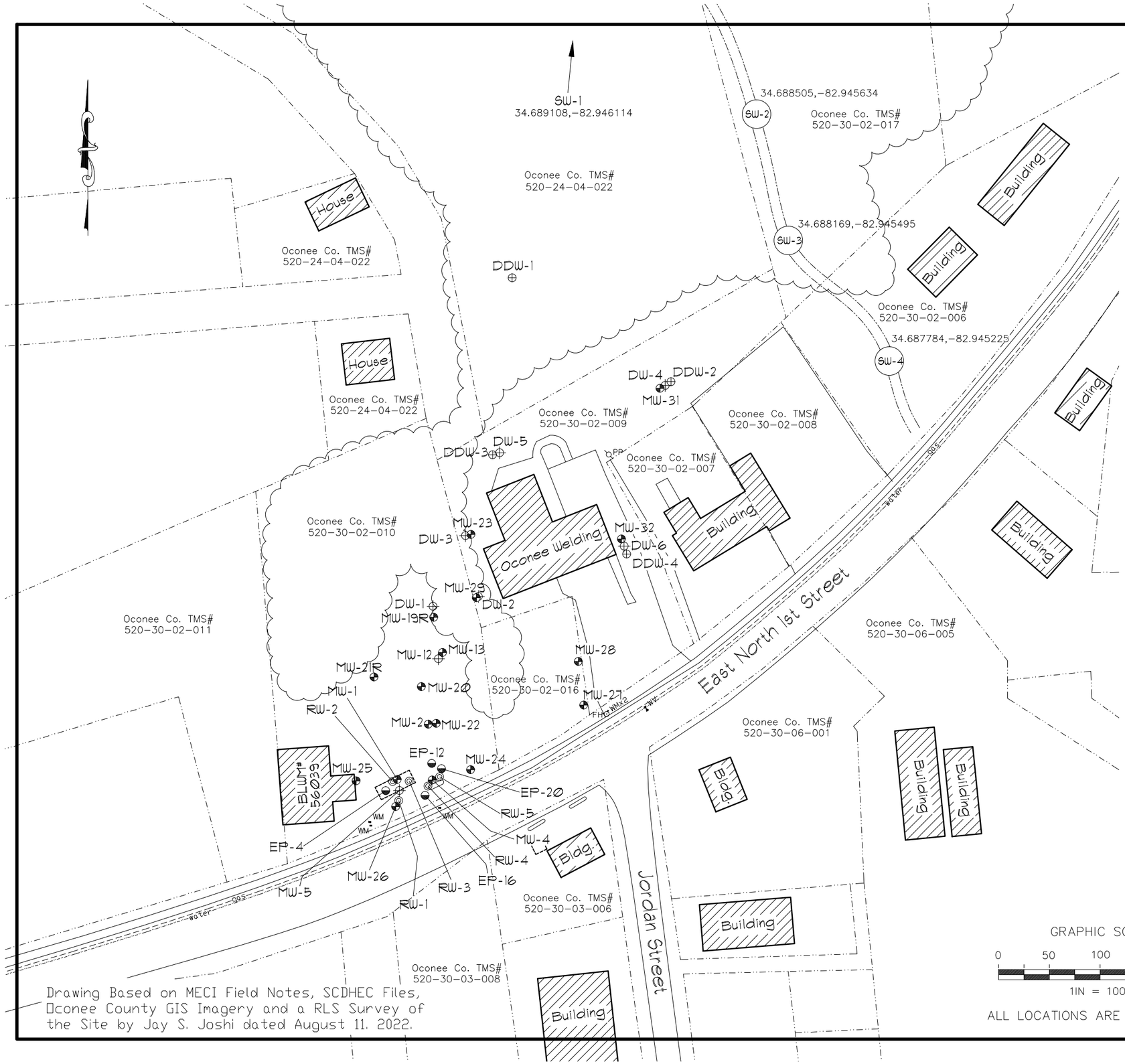
Midlands Environmental Consultants, Inc.

Site Location

UST-Unknown #14324
519 East North 1st Street, Seneca, SC
UST Permit# 14324

Figure 1

MECI# 24-8321



Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-inch Extraction Point
- Location of 4-inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- Buried Gas Line
- Buried Water Line

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

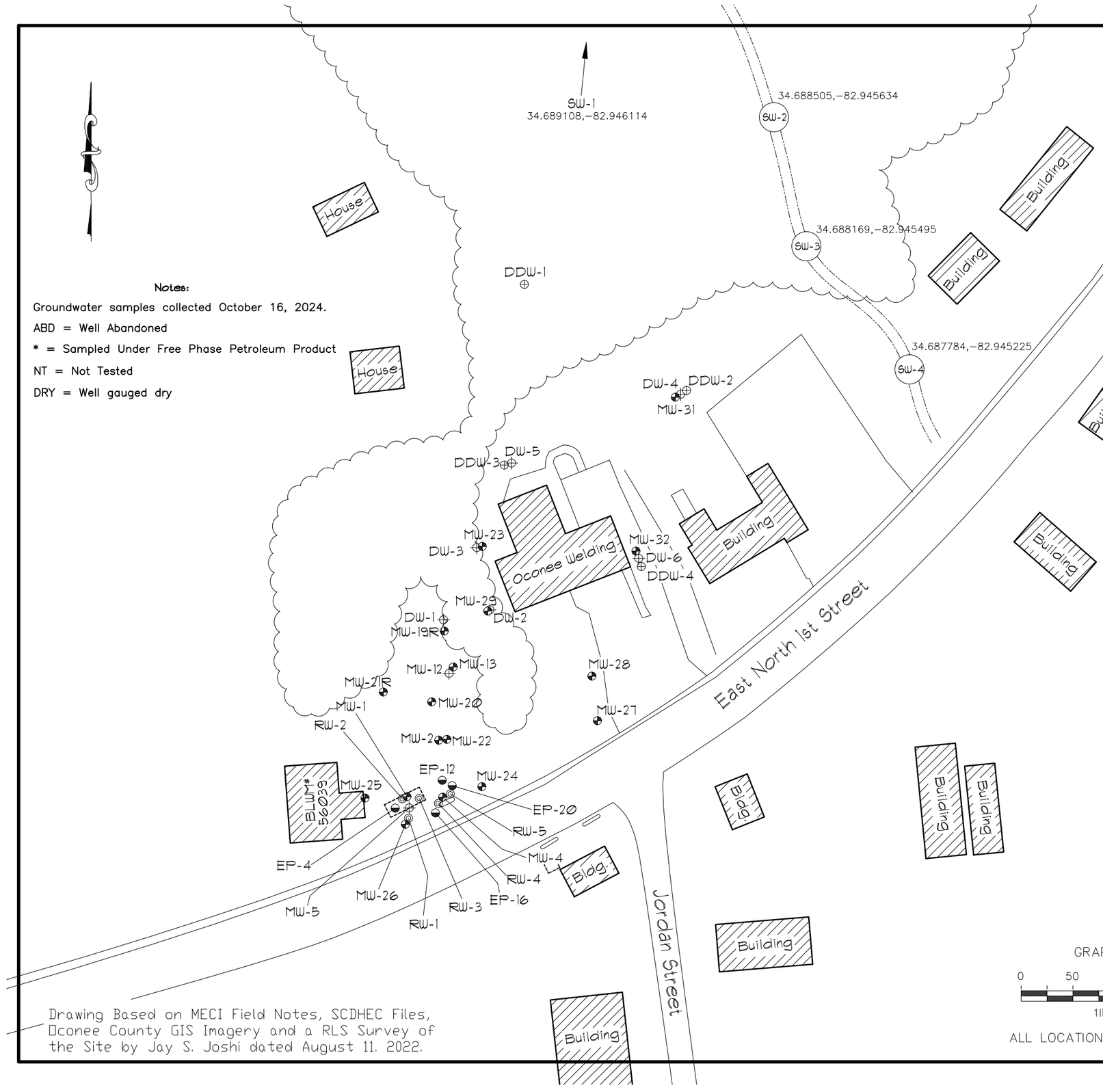
ALL LOCATIONS ARE APPROXIMATE

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321
DATE November 6, 2024
FIGURE 2



Notes:

Groundwater samples collected October 16, 2024.

ABD = Well Abandoned

* = Sampled Under Free Phase Petroleum Product

NT = Not Tested

DRY = Well gauged dry

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA

Well ID#	Benzene (µg/l) RBSL 5	Toluene (µg/l) RBSL 1,000	Ethylbenzene (µg/l) RBSL 700	Total Xylenes (µg/l) RBSL 10,000	Naphthalene (µg/l) RBSL 25	MTBE (µg/l) RBSL 40	1,2 DCA (µg/l) RBSL 5	EDB (µg/l) RBSL 0.05
MW-1*	<17.4	<20.1	471	2270	**246**	<31.0	<20.6	<0.0080
MW-2	**3140 J**	**8110**	<1840	<5000	<2090	<3100	<2060	<0.0079
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	**16500**	**26900**	**1800**	**12600**	**773 J**	<775	<515	<0.0075
MW-5	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	**2980**	**8870**	**945**	5670	**349 J**	<310	<206	**21.7**
MW-13	**2400**	**6180**	675	3860	**248**	<124	<82.4	**24.4**
MW-19R	<1.7	<2.0	<1.8	<5.0	2.3 J	<3.1	<2.1	<0.0086
MW-20	**1600**	476	630	2900	**186**	<38.8	<25.8	**5.5**
MW-21R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073
MW-22	**9510**	**19700**	**1570**	8580	**450 J**	<310	<206	**173**
MW-23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	**610**	898	79.6	737	**38.2**	<15.5	**37.0**	<0.0079
MW-25	<1.7	3.9 J	6.0	62.8	<2.1	<3.1	<2.1	<0.0080
MW-26	**13800**	**26600**	**1910**	9920	**537 J**	<775	<515	<0.0077
MW-27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
MW-28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0082
MW-29	**2470**	**2790**	**832**	4440	**327**	<62.0	<41.2	**23.9**
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-32	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
DW-1	**1820**	124	22.5 J	568	**35.1 J**	<31.0	<20.6	**6.7**
DW-2	**5870**	**5250**	381	3690	**134 J**	<155	<103	<0.0082
DW-3	**251**	<5.0	<4.6	143	11.3 J	<7.8	<5.2	**0.78**
DW-4	**1210**	<20.1	<18.4	306	**40.6 J**	<31.0	**24.0 J**	**2.4**
DW-5	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078
DW-6	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**12.6**	**0.068**
DDW-1 (83.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
DDW-1 (92.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
DDW-1 (102.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
DDW-1 (112.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083
DDW-1 (119.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-2	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-3	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-4	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083
RW-1*	**20600**	**37500**	**2530**	**15800**	**779 J**	<620	<412	**507**
RW-2	<8.7	182	**718**	2190	**412**	<15.5	<10.3	**0.13**
RW-3*	**217**	**1560**	**2840**	**12300**	**595**	<124	<82.4	**0.27**
RW-4*	**28900**	**33500**	**2250**	**13900**	**673 J**	<620	<412	**1370**
RW-5*	**23400**	**35500**	**2390**	**12900**	**796 J**	<775	<515	<0.0081
EP-4*	**264**	**3590**	**1550**	8900	**722**	<77.5	<51.5	<0.0080
EP-12	**8280**	**16600**	**1140**	**11200**	**753**	<388	<258	**224**
EP-16	**9600**	**17600**	**1100**	**13100**	**1050**	<388	<258	<0.0079
EP-20	**14500**	**30500**	**2050**	**22400**	**2250**	<620	<412	<0.0078
SW-1	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0077
SW-2	<0.34	<0.48	<0.30	<0.34	<0.64	1.3	<0.32	<0.0082
SW-3	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0083
SW-4	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0082
DUP-1 (EP-12)	**11300**	**22300**	**1370**	**13900**	**1260**	<620	<412	**178**
DUP-2 (RW-3)	**293**	**1580**	**2360**	9980	**700**	<124	<82.4	**0.31**
DUP-3 (EP-16)	**7470**	**13300**	**1050**	**11600**	**1250**	<388	<258	<0.0078
Field Blank	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073
Trip Blank	<1.7 <1.7	<2.0 <2.0	<1.8 <1.8	<5.0 <5.0	<2.1 <2.1	<3.1 <3.1	<2.1 <2.1	NT NT

Groundwater CoC Site Map

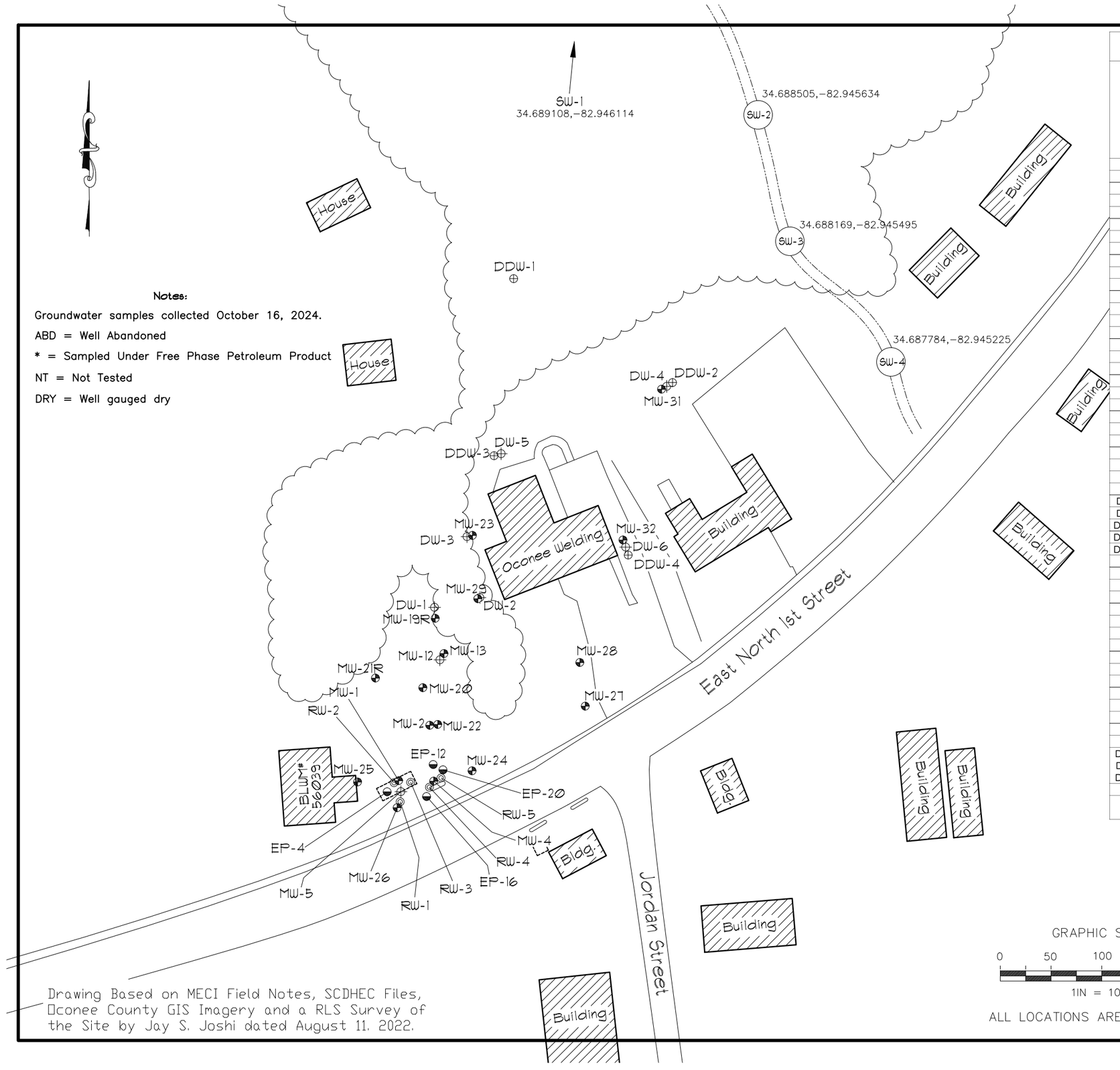
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 3



Notes:

Groundwater samples collected October 16, 2024.

ABD = Well Abandoned

* = Sampled Under Free Phase Petroleum Product

NT = Not Tested

DRY = Well gauged dry

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)

Well ID#	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
	RBSL 240	***RBSL 128***	***RBSL NE***	***RBSL 1,400***	***RBSL NE***	***RBSL 150***	***RBSL 10,000***	***RBSL 47***
MW-1*	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
MW-2	<65600	<3040	<53900	<91000	<24100	<3490	<144000	<8460
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-13	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-19R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	**826 J**	<38.0	<674	<1140	<301	<43.6	<1800	<106
MW-21R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
MW-25	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-27	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-32	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-1	**678 J**	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-2	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-4	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	<65.6	<3.0	<53.9	<91.0	<24.1	9.4	<144	<8.5
DDW-1 (83.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (119.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-2	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1*	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
RW-3*	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4*	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5*	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4*	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
EP-12	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-16	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-20	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-4	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP-1 (EP-12)	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (RW-3)	<2620	<122	<2160	<3640	<964	<140	<5760	<338
DUP-3 (EP-16)	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
Field Blank	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

Groundwater CoC Site Map
(Oxygenates)

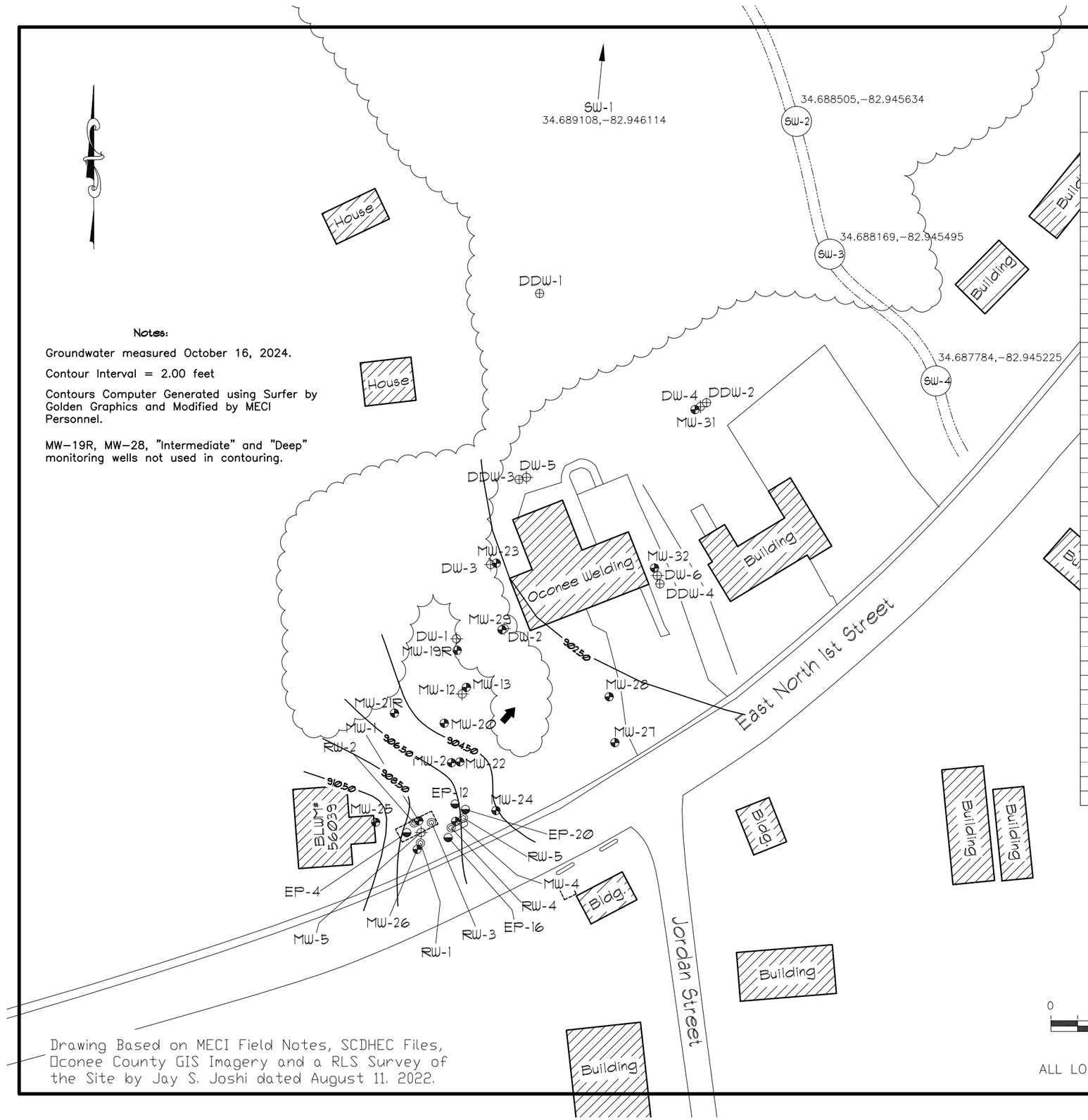
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 3A



Groundwater Elevation Contour (feet)

Notes:

Groundwater measured October 16, 2024.

Contour Interval = 2.00 feet

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

MW-19R, MW-28, "Intermediate" and "Deep" monitoring wells not used in contouring.

POTENTIOMETRIC DATA

Well Number	Screened Interval	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Well-head Elevation	Groundwater Elevation
MW-1	25-40	29.23	29.28	0.05	936.88	907.64
MW-2	30-40	---	31.22	---	937.19	905.97
MW-3	30-40	---	ABANDONED	---	ABANDONED	ABANDONED
MW-4	30-40	---	30.32	---	937.64	907.32
MW-5	60-65	---	29.29	---	936.64	907.35
MW-8	N/A	---	ABANDONED	---	ABANDONED	ABANDONED
MW-12	60-65	---	33.32	---	937.69	904.37
MW-13	36-46	---	34.21	---	937.99	903.78
MW-19	35-45	---	ABANDONED	---	ABANDONED	ABANDONED
MW-19R	30-40	---	35.50	---	937.63	902.13
MW-20	30-40	---	33.32	---	936.87	903.55
MW-21	30-40	---	NL	---	NL	NL
MW-21R	22-32	---	30.00	---	934.95	904.95
MW-22	30-40	---	32.22	---	937.61	905.39
MW-23	30-40	---	DRY	---	943.11	DRY
MW-24	30-40	---	34.42	---	938.76	904.34
MW-25	30-40	---	26.63	---	938.88	912.25
MW-26	30-40	---	30.16	---	937.04	906.88
MW-27	30-40	---	34.55	---	938.17	903.62
MW-28	32-42	---	34.85	---	940.86	906.01
MW-29	35-45	---	40.29	---	943.12	902.83
MW-30	39-49	---	ABANDONED	---	ABANDONED	ABANDONED
MW-31	30-40	---	DRY	---	935.75	DRY
MW-32	30-40	---	36.30	---	937.28	900.98
DW-1	60-65	---	35.83	---	937.18	901.35
DW-2	60-65	---	39.99	---	942.93	902.94
DW-3	60-65	---	40.26	---	942.98	902.72
DW-4	58-63	---	40.59	---	935.93	895.34
DW-5	59-64	---	42.74	---	943.99	901.25
DW-6	60-65	---	35.68	---	937.49	901.81
DDW-1	80-120	---	63.42	---	962.25	898.83
DDW-2	85-90	---	38.88	---	935.41	896.53
DDW-3	85-90	---	41.36	---	943.86	902.50
DDW-4	80-85	---	35.27	---	937.35	902.08
RW-1	20-40	29.88	29.90	0.02	937.24	907.36
RW-2	20-40	---	29.28	---	937.36	908.08
RW-3	20-40	29.93	29.94	0.01	937.48	907.55
RW-4	20-40	30.44	30.46	0.02	937.88	907.44
RW-5	20-40	32.75	32.76	0.01	938.26	905.51
EP-4	20-35	29.54	29.57	0.03	936.91	907.37
EP-12	20-35	---	30.33	---	937.40	907.07
EP-16	TD: 34.35	---	30.48	---	937.88	907.40
EP-20	13-35	---	32.32	---	938.07	905.75

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Potentiometric Data Site Map
(Groundwater Contour-"Shallow" Zone)

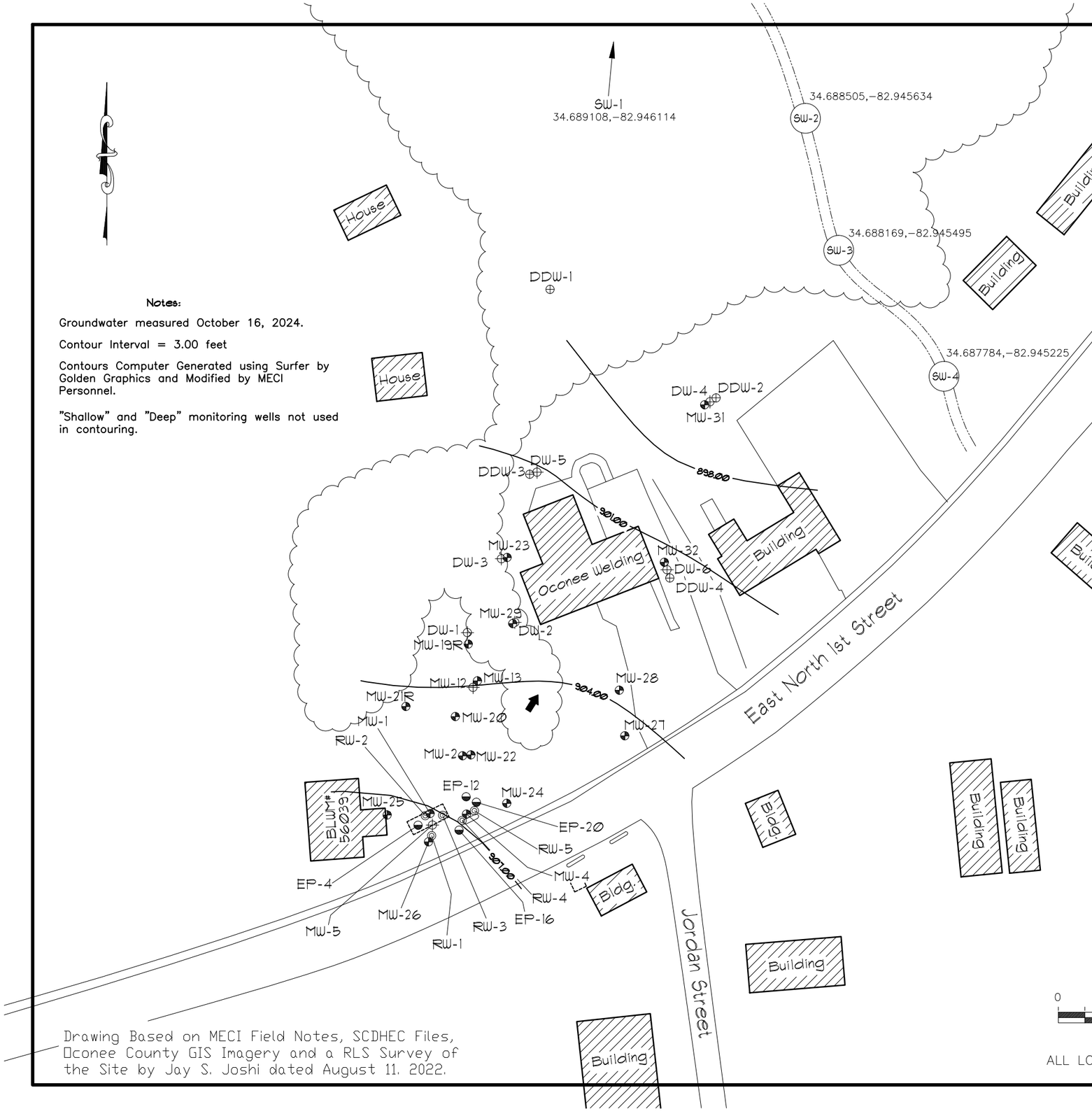
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 4



Groundwater Elevation Contour (feet)

Notes:

Groundwater measured October 16, 2024.

Contour Interval = 3.00 feet

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Shallow" and "Deep" monitoring wells not used in contouring.

POTENTIOMETRIC DATA

Well Number	Screened Interval	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Well-head Elevation	Groundwater Elevation
MW-1	25-40	29.23	29.28	0.05	936.88	907.64
MW-2	30-40	---	31.22	---	937.19	905.97
MW-3	30-40	---	ABANDONED	---	ABANDONED	ABANDONED
MW-4	30-40	---	30.32	---	937.64	907.32
MW-5	60-65	---	29.29	---	936.64	907.35
MW-8	N/A	---	ABANDONED	---	ABANDONED	ABANDONED
MW-12	60-65	---	33.32	---	937.69	904.37
MW-13	36-46	---	34.21	---	937.99	903.78
MW-19	35-45	---	ABANDONED	---	ABANDONED	ABANDONED
MW-19R	30-40	---	35.50	---	937.63	902.13
MW-20	30-40	---	33.32	---	936.87	903.55
MW-21	30-40	---	NL	---	NL	NL
MW-21R	22-32	---	30.00	---	934.95	904.95
MW-22	30-40	---	32.22	---	937.61	905.39
MW-23	30-40	---	DRY	---	943.11	DRY
MW-24	30-40	---	34.42	---	938.76	904.34
MW-25	30-40	---	26.63	---	938.88	912.25
MW-26	30-40	---	30.16	---	937.04	906.88
MW-27	30-40	---	34.55	---	938.17	903.62
MW-28	32-42	---	34.85	---	940.86	906.01
MW-29	35-45	---	40.29	---	943.12	902.83
MW-30	39-49	---	ABANDONED	---	ABANDONED	ABANDONED
MW-31	30-40	---	DRY	---	935.75	DRY
MW-32	30-40	---	36.30	---	937.28	900.98
DW-1	60-65	---	35.83	---	937.18	901.35
DW-2	60-65	---	39.99	---	942.93	902.94
DW-3	60-65	---	40.26	---	942.98	902.72
DW-4	58-63	---	40.59	---	935.93	895.34
DW-5	59-64	---	42.74	---	943.99	901.25
DW-6	60-65	---	35.68	---	937.49	901.81
DDW-1	80-120	---	63.42	---	962.25	898.83
DDW-2	85-90	---	38.88	---	935.41	896.53
DDW-3	85-90	---	41.36	---	943.86	902.50
DDW-4	80-85	---	35.27	---	937.35	902.08
RW-1	20-40	29.88	29.90	0.02	937.24	907.36
RW-2	20-40	---	29.28	---	937.36	908.08
RW-3	20-40	29.93	29.94	0.01	937.48	907.55
RW-4	20-40	30.44	30.46	0.02	937.88	907.44
RW-5	20-40	32.75	32.76	0.01	938.26	905.51
EP-4	20-35	29.54	29.57	0.03	936.91	907.37
EP-12	20-35	---	30.33	---	937.40	907.07
EP-16	TD: 34.35	---	30.48	---	937.88	907.40
EP-20	13-35	---	32.32	---	938.07	905.75

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11, 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Potentiometric Data Site Map
(Groundwater Contour-"Intermediate" Zone)

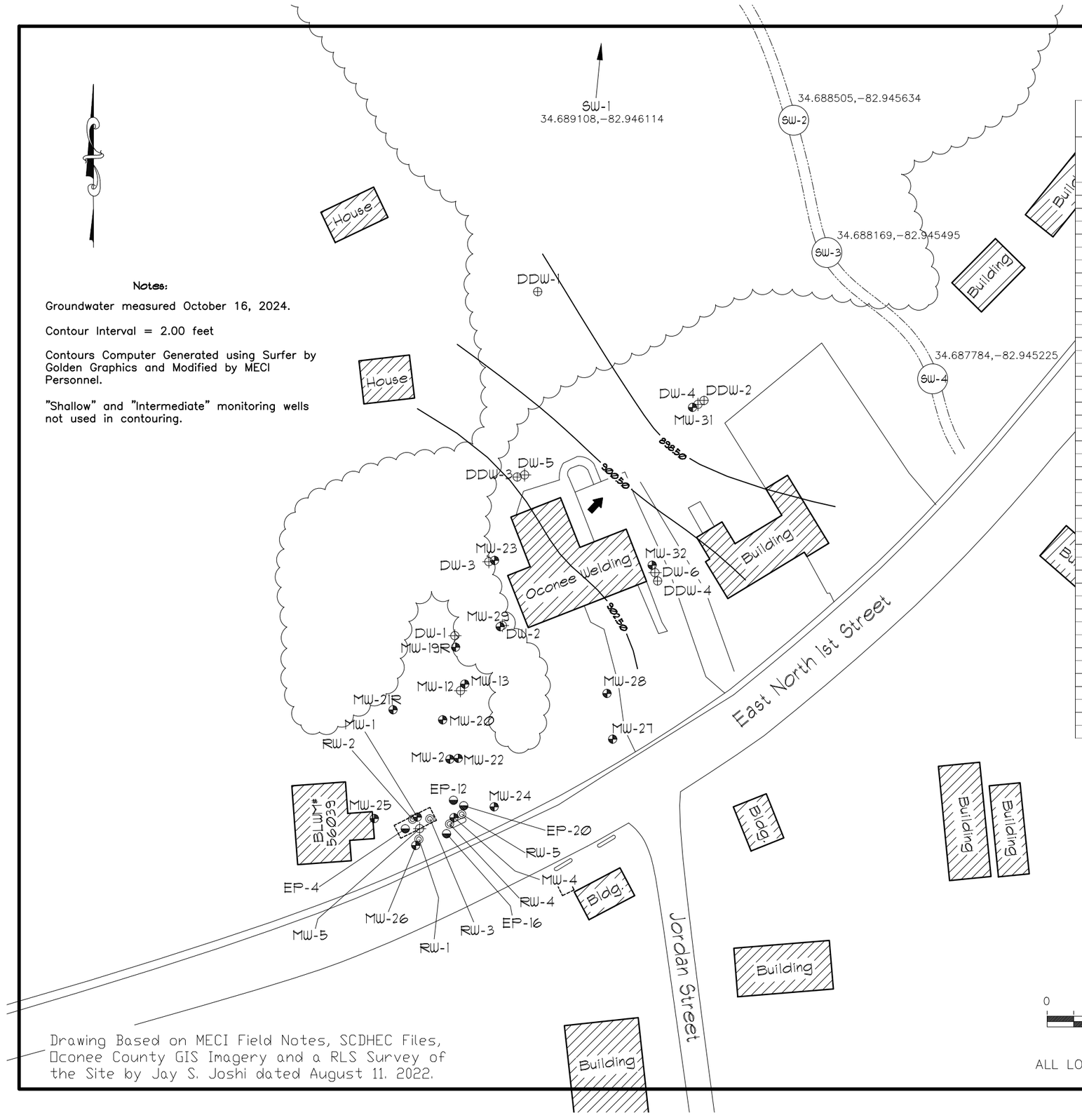
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

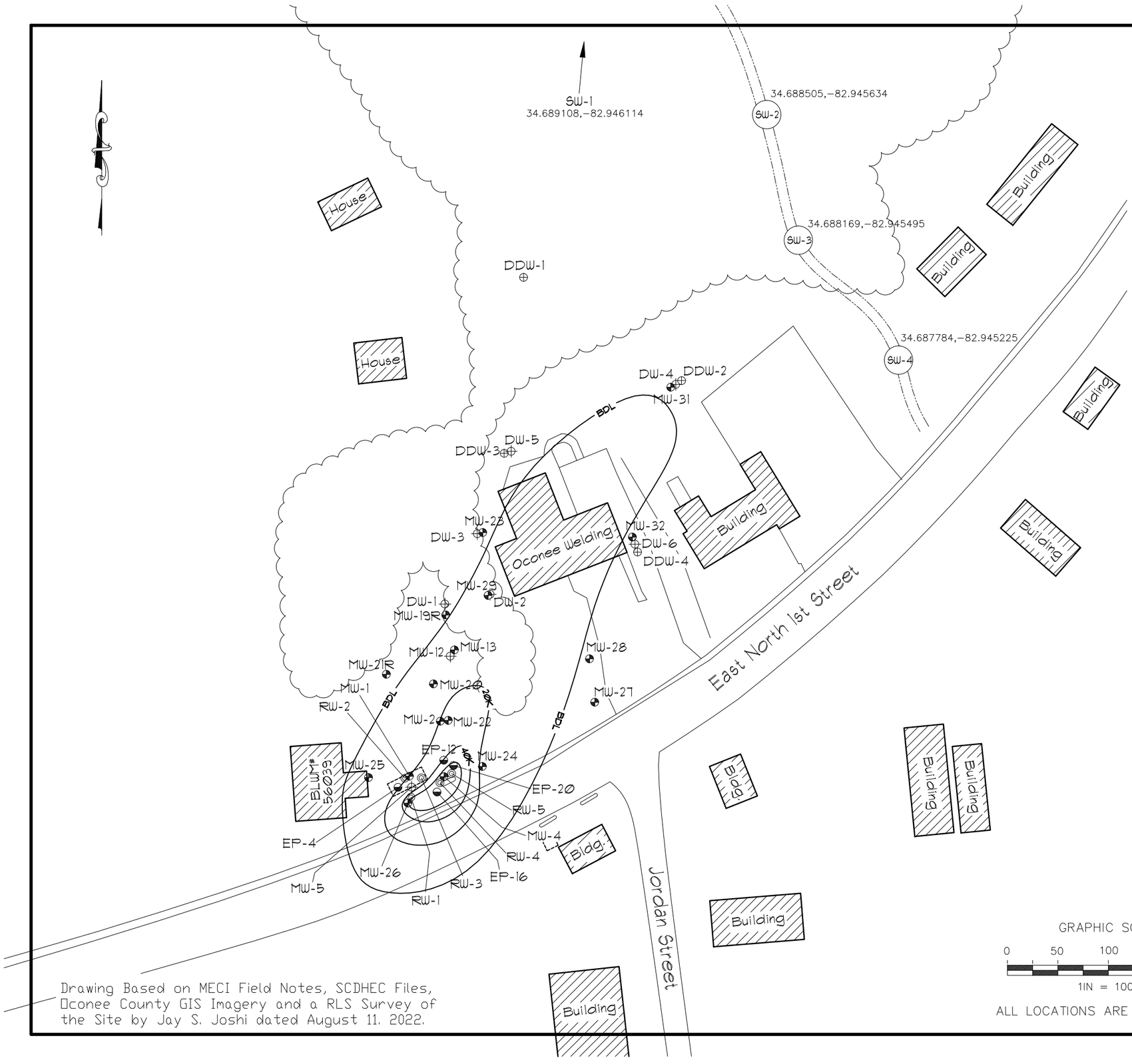
Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 4A


SW-1
34.689108,-82.946114
34.688505,-82.945634
SW-2
34.688169,-82.945495
SW-3
34.687784,-82.945225
SW-4
DDW-1
DW-4
DDW-2
MW-31
DW-5
DDW-3
DW-3
MW-23
Oconee Welding
MW-32
DW-6
DDW-4
MW-29
DW-2
DW-1
MW-19R
MW-12
MW-13
MW-28
MW-21R
MW-1
MW-20
MW-27
RW-2
MW-2
MW-22
EP-12
MW-24
MW-25
BLUN*
56039
EP-20
RW-5
EP-4
MW-4
RW-4
Bldg.
MW-26
MW-5
RW-3
EP-16
RW-1
East North 1st Street
Jordan Street
House
House
Building
Building
Building



Explanation:

——— Total BTEX Concentration Isopleth (ug/l)

Notes:

Groundwater samples collected October 16, 2024.

Isopleth Interval = 20,000 ug/l

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Intermediate" and "Deep" monitoring not used in contouring.

Samples were collected beneath free product in monitoring wells MW-1, RW-1, RW-3, RW-4, RW-5 and EP-4.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11, 2022.

Total BTEX Isopleth
("Shallow" Zone)

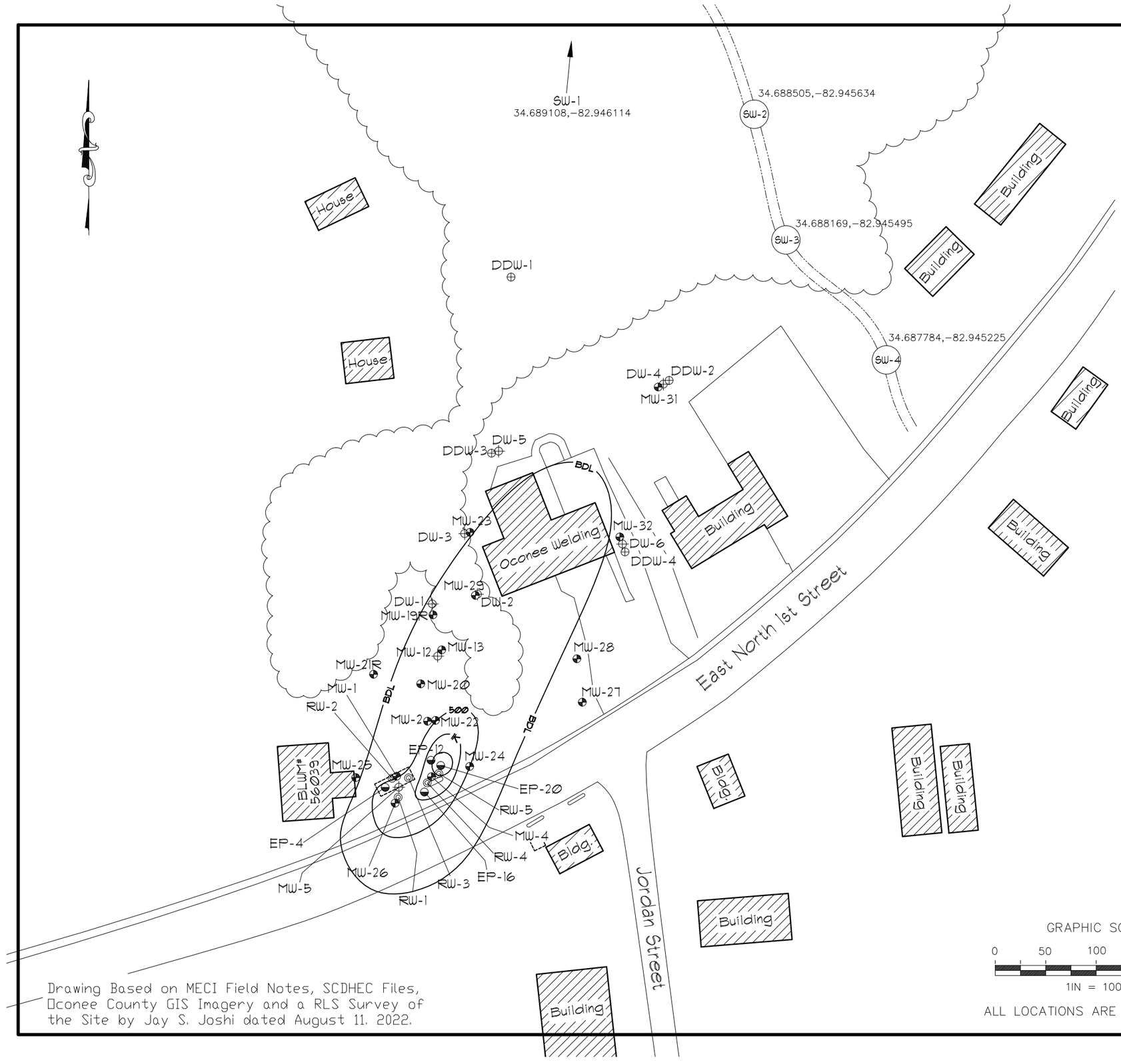
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 5



Explanation:

——— Naphthalene Concentration Isopleth (ug/l)

Notes:

Groundwater samples collected October 16, 2024.

Isopleth Interval = 500 ug/l

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Intermediate" and "Deep" monitoring not used in contouring.

Samples were collected beneath free product in monitoring wells MW-1, RW-1, RW-3, RW-4, RW-5 and EP-4.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

Naphthalene Isopleth
("Shallow" Zone)

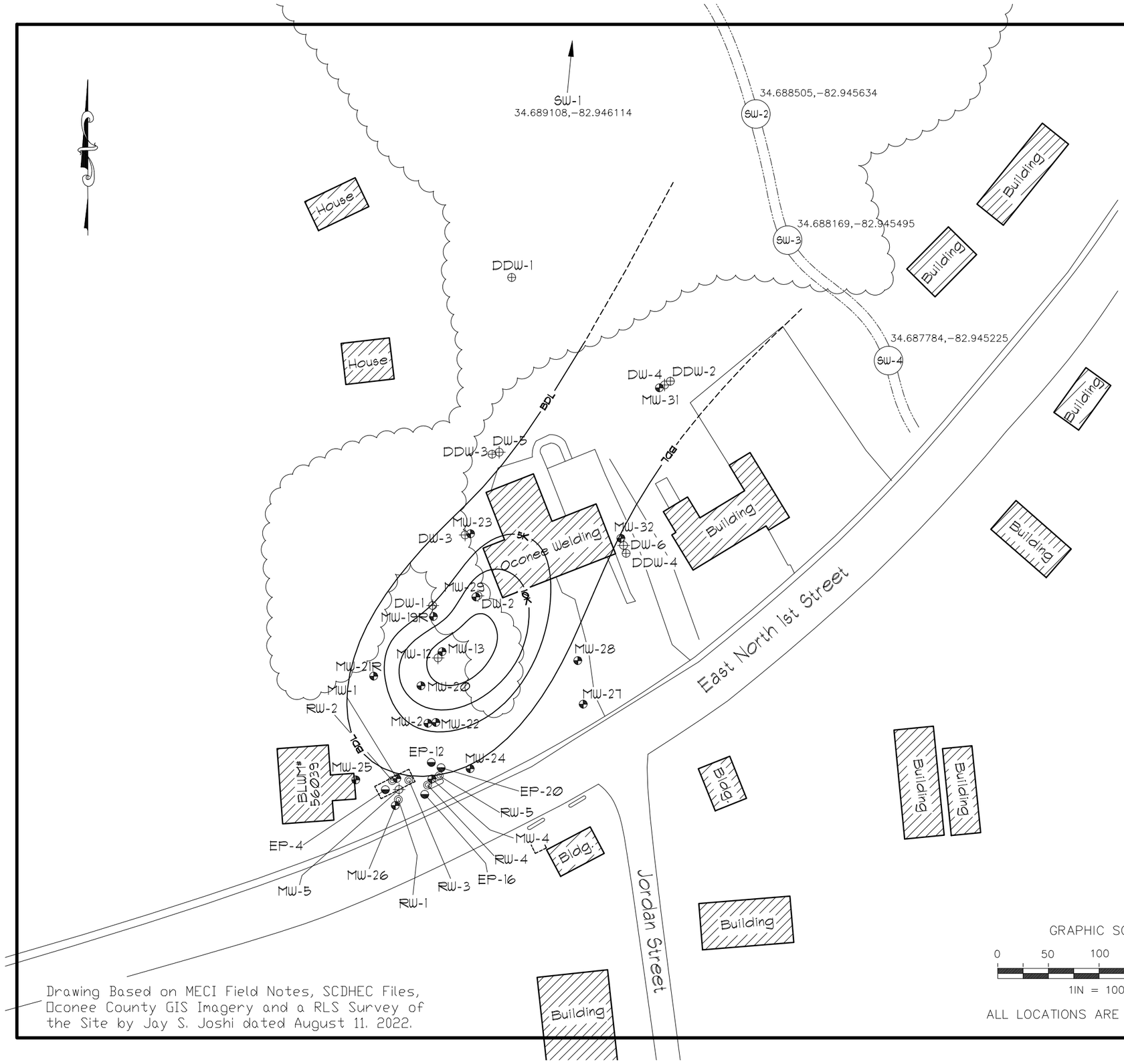
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 5A



Explanation:

——— Total BTEX Concentration Isopleth (ug/l)

Notes:

Groundwater samples collected October 16, 2024.

Isopleth Interval = 5,000 ug/l

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Shallow" and "Deep" monitoring wells not used in contouring.

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Total BTEX Isopleth
("Intermediate" Zone)

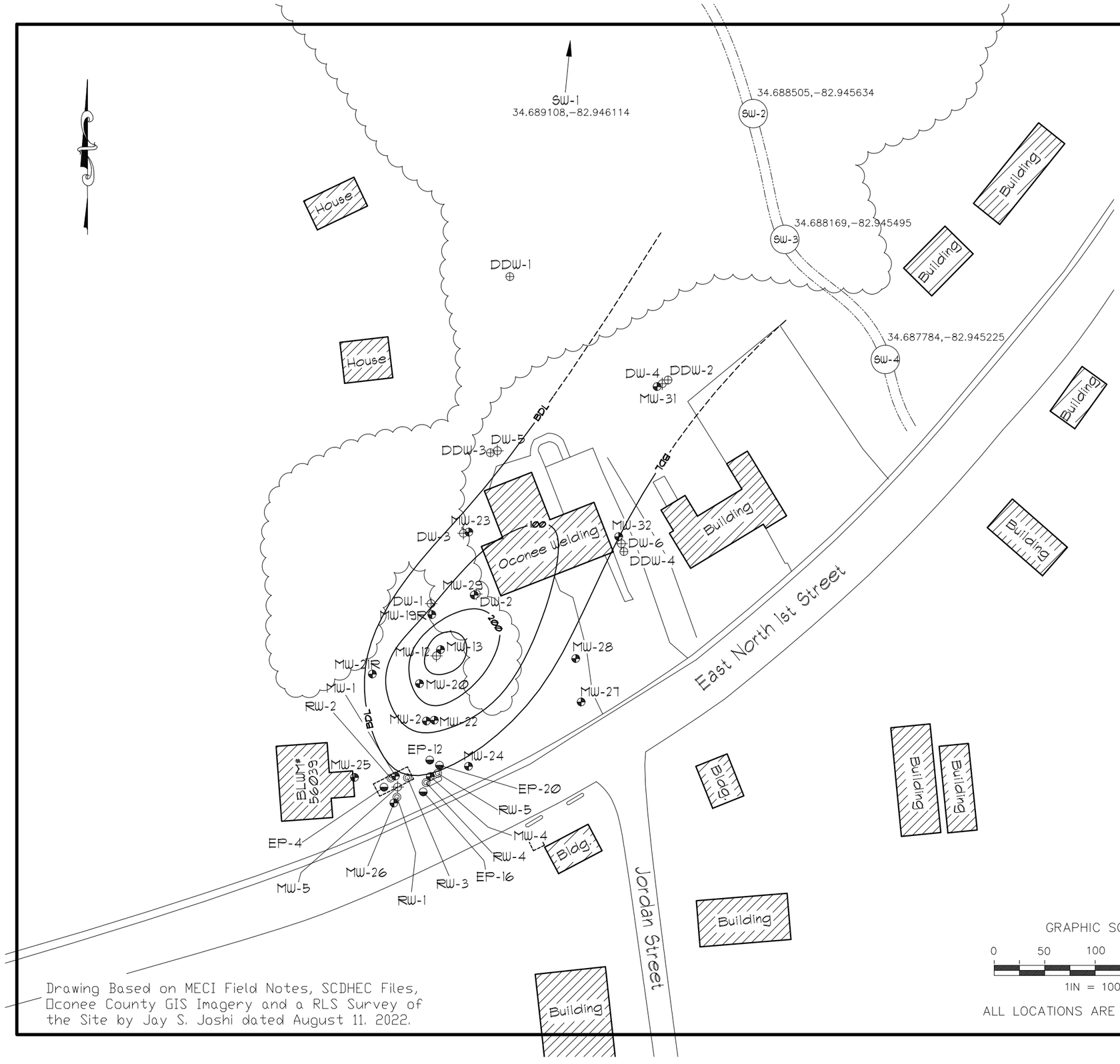
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 5B



Explanation:

——— Naphthalene Concentration Isopleth (ug/l)

Notes:

Groundwater samples collected October 16, 2024.

Isopleth Interval = 100 ug/l

Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Shallow" and "Deep" monitoring not used in contouring.

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Naphthalene Isopleth
("Intermediate" Zone)

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 5C

APPENDIX A:

SITE SURVEY

(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

52

Field Personnel: HS, JD, DG, MW, JB

Sampling Date(s): 10/6/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH:	Yes	No
Conductivity:	Yes	No
Dissolved Oxygen:	Yes	No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-1	Initial	14:05													FPP
	1st		Sampled under FPP												Sampled under FPP
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-2	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-3	Initial														ABD
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-4	Initial	14:25	6.74	24.8	18.6	2.69	8.63								Slight odor
	1st	14:28	6.46	22.5	18.4	2.46	10.51								
	2nd	14:31	6.38	21.7	18.2	2.38	13.89								
	3rd	14:34	6.51	21.9	18.0	2.21	12.12								
	4th	14:37	6.55	22.6	17.8	2.15	10.96								
	5th	14:40	6.58	23.1	17.6	2.02	9.11								
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-1	Initial										25-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-2	Initial	13:28	5.26	126.7	20.1	2.52	16.17		3.22		30-40	6.78	1.43	7.5	Strong odor
	1st	13:31	5.35	128.2	19.8	2.59	18.97								
	2nd	13:34	5.79	128.1	19.5	2.63	21.81								
	3rd	13:37	5.77	127.4	19.1	2.77	21.09						7.16		
	4th	13:40	5.69	127.8	19.0	2.79	20.77								
	5th	13:43	5.73	129.1	18.8	2.81	19.54								
	Sampling														
MW-3	Initial										30-40				DNS, ABN
	1st														
	2nd														
	3rd	DNS, Abandoned													
	4th														
	5th														
	Sampling														
MW-4	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-5	Initial	13:52	6.07	32.6	18.7	5.05	8.92		21.2	21.6	60 – 65	35.71	5.82	Dry @ 69	no odor
	1st	13:59	5.54	30.4	18.4	4.82	11.61						29.10		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:30	5.72	31.3	18.5	4.90	9.22								
MW-8	Initial										ABD				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-12	Initial										60 – 65				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-13	Initial										36 – 46				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-5	Initial										60-65				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-8	Initial														DNS, ABN
	1st														
	2nd	DNS, Abandoned													
	3rd														
	4th														
	5th														
	Sampling														
MW-12	Initial	12:45	6.06	93.5	19.0	2.53	12.84		33.32	35.01	60-65	31.68	5.16	Dry @ 5.25	odor
	1st	12:53	5.83	73.8	18.8	2.84	25.81						25.82		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:05	5.94	81.8	19.2	2.71	12.17								
MW-13	Initial	12:32	6.13	95.3	20.1	2.80	10.98		34.21	36.09	36-46	11.79	1.92	Dry @ 4	odor
	1st	12:36	6.21	95.1	19.2	2.88	18.99						9.61		
	2nd	12:40	6.07	94.8	18.1	2.91	23.17								
	3rd														
	4th														
	5th														
	Sampling	14:58	6.17	91.8	18.8	2.81	11.05								

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
3:39	Initial	12:12	5.96	43.0	18.1	[illegible]	12.81								
	1st	12:15	5.61	42.2	17.7	3.91	18.74								
MW-19R	2nd	12:18	6.38	43.6	17.8	3.96	21.89		35.50		30-40	4.5	0.73	3.75	Slight odor
	3rd	12:21	6.41	43.1	17.5	4.69	21.77								
	4th	12:24	6.42	43.3	17.4	4.61	21.64						3.67		
	5th	12:27	6.43	43.1	17.3	4.58	19.46								
	Sampling														
	Initial	13:07	5.06	74.8	19.6	2.65	17.28								
	1st	13:10	4.96	74.7	19.3	2.74	19.43						1.09		
MW-20	2nd	13:13	4.97	74.3	19.1	2.81	21.73		33.32		30-40	6.68	[illegible]	6.25	Slight odor
	3rd	13:16	5.17	74.5	18.8	2.89	20.21								
	4th	13:19	5.23	74.6	18.7	2.87	20.01						5.44		
	5th	13:22	5.28	74.3	18.5	2.88	18.99						[illegible]		
	Sampling														
	Initial	13.00	5.10	50.4	19.7	3.24	28.17								
	1st	13:02	5.01	50.8	19.3	3.39	28.81						0.33		
MW-21R	2nd								30.0	30.0	22-32	2.0		Dry @ 0.5	No odor
	3rd														
	4th														
	5th												1.63		
	Sampling	15:13	5.08	50.3	19.8	3.31	18.21								
	Initial	13:28	5.63	134.1	20.7	1.77	15.07								
	1st	13:31	5.48	133.8	20.1	1.84	18.79						1.27		
MW-22	2nd	13:34	6.21	133.5	19.6	1.91	20.89		32.22		30-40	7.78		6.50	Odor
	3rd	13:37	6.22	133.2	19.4	1.95	20.41								
	4th	13:40	6.27	133.1	19.3	2.01	19.46						6.34		
	5th	13:43	6.32	132.8	19.1	2.21	18.17								
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MW, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-23	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-24	Initial	14:14	5.20	89.3	20.0	2.98	13.81		34.92		30-40	5.58	0.91	5	odor
	1st	14:16	5.50	90.1	19.6	2.58	18.09								
	2nd	14:18	5.58	90.3	19.1	2.73	20.78						4.55		
	3rd	14:20	5.63	90.7	18.8	2.84	20.33								
	4th	14:22	5.67	~~1~~ 87.8	18.3	2.91	19.24								
	5th	14:24	5.72	117.2	18.1	2.98	18.09								
	Sampling														
MW-25	Initial	13:48	5.21	81.1	19.5	4.16	15.21		26.63		30-40	13.37	2.18	11.25	No odor
	1st	13:52	5.28	91.2	19.1	4.24	18.21								
	2nd	13:56	5.91	101.8	18.8	4.38	16.93						10.90		
	3rd	~~14:00~~	5.98	103.9	18.6	4.39	18.44								
	4th	14:04	6.03	105.1	18.4	4.50	17.18								
	5th	14:08	6.17	106.9	18.1	4.53	16.17								
	Sampling														
☆FPP (Sack) MW-26	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-23	Initial										30 – 40				Dry @ 40'
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-24	Initial										30 – 40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-25	Initial										30 – 40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-26	Initial	13:37	6.03	24.6	18.8	10.37	8.05		20.16		30 – 40	9.84	1.60	8.25g	Slight odor
	1st	13:40	5.80	21.2	18.6	10.11	11.62								
	2nd	13:43	5.61	20.6	18.4	9.56	10.90								
	3rd	13:46	5.72	21.0	18.2	9.29	13.25								
	4th	13:49	5.76	21.5	18.0	8.66	10.93								
	5th	13:52	5.79	21.8	17.8	8.71	8.95						8.02		
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MM, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-27	Initial	12:21	5.80	19.2	17.1	3.04	9.16		34.55		30 – 40	5.45	0.88	4.50g	no odor
	1st	12:23	5.51	15.9	16.8	3.11	13.21								
	2nd	12:25	5.37	13.7	16.6	3.16	16.29								
	3rd	12:27	5.42	14.2	16.5	3.25	15.12								
	4th	12:29	5.47	14.8	16.4	3.29	12.90						4.44		
	5th	12:32	5.53	15.6	16.3	3.35	9.54								
	Sampling														
MW-28	Initial	12:40	5.60	22.3	19.6	6.12	10.53		34.65		32 – 42	7.15	1.16	6g	no odor
	1st	12:42	5.36	20.6	19.3	6.19	15.61								
	2nd	12:44	5.43	18.3	19.1	6.25	18.95								
	3rd	12:46	5.50	20.1	18.8	6.31	14.26								
	4th	12:48	5.53	20.2	18.9	6.34	11.41						5.83		
	5th	12:50	5.55	20.4	18.7	6.42	9.26								
	Sampling														
MW-29	Initial	12:27	6.26	17.0	16.4	3.65	8.61		40.29		35 – 45	4.71	0.76	4g	Slight odor
	1st	12:29	5.85	16.5	16.2	3.78	13.95								
	2nd	12:31	6.02	15.9	16.0	3.86	19.66								
	3rd	12:33	6.13	19.1	15.9	3.98	15.12								
	4th	12:35	6.16	19.3	15.8	4.05	12.89						3.83		
	5th	12:38	6.19	19.6	15.7	4.11	9.62								
	Sampling														
MW-30	Initial										39 – 49				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-27	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-28	Initial										32-42				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-29	Initial										35-45				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-30	Initial										39-49				DNS, ABN
	1st														
	2nd														
	3rd	DNS,	Well	Abandoned											
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, ID, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: ~~Yes~~ No

Conductivity: ~~Yes~~ No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-31	Initial										30 – 40				Dry @ 39.95'
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-32	Initial	12:00	7.01	23.0	18.5	6.15	8.61		36.30	36.46	30 – 40	3.70	0.60	Dry @ 29	no odor
	1st	12:02	6.82	22.7	18.8	6.07	14.25								
	2nd	12:04	6.70	21.5	18.9	6.40	24.96						3.02		
	3rd	12:06	6.19	20.3	18.7	5.57	18.15								
	4th														
	5th														
	Sampling	15:25	6.45	20.8	19.0	6.03	9.73								
DW-1	Initial										60 – 65				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
DW-2	Initial	12:14	6.39	18.6	16.8	5.18	11.26		39.99	40.29	60 – 65	25.01	4.07	Dry @ 4.50s	Slight odor
	1st	12:20	6.07	16.4	16.5	4.69	13.51								
	2nd												20.38		
	3rd														
	4th														
	5th														
	Sampling	15:23	6.14	17.6	16.3	4.82	9.57								

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
MW-31	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-32	Initial										30-40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
DW-1	Initial	12:00	7.65	92.0	18.4	2.97	7.41				60-65				
	1st	12:07	7.31	71.7	18.1	3.03	18.74		35.83	36.21		29.17	4.75	dry @ 5	Odor
	2nd														
	3rd														
	4th														
	5th														
	Sampling	14:50	7.53	83.7	18.2	3.07	10.91						23.77		
DW-2	Initial										60-65				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: ~~Yes~~ No

Conductivity: ~~Yes~~ No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
Dw-3	Initial	11:22	7.55	22.5	17.7	3.47	6.92		40.26	41.56	60 – 65	24.74	4.03	Drd @ 4.5gl	no odor
	1st	11:28	7.19	18.6	17.2	3.68	8.85						20.16		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:15	7.34	19.2	17.6	3.36	8.42								
Dw-4	Initial	10:53	8.89	24.2	18.0	3.32	6.49		40.59	41.82	58 – 63	22.41	3.65	Drd e 4g	Slight odor
	1st	10:58	7.63	18.0	17.8	4.06	11.25						18.26		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:08	7.84	19.2	17.9	3.62	8.79								
Dw-5	Initial	11:10	7.37	45.4	17.5	4.34	8.19		42.24	43.55	59 – 64	21.26	3.46	Drd @ 3.75gl	no odor
	1st	11:15	7.10	29.3	16.8	4.62	10.66						17.32		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:05	7.26	31.6	17.1	4.45									
Dw-6	Initial	11:44	7.20	28.5	18.1	3.07	7.92		35.68	36.24	60 – 65	29.32	4.78	Drd @ 5g	no odor
	1st	11:52	7.08	19.6	17.5	3.25	11.14						23.90		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:19	7.11	21.3	17.8	3.39	8.71								

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
DDW-1 (83.5)	Initial	11:15							213		80-120	—	—	—	No odor
	1st								63.42						
	2nd	Sampled with Hydrosleeve							2.46						
	3rd								60.96						
	4th														
	5th								60.96						
	Sampling														
DDW-2 (92.5)	Initial	11:20									80-120	—	—	—	No odor
	1st														
	2nd	Sampled with Hydrosleeve							60.96						
	3rd														
	4th														
	5th														
	Sampling														
DDW-3 (102.5)	Initial	11:25									80-120	—	-	-	No odor
	1st														
	2nd	Sampled with Hydrosleeve							60.98						
	3rd														
	4th														
	5th														
	Sampling	[illegible]													
DDW-4 (112.5)	Initial	11:30									80-120	—	—	—	No odor
	1st														
	2nd								60.96						
	3rd	Sampled with Hydrosleeve													
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MW, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: ~~Yes~~ No

Conductivity: ~~Yes~~ No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
DDW-1 (119.5)	Initial	11:35							60.96		80-120	–	–	–	No odor
	1st												–		
	2nd	Sampled with Hydro Sleeve													
	3rd														
	4th														
	5th														
	Sampling														
DDW-2	Initial										85-90				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
DDW-3	Initial										85-90				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
DDW-4	Initial										80-85				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
DDW-1	Initial										80 - 120				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
DDW-2	Initial	10:36	8.63	993.6	19.0	4.93	6.29		38.58	39.11	85 - 90	51.12	8.33	Dry @ 8.509	no odor
	1st	10:46	8.32	949.3	18.2	3.47	9.35						41.66		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:02	8.50	51.7	18.6	4.12	8.59								
DDW-3	Initial	11:08	6.94	62.8	17.5	3.28	7.91		41.36	41.57	85 - 90	48.64	7.93	Dry @ 8g	no odor
	1st	11:17	6.86	45.6	17.0	2.95	8.53						39.64		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:12	6.72	50.9	17.2	3.06	8.46								
DDW-4	Initial	11:40	7.11	29.9	18.3	5.29	8.62		35.22	35.25	80 - 85	49.73	8.11	Dry @ 8.509	no odor
	1st	11:52	6.54	20.3	17.8	5.03	9.95						40.53		
	2nd														
	3rd														
	4th														
	5th						8.84								
	Sampling	15:16	7.03	24.3	18.0	5.14	~~8.84~~								

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
Rw-1	Initial	13:45	[illegible]					29.68	29.90		20 - 40				FPP Sampled Under 4"
	1st														
	2nd		Sampled Under FPP												
	3rd														
	4th														
	5th														
	Sampling														
Rw-2	Initial	13:58	6.96	32.3	18.6	2.19	6.69		29.28		20 - 40	10.72	7.00	35.25g	Strong Odor
	1st	13:58	6.90	28.7	18.4	2.05	11.25								
	2nd	14:06	6.84	27.3	18.2	1.96	14.92								
	3rd	14:14	6.71	26.4	18.0	1.88	12.19						35.00		
	4th	14:22	6.62	24.9	17.6	1.80	11.35								
	5th	14:30	6.53	22.7	17.5	1.75	9.29								4"
	Sampling														
Rw-3 Dup-2	Initial	14:10	Sampled Under FPP					29.93	29.94		20 - 40				FPP Sampled under 4" Dup. 2
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Rw-4	Initial	14:17	Sampled Under FPP					30.44	30.46		20 - 40				FPP Sampled under 4"
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

= One Well Volume x 5 = **Gallons Purged (calculated)

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: TJS, TD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
RW-5	Initial	14:38						32.75	32.76		20-40				FPP Sampled Under
	1st														
	2nd		Sampled	under	FPP										
	3rd														
	4th														
	5th														
	Sampling														
EP-4	Initial										20-35				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
EP-20	Initial	14:30	5.36	67.9	19.6	1.65	15.07		32.32	32.40	20-35	2.68	0.44	Dry@ 0.5	Strong Odor
	1st	14:32	5.21	65.8	19.1	1.41	18.97				13		2.18		
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:18	5.30	68.1	19.4	1.59	15.21								
☆FPP (Sock) EP-16	Initial										TD: 34.35				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, TD, DG, MW, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
EP-12	Initial	14:40	5.02	80.7	20.2	5.03	17.09		30.33	30.43	13-35	4.67	0.76	Purged	Strong Odor
	1st	14:42	4.91	81.3	19.7	4.97	22.89								
	2nd														
	3rd														
	4th														
	5th														
	Sampling	15:24	4.98	77.3	19.8	4.73	17.12						3.81	1.0	Dup-1
Dup-1	Initial	15:24	EP-12	Strong	Odor										
Dup-2	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Dup-3	Initial														
FB	1st														
GAC	2nd														
	3rd														
	4th														
	5th														
	Sampling														
TB-1	Initial	8:00													
	1st														
TB-2	2nd	8:00													
	3rd														
TB-3	4th														
	5th	NA													
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells**, or * x **.66 for 4" wells**, 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
RW-5	Initial										20 – 40				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														4"
EP-4	Initial	13:35	Sampled under FPP					29.54	29.57		20 – 35				FPP
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
EP-12	Initial										20 – 35				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
EP-16 Dup-3	Initial	14:17	7.33	20.5	17.9	2.96	8.62		10.48	10.45	TD 34.35	23.87	0.63	Dry @ 29	Slight odor
	1st	14:19	7.20	19.6	17.7	2.38	11.19								
	2nd	14:21	7.11	19.2	17.5	1.95	13.54								
	3rd	14:23	7.03	19.0	17.3	1.92	15.12						3.15		Dup-3
	4th														
	5th														
	Sampling	15:33	6.95	18.7	17.0	1.76	9.75								

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
EP-20	Initial										13 – 35				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Sw-1	Initial	13:00	6.26	21.9	19.0	6.52	11.62								(34.689198, -82.946114) Sampled from creek
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Sw-2	Initial	13:10	6.56	18.7	17.3	6.71	14.19								(34.688505, -82.945495) Sampled from creek
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Sw-3	Initial	13:20	6.79	25.3	16.9	6.69	16.98								(34.688169, -82.945495) Sampled from creek
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Midlands Environmental Consultants, Inc.

Monitoring Well Purge And Sampling Data

Field Personnel: HS, JD, DG, MV, JB

Sampling Date(s): 10/16/24

Sampling Case#: 2

Job Name: UST Unknown 14324

Job Number: 24-8321

Calibration Data for :

Calibration Successful? ~~Yes~~ or No (Please Circle)

pH: ~~Yes~~ No

Conductivity: ~~Yes~~ No

Dissolved Oxygen: ~~Yes~~ No

Turbidity: **Conductivity Calibrated Every 3 Months by QA Manager**

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet): product	Depth to (feet): Initial H_2O	Depth to (feet): final H_2O	Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
SW-4	Initial	13:27	6.14	25.3	17.2	6.87	19.67								(34.687784, -82.945225)
	1st														Sampled from creek
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Dup-1	Initial														
	1st	EP-12		15:24	Strong odor										
Dup-2	2nd	RW-3		14:10	Dup. under FPP										
	3rd														
	4th														
Dup-3	5th	EP-16		15:33	Slight odor										
	Sampling														
FB	Initial	[redacted]		14:50											
	1st														
TB-1	2nd	8:00													
	3rd														
TB-2	4th	8:00													
	5th														
	Sampling														
GAC	Initial	[redacted]		14:55											
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = **Water Height**

One Well Volume =x.047 for 1" wells * x **.163 for 2" wells,** or * x **.66 for 4" wells,** 1.469 for 6" wells

= One Well Volume x 5 = **Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

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

November 04, 2024

Mr. Bryan Shane, P.G.
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: UST UNKOWN 14324
Pace Project No.: 92759244

Dear Mr. Shane, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte

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

Sincerely,

Blake Hilton

Blake Hilton
blake.hilton@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental

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

CERTIFICATIONS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE SUMMARY

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92759244001	**MW-1**	Water	10/16/24 14:05	10/18/24 15:43
92759244002	**MW-2**	Water	10/16/24 13:43	10/18/24 15:43
92759244003	**MW-4**	Water	10/16/24 14:40	10/18/24 15:43
92759244004	**MW-5**	Water	10/16/24 15:30	10/18/24 15:43
92759244005	**MW-12**	Water	10/16/24 15:05	10/18/24 15:43
92759244006	**MW-13**	Water	10/16/24 14:58	10/18/24 15:43
92759244007	**MW-19R**	Water	10/16/24 12:27	10/18/24 15:43
92759244008	**MW-20**	Water	10/16/24 13:22	10/18/24 15:43
92759244009	**MW-21R**	Water	10/16/24 15:12	10/18/24 15:43
92759244010	**MW-22**	Water	10/16/24 13:43	10/18/24 15:43
92759244011	**MW-24**	Water	10/16/24 14:24	10/18/24 15:43
92759244012	**MW-25**	Water	10/16/24 14:08	10/18/24 15:43
92759244013	**MW-26**	Water	10/16/24 13:52	10/18/24 15:43
92759244014	**MW-27**	Water	10/16/24 12:32	10/18/24 15:43
92759244015	**MW-28**	Water	10/16/24 12:50	10/18/24 15:43
92759244016	**MW-29**	Water	10/16/24 12:38	10/18/24 15:43
92759244017	**MW-32**	Water	10/16/24 15:25	10/18/24 15:43
92759244018	**DW-1**	Water	10/16/24 14:50	10/18/24 15:43
92759244019	**DW-2**	Water	10/16/24 15:23	10/18/24 15:43
92759244020	**DW-3**	Water	10/16/24 15:15	10/18/24 15:43
92759244021	**DW-4**	Water	10/16/24 15:08	10/18/24 15:43
92759244022	**DW-5**	Water	10/16/24 15:05	10/18/24 15:43
92759244023	**DW-6**	Water	10/16/24 15:19	10/18/24 15:43
92759244024	**DDW-1 (83.5)**	Water	10/16/24 11:15	10/18/24 15:43
92759244025	**DDW-1 (92.5)**	Water	10/16/24 11:20	10/18/24 15:43
92759244026	**DDW-1 (102.5)**	Water	10/16/24 11:25	10/18/24 15:43
92759244027	**DDW-1 (112.5)**	Water	10/16/24 11:30	10/18/24 15:43
92759244028	**DDW-1 (119.5)**	Water	10/16/24 11:35	10/18/24 15:43
92759244029	**DDW-2**	Water	10/16/24 15:02	10/18/24 15:43
92759244030	**DDW-3**	Water	10/16/24 15:12	10/18/24 15:43
92759244031	**DDW-4**	Water	10/16/24 15:16	10/18/24 15:43
92759244032	**RW-1**	Water	10/16/24 13:45	10/18/24 15:43
92759244033	**RW-2**	Water	10/16/24 14:30	10/18/24 15:43
92759244034	**RW-3**	Water	10/16/24 14:10	10/18/24 15:43
92759244035	**RW-4**	Water	10/16/24 14:17	10/18/24 15:43
92759244036	**RW-5**	Water	10/16/24 14:38	10/18/24 15:43
92759244037	**EP-4**	Water	10/16/24 13:35	10/18/24 15:43

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE SUMMARY

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92759244038	**EP-12**	Water	10/16/24 15:24	10/18/24 15:43
92759244039	**EP-16**	Water	10/16/24 15:33	10/18/24 15:43
92759244040	**EP-20**	Water	10/16/24 15:18	10/18/24 15:43
92759244041	**SW-1**	Water	10/16/24 13:00	10/18/24 15:43
92759244042	**SW-2**	Water	10/16/24 13:10	10/18/24 15:43
92759244043	**SW-3**	Water	10/16/24 13:20	10/18/24 15:43
92759244044	**SW-4**	Water	10/16/24 13:27	10/18/24 15:43
92759244045	**DUP-1**	Water	10/16/24 00:00	10/18/24 15:43
92759244046	**DUP-2**	Water	10/16/24 00:00	10/18/24 15:43
92759244047	**DUP-3**	Water	10/16/24 00:00	10/18/24 15:43
92759244048	**FB**	Water	10/16/24 14:50	10/18/24 15:43
92759244049	**GAC**	Water	10/16/24 14:55	10/18/24 15:43
92759244050	**TB-1**	Water	10/16/24 08:00	10/18/24 15:43
92759244051	**TB-2**	Water	10/16/24 08:00	10/18/24 15:43

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92759244001	**MW-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244002	**MW-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244003	**MW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244004	**MW-5**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244005	**MW-12**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244006	**MW-13**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244007	**MW-19R**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244008	**MW-20**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244009	**MW-21R**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244010	**MW-22**	EPA 8011	HH	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92759244011	**MW-24**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244012	**MW-25**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244013	**MW-26**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244014	**MW-27**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244015	**MW-28**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244016	**MW-29**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244017	**MW-32**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244018	**DW-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244019	**DW-2**	EPA 8011	HH	2	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260D	TMH	20	PASI-C
92759244020	**DW-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244021	**DW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244022	**DW-5**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244023	**DW-6**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244024	**DDW-1 (83.5)**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244025	**DDW-1 (92.5)**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244026	**DDW-1 (102.5)**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244027	**DDW-1 (112.5)**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244028	**DDW-1 (119.5)**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244029	**DDW-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244030	**DDW-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244031	**DDW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92759244032	**RW-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244033	**RW-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92759244034	**RW-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244035	**RW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244036	**RW-5**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244037	**EP-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

SAMPLE ANALYTE COUNT

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92759244038	**EP-12**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244039	**EP-16**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92759244040	**EP-20**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92759244041	**SW-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244042	**SW-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244043	**SW-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244044	**SW-4**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244045	**DUP-1**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92759244046	**DUP-2**	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92759244047	**DUP-3**	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92759244048	**FB**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244049	**GAC**	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMK	20	PASI-C
92759244050	**TB-1**	EPA 8260D	TMK	20	PASI-C
92759244051	**TB-2**	EPA 8260D	TMK	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-1 **Lab ID: 92759244001** Collected: 10/16/24 14:05 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 01:39	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	10/23/24 14:07	10/24/24 01:39	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	1000	656	10		10/29/24 08:59	75-85-4	M1
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		10/29/24 08:59	994-05-8	
Benzene	ND	ug/L	50.0	17.4	10		10/29/24 08:59	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		10/29/24 08:59	624-95-3	M1
tert-Butyl Alcohol	ND	ug/L	1000	910	10		10/29/24 08:59	75-65-0	v2
tert-Butyl Formate	ND	ug/L	500	241	10		10/29/24 08:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	20.6	10		10/29/24 08:59	107-06-2	M1
Diisopropyl ether	ND	ug/L	50.0	34.9	10		10/29/24 08:59	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		10/29/24 08:59	64-17-5	
Ethylbenzene	**471**	ug/L	50.0	18.4	10		10/29/24 08:59	100-41-4	M1
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		10/29/24 08:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	31.0	10		10/29/24 08:59	1634-04-4	
Naphthalene	**246**	ug/L	50.0	20.9	10		10/29/24 08:59	91-20-3	M1
Toluene	ND	ug/L	50.0	20.1	10		10/29/24 08:59	108-88-3	M1
Xylene (Total)	**2270**	ug/L	50.0	50.0	10		10/29/24 08:59	1330-20-7	MS
m&p-Xylene	**2040**	ug/L	100	41.1	10		10/29/24 08:59	179601-23-1	M1
o-Xylene	**229**	ug/L	50.0	20.4	10		10/29/24 08:59	95-47-6	M1
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		10		10/29/24 08:59	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		10		10/29/24 08:59	17060-07-0	
Toluene-d8 (S)	100	%	70-130		10		10/29/24 08:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-2 **Lab ID: 92759244002** Collected: 10/16/24 13:43 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 01:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	508	%	60-140		1	10/23/24 14:07	10/24/24 01:50	301-79-56	S3
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100000	65600	1000		10/28/24 16:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10000	3040	1000		10/28/24 16:54	994-05-8	
Benzene	**3140J**	ug/L	5000	1740	1000		10/28/24 16:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100000	53900	1000		10/28/24 16:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100000	91000	1000		10/28/24 16:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50000	24100	1000		10/28/24 16:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5000	2060	1000		10/28/24 16:54	107-06-2	
Diisopropyl ether	ND	ug/L	5000	3490	1000		10/28/24 16:54	108-20-3	
Ethanol	ND	ug/L	200000	144000	1000		10/28/24 16:54	64-17-5	
Ethylbenzene	ND	ug/L	5000	1840	1000		10/28/24 16:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10000	8460	1000		10/28/24 16:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5000	3100	1000		10/28/24 16:54	1634-04-4	
Naphthalene	ND	ug/L	5000	2090	1000		10/28/24 16:54	91-20-3	
Toluene	**8110**	ug/L	5000	2010	1000		10/28/24 16:54	108-88-3	
Xylene (Total)	ND	ug/L	5000	5000	1000		10/28/24 16:54	1330-20-7	
m&p-Xylene	ND	ug/L	10000	4110	1000		10/28/24 16:54	179601-23-1	
o-Xylene	ND	ug/L	5000	2040	1000		10/28/24 16:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1000		10/28/24 16:54	460-00-4	D3
1,2-Dichloroethane-d4 (S)	94	%	70-130		1000		10/28/24 16:54	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1000		10/28/24 16:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-4 **Lab ID: 92759244003** Collected: 10/16/24 14:40 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0075	1	10/23/24 14:07	10/24/24 02:01	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	120	%	60-140		1	10/23/24 14:07	10/24/24 02:01	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		10/26/24 10:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		10/26/24 10:22	994-05-8	
Benzene	**16500**	ug/L	1250	435	250		10/26/24 10:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		10/26/24 10:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		10/26/24 10:22	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		10/26/24 10:22	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	1250	515	250		10/26/24 10:22	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		10/26/24 10:22	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		10/26/24 10:22	64-17-5	
Ethylbenzene	**1800**	ug/L	1250	460	250		10/26/24 10:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		10/26/24 10:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		10/26/24 10:22	1634-04-4	
Naphthalene	**773J**	ug/L	1250	522	250		10/26/24 10:22	91-20-3	
Toluene	**26900**	ug/L	1250	502	250		10/26/24 10:22	108-88-3	
Xylene (Total)	**12600**	ug/L	1250	1250	250		10/26/24 10:22	1330-20-7	
m&p-Xylene	**8350**	ug/L	2500	1030	250		10/26/24 10:22	179601-23-1	
o-Xylene	**4220**	ug/L	1250	510	250		10/26/24 10:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		250		10/26/24 10:22	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		250		10/26/24 10:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130		250		10/26/24 10:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-5 **Lab ID: 92759244004** Collected: 10/16/24 15:30 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 02:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	10/23/24 14:07	10/24/24 02:11	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/26/24 03:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/26/24 03:43	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/26/24 03:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/26/24 03:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/26/24 03:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/26/24 03:43	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/26/24 03:43	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/26/24 03:43	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/26/24 03:43	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/26/24 03:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/26/24 03:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/26/24 03:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/26/24 03:43	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/26/24 03:43	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/26/24 03:43	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/26/24 03:43	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/26/24 03:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/26/24 03:43	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/26/24 03:43	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/26/24 03:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-12 **Lab ID: 92759244005** Collected: 10/16/24 15:05 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**21.7**	ug/L	1.1	0.40	50	10/23/24 14:07	10/25/24 18:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	10/23/24 14:07	10/25/24 18:06	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		10/26/24 08:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		10/26/24 08:33	994-05-8	
Benzene	**2980**	ug/L	500	174	100		10/26/24 08:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		10/26/24 08:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		10/26/24 08:33	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		10/26/24 08:33	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	500	206	100		10/26/24 08:33	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		10/26/24 08:33	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		10/26/24 08:33	64-17-5	
Ethylbenzene	**945**	ug/L	500	184	100		10/26/24 08:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		10/26/24 08:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		10/26/24 08:33	1634-04-4	
Naphthalene	**349J**	ug/L	500	209	100		10/26/24 08:33	91-20-3	
Toluene	**8870**	ug/L	500	201	100		10/26/24 08:33	108-88-3	
Xylene (Total)	**5670**	ug/L	500	500	100		10/26/24 08:33	1330-20-7	
m&p-Xylene	**3740**	ug/L	1000	411	100		10/26/24 08:33	179601-23-1	
o-Xylene	**1930**	ug/L	500	204	100		10/26/24 08:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		100		10/26/24 08:33	460-00-4	D3
1,2-Dichloroethane-d4 (S)	89	%	70-130		100		10/26/24 08:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		100		10/26/24 08:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-13 **Lab ID: 92759244006** Collected: 10/16/24 14:58 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**24.4**	ug/L	1.1	0.40	50	10/23/24 14:07	10/25/24 18:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	10/23/24 14:07	10/25/24 18:17	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		10/26/24 07:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		10/26/24 07:57	994-05-8	
Benzene	**2400**	ug/L	200	69.6	40		10/26/24 07:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		10/26/24 07:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		10/26/24 07:57	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		10/26/24 07:57	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	200	82.4	40		10/26/24 07:57	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		10/26/24 07:57	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		10/26/24 07:57	64-17-5	
Ethylbenzene	**675**	ug/L	200	73.6	40		10/26/24 07:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		10/26/24 07:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		10/26/24 07:57	1634-04-4	
Naphthalene	**248**	ug/L	200	83.6	40		10/26/24 07:57	91-20-3	
Toluene	**6180**	ug/L	200	80.4	40		10/26/24 07:57	108-88-3	
Xylene (Total)	**3860**	ug/L	200	200	40		10/26/24 07:57	1330-20-7	
m&p-Xylene	**2720**	ug/L	400	164	40		10/26/24 07:57	179601-23-1	
o-Xylene	**1140**	ug/L	200	81.6	40		10/26/24 07:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		40		10/26/24 07:57	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		40		10/26/24 07:57	17060-07-0	
Toluene-d8 (S)	99	%	70-130		40		10/26/24 07:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-19R **Lab ID: 92759244007** Collected: 10/16/24 12:27 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.023	0.0086	1	10/23/24 14:07	10/24/24 02:44	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	10/23/24 14:07	10/24/24 02:44	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/26/24 04:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/26/24 04:56	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/26/24 04:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/26/24 04:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/26/24 04:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/26/24 04:56	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/26/24 04:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/26/24 04:56	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/26/24 04:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/26/24 04:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/26/24 04:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/26/24 04:56	1634-04-4	
Naphthalene	**2.3J**	ug/L	5.0	2.1	1		10/26/24 04:56	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/26/24 04:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/26/24 04:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/26/24 04:56	179601-23-1	
o-Xylene	**4.9J**	ug/L	5.0	2.0	1		10/26/24 04:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/26/24 04:56	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/26/24 04:56	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/26/24 04:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-20 **Lab ID: 92759244008** Collected: 10/16/24 13:22 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**5.5**	ug/L	0.21	0.079	10	10/23/24 14:07	10/25/24 18:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	10/23/24 14:07	10/25/24 18:27	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**826J**	ug/L	1250	820	12.5		10/28/24 15:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	125	38.0	12.5		10/28/24 15:41	994-05-8	
Benzene	**1600**	ug/L	62.5	21.8	12.5		10/28/24 15:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1250	674	12.5		10/28/24 15:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1250	1140	12.5		10/28/24 15:41	75-65-0	
tert-Butyl Formate	ND	ug/L	625	301	12.5		10/28/24 15:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	62.5	25.8	12.5		10/28/24 15:41	107-06-2	
Diisopropyl ether	ND	ug/L	62.5	43.6	12.5		10/28/24 15:41	108-20-3	
Ethanol	ND	ug/L	2500	1800	12.5		10/28/24 15:41	64-17-5	
Ethylbenzene	**630**	ug/L	62.5	23.0	12.5		10/28/24 15:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	125	106	12.5		10/28/24 15:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	62.5	38.8	12.5		10/28/24 15:41	1634-04-4	
Naphthalene	**186**	ug/L	62.5	26.1	12.5		10/28/24 15:41	91-20-3	
Toluene	**476**	ug/L	62.5	25.1	12.5		10/28/24 15:41	108-88-3	
Xylene (Total)	**2900**	ug/L	62.5	62.5	12.5		10/28/24 15:41	1330-20-7	
m&p-Xylene	**2040**	ug/L	125	51.4	12.5		10/28/24 15:41	179601-23-1	
o-Xylene	**863**	ug/L	62.5	25.5	12.5		10/28/24 15:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		12.5		10/28/24 15:41	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		12.5		10/28/24 15:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		12.5		10/28/24 15:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-21R **Lab ID: 92759244009** Collected: 10/16/24 15:12 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0073	1	10/23/24 14:07	10/24/24 03:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	81	%	60-140		1	10/23/24 14:07	10/24/24 03:05	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/26/24 04:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/26/24 04:01	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/26/24 04:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/26/24 04:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/26/24 04:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/26/24 04:01	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/26/24 04:01	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/26/24 04:01	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/26/24 04:01	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/26/24 04:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/26/24 04:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/26/24 04:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/26/24 04:01	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/26/24 04:01	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/26/24 04:01	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/26/24 04:01	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/26/24 04:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/26/24 04:01	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/26/24 04:01	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/26/24 04:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-22 **Lab ID: 92759244010** Collected: 10/16/24 13:43 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**173**	ug/L	5.3	2.0	250	10/23/24 14:07	10/25/24 18:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		250	10/23/24 14:07	10/25/24 18:38	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		10/26/24 09:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		10/26/24 09:10	994-05-8	
Benzene	**9510**	ug/L	500	174	100		10/26/24 09:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		10/26/24 09:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		10/26/24 09:10	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		10/26/24 09:10	762-75-4	IK
1,2-Dichloroethane	ND	ug/L	500	206	100		10/26/24 09:10	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		10/26/24 09:10	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		10/26/24 09:10	64-17-5	
Ethylbenzene	**1570**	ug/L	500	184	100		10/26/24 09:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		10/26/24 09:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		10/26/24 09:10	1634-04-4	
Naphthalene	**450J**	ug/L	500	209	100		10/26/24 09:10	91-20-3	
Toluene	**19700**	ug/L	500	201	100		10/26/24 09:10	108-88-3	
Xylene (Total)	**8580**	ug/L	500	500	100		10/26/24 09:10	1330-20-7	
m&p-Xylene	**5810**	ug/L	1000	411	100		10/26/24 09:10	179601-23-1	
o-Xylene	**2770**	ug/L	500	204	100		10/26/24 09:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		100		10/26/24 09:10	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		100		10/26/24 09:10	17060-07-0	
Toluene-d8 (S)	98	%	70-130		100		10/26/24 09:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-24 **Lab ID: 92759244011** Collected: 10/16/24 14:24 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 03:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	10/23/24 14:07	10/24/24 03:27	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	500	328	5		10/28/24 15:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		10/28/24 15:04	994-05-8	
Benzene	**610**	ug/L	25.0	8.7	5		10/28/24 15:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		10/28/24 15:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		10/28/24 15:04	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		10/28/24 15:04	762-75-4	
1,2-Dichloroethane	**37.0**	ug/L	25.0	10.3	5		10/28/24 15:04	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		10/28/24 15:04	108-20-3	
Ethanol	ND	ug/L	1000	720	5		10/28/24 15:04	64-17-5	
Ethylbenzene	**79.6**	ug/L	25.0	9.2	5		10/28/24 15:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		10/28/24 15:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	15.5	5		10/28/24 15:04	1634-04-4	
Naphthalene	**38.2**	ug/L	25.0	10.4	5		10/28/24 15:04	91-20-3	
Toluene	**898**	ug/L	25.0	10.0	5		10/28/24 15:04	108-88-3	
Xylene (Total)	**737**	ug/L	25.0	25.0	5		10/28/24 15:04	1330-20-7	
m&p-Xylene	**480**	ug/L	50.0	20.6	5		10/28/24 15:04	179601-23-1	
o-Xylene	**256**	ug/L	25.0	10.2	5		10/28/24 15:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		5		10/28/24 15:04	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		5		10/28/24 15:04	17060-07-0	
Toluene-d8 (S)	98	%	70-130		5		10/28/24 15:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-25 **Lab ID: 92759244012** Collected: 10/16/24 14:08 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 03:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	10/23/24 14:07	10/24/24 03:37	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 19:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 19:56	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 19:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 19:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 19:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 19:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 19:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 19:56	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 19:56	64-17-5	
Ethylbenzene	**6.0**	ug/L	5.0	1.8	1		10/24/24 19:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 19:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 19:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 19:56	91-20-3	
Toluene	**3.9J**	ug/L	5.0	2.0	1		10/24/24 19:56	108-88-3	
Xylene (Total)	**62.8**	ug/L	5.0	5.0	1		10/24/24 19:56	1330-20-7	
m&p-Xylene	**51.0**	ug/L	10.0	4.1	1		10/24/24 19:56	179601-23-1	
o-Xylene	**11.8**	ug/L	5.0	2.0	1		10/24/24 19:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/24/24 19:56	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		10/24/24 19:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-26 **Lab ID: 92759244013** Collected: 10/16/24 13:52 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0077	1	10/23/24 14:07	10/24/24 03:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	10/23/24 14:07	10/24/24 03:48	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		10/28/24 16:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		10/28/24 16:36	994-05-8	
Benzene	**13800**	ug/L	1250	435	250		10/28/24 16:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		10/28/24 16:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		10/28/24 16:36	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		10/28/24 16:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		10/28/24 16:36	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		10/28/24 16:36	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		10/28/24 16:36	64-17-5	
Ethylbenzene	**1910**	ug/L	1250	460	250		10/28/24 16:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		10/28/24 16:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		10/28/24 16:36	1634-04-4	
Naphthalene	**537J**	ug/L	1250	522	250		10/28/24 16:36	91-20-3	
Toluene	**26600**	ug/L	1250	502	250		10/28/24 16:36	108-88-3	
Xylene (Total)	**9920**	ug/L	1250	1250	250		10/28/24 16:36	1330-20-7	
m&p-Xylene	**6690**	ug/L	2500	1030	250		10/28/24 16:36	179601-23-1	
o-Xylene	**3230**	ug/L	1250	510	250		10/28/24 16:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		250		10/28/24 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		250		10/28/24 16:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		250		10/28/24 16:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-27 **Lab ID: 92759244014** Collected: 10/16/24 12:32 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 03:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	10/23/24 14:07	10/24/24 03:59	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 20:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 20:13	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 20:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 20:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 20:13	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 20:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 20:13	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 20:13	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 20:13	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 20:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 20:13	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 20:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 20:13	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 20:13	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 20:13	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 20:13	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 20:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/24/24 20:13	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		1		10/24/24 20:13	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/24/24 20:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-28 **Lab ID: 92759244015** Collected: 10/16/24 12:50 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0082	1	10/23/24 14:07	10/24/24 04:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	85	%	60-140		1	10/23/24 14:07	10/24/24 04:10	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 20:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 20:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 20:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 20:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 20:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 20:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 20:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 20:31	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 20:31	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 20:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 20:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 20:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 20:31	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 20:31	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 20:31	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 20:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 20:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/24/24 20:31	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/24/24 20:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-29 **Lab ID: 92759244016** Collected: 10/16/24 12:38 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**23.9**	ug/L	1.1	0.40	50	10/23/24 14:07	10/25/24 18:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	10/23/24 14:07	10/25/24 18:48	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	2000	1310	20		10/28/24 15:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	60.8	20		10/28/24 15:59	994-05-8	
Benzene	**2470**	ug/L	100	34.8	20		10/28/24 15:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1080	20		10/28/24 15:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	1820	20		10/28/24 15:59	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	482	20		10/28/24 15:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	41.2	20		10/28/24 15:59	107-06-2	
Diisopropyl ether	ND	ug/L	100	69.8	20		10/28/24 15:59	108-20-3	
Ethanol	ND	ug/L	4000	2880	20		10/28/24 15:59	64-17-5	
Ethylbenzene	**832**	ug/L	100	36.8	20		10/28/24 15:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	169	20		10/28/24 15:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	62.0	20		10/28/24 15:59	1634-04-4	
Naphthalene	**327**	ug/L	100	41.8	20		10/28/24 15:59	91-20-3	
Toluene	**2790**	ug/L	100	40.2	20		10/28/24 15:59	108-88-3	
Xylene (Total)	**4440**	ug/L	100	100	20		10/28/24 15:59	1330-20-7	
m&p-Xylene	**3310**	ug/L	200	82.2	20		10/28/24 15:59	179601-23-1	
o-Xylene	**1120**	ug/L	100	40.8	20		10/28/24 15:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		20		10/28/24 15:59	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		20		10/28/24 15:59	17060-07-0	
Toluene-d8 (S)	99	%	70-130		20		10/28/24 15:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: MW-32 **Lab ID: 92759244017** Collected: 10/16/24 15:25 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 11:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	10/23/24 14:07	10/24/24 11:37	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 20:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 20:49	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 20:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 20:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 20:49	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 20:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 20:49	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 20:49	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 20:49	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 20:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 20:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 20:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 20:49	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 20:49	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 20:49	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 20:49	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 20:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 20:49	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/24/24 20:49	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/24/24 20:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-1 **Lab ID: 92759244018** Collected: 10/16/24 14:50 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**6.7**	ug/L	0.21	0.078	10	10/23/24 14:07	10/25/24 21:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	10/23/24 14:07	10/25/24 21:17	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**678J**	ug/L	1000	656	10		10/28/24 14:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		10/28/24 14:28	994-05-8	
Benzene	**1820**	ug/L	50.0	17.4	10		10/28/24 14:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		10/28/24 14:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	910	10		10/28/24 14:28	75-65-0	
tert-Butyl Formate	ND	ug/L	500	241	10		10/28/24 14:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	20.6	10		10/28/24 14:28	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	34.9	10		10/28/24 14:28	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		10/28/24 14:28	64-17-5	
Ethylbenzene	**22.5J**	ug/L	50.0	18.4	10		10/28/24 14:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		10/28/24 14:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	31.0	10		10/28/24 14:28	1634-04-4	
Naphthalene	**35.1J**	ug/L	50.0	20.9	10		10/28/24 14:28	91-20-3	C8
Toluene	**124**	ug/L	50.0	20.1	10		10/28/24 14:28	108-88-3	
Xylene (Total)	**568**	ug/L	50.0	50.0	10		10/28/24 14:28	1330-20-7	
m&p-Xylene	**421**	ug/L	100	41.1	10		10/28/24 14:28	179601-23-1	
o-Xylene	**147**	ug/L	50.0	20.4	10		10/28/24 14:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		10/28/24 14:28	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		10		10/28/24 14:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		10		10/28/24 14:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-2 **Lab ID: 92759244019** Collected: 10/16/24 15:23 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0082	1	10/23/24 14:07	10/24/24 12:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		1	10/23/24 14:07	10/24/24 12:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	5000	3280	50		10/25/24 01:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	152	50		10/25/24 01:50	994-05-8	
Benzene	**5870**	ug/L	250	87.0	50		10/25/24 01:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2700	50		10/25/24 01:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	4550	50		10/25/24 01:50	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1200	50		10/25/24 01:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	103	50		10/25/24 01:50	107-06-2	
Diisopropyl ether	ND	ug/L	250	174	50		10/25/24 01:50	108-20-3	
Ethanol	ND	ug/L	10000	7200	50		10/25/24 01:50	64-17-5	
Ethylbenzene	**381**	ug/L	250	92.0	50		10/25/24 01:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	423	50		10/25/24 01:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	155	50		10/25/24 01:50	1634-04-4	
Naphthalene	**134J**	ug/L	250	104	50		10/25/24 01:50	91-20-3	
Toluene	**5250**	ug/L	250	100	50		10/25/24 01:50	108-88-3	
Xylene (Total)	**3690**	ug/L	250	250	50		10/25/24 01:50	1330-20-7	
m&p-Xylene	**2570**	ug/L	500	206	50		10/25/24 01:50	179601-23-1	
o-Xylene	**1110**	ug/L	250	102	50		10/25/24 01:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		50		10/25/24 01:50	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		50		10/25/24 01:50	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		10/25/24 01:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-3 **Lab ID: 92759244020** Collected: 10/16/24 15:15 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.78**	ug/L	0.021	0.0080	1	10/23/24 14:07	10/25/24 21:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	10/23/24 14:07	10/25/24 21:38	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	250	164	2.5		10/25/24 00:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	7.6	2.5		10/25/24 00:04	994-05-8	
Benzene	**251**	ug/L	12.5	4.4	2.5		10/25/24 00:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	135	2.5		10/25/24 00:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	228	2.5		10/25/24 00:04	75-65-0	
tert-Butyl Formate	ND	ug/L	125	60.2	2.5		10/25/24 00:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	12.5	5.2	2.5		10/25/24 00:04	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	8.7	2.5		10/25/24 00:04	108-20-3	
Ethanol	ND	ug/L	500	360	2.5		10/25/24 00:04	64-17-5	
Ethylbenzene	ND	ug/L	12.5	4.6	2.5		10/25/24 00:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	21.2	2.5		10/25/24 00:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	12.5	7.8	2.5		10/25/24 00:04	1634-04-4	
Naphthalene	**11.3J**	ug/L	12.5	5.2	2.5		10/25/24 00:04	91-20-3	
Toluene	ND	ug/L	12.5	5.0	2.5		10/25/24 00:04	108-88-3	
Xylene (Total)	**143**	ug/L	12.5	12.5	2.5		10/25/24 00:04	1330-20-7	
m&p-Xylene	**43.8**	ug/L	25.0	10.3	2.5		10/25/24 00:04	179601-23-1	
o-Xylene	**98.8**	ug/L	12.5	5.1	2.5		10/25/24 00:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2.5		10/25/24 00:04	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		2.5		10/25/24 00:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2.5		10/25/24 00:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-4 **Lab ID: 92759244021** Collected: 10/16/24 15:08 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**2.4**	ug/L	0.087	0.033	4	10/23/24 14:07	10/25/24 21:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		4	10/23/24 14:07	10/25/24 21:49	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	1000	656	10		10/28/24 14:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	30.4	10		10/28/24 14:46	994-05-8	
Benzene	**1210**	ug/L	50.0	17.4	10		10/28/24 14:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	539	10		10/28/24 14:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	910	10		10/28/24 14:46	75-65-0	
tert-Butyl Formate	ND	ug/L	500	241	10		10/28/24 14:46	762-75-4	
1,2-Dichloroethane	**24.0J**	ug/L	50.0	20.6	10		10/28/24 14:46	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	34.9	10		10/28/24 14:46	108-20-3	
Ethanol	ND	ug/L	2000	1440	10		10/28/24 14:46	64-17-5	
Ethylbenzene	ND	ug/L	50.0	18.4	10		10/28/24 14:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	84.6	10		10/28/24 14:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	31.0	10		10/28/24 14:46	1634-04-4	
Naphthalene	**40.6J**	ug/L	50.0	20.9	10		10/28/24 14:46	91-20-3	
Toluene	ND	ug/L	50.0	20.1	10		10/28/24 14:46	108-88-3	
Xylene (Total)	**306**	ug/L	50.0	50.0	10		10/28/24 14:46	1330-20-7	
m&p-Xylene	**193**	ug/L	100	41.1	10		10/28/24 14:46	179601-23-1	
o-Xylene	**112**	ug/L	50.0	20.4	10		10/28/24 14:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		10/28/24 14:46	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		10		10/28/24 14:46	17060-07-0	
Toluene-d8 (S)	100	%	70-130		10		10/28/24 14:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-5 **Lab ID: 92759244022** Collected: 10/16/24 15:05 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0078	1	10/23/24 14:07	10/24/24 13:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	10/23/24 14:07	10/24/24 13:03	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 21:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 21:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 21:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 21:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 21:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 21:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 21:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 21:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 21:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 21:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 21:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 21:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 21:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 21:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 21:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 21:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 21:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/24/24 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		10/24/24 21:07	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/24/24 21:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DW-6 **Lab ID: 92759244023** Collected: 10/16/24 15:19 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.068**	ug/L	0.021	0.0080	1	10/23/24 14:07	10/25/24 21:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	10/23/24 14:07	10/25/24 21:59	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 21:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 21:24	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 21:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 21:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 21:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 21:24	762-75-4	
1,2-Dichloroethane	**12.6**	ug/L	5.0	2.1	1		10/24/24 21:24	107-06-2	
Diisopropyl ether	**9.4**	ug/L	5.0	3.5	1		10/24/24 21:24	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 21:24	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 21:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 21:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 21:24	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 21:24	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 21:24	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 21:24	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 21:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 21:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/24/24 21:24	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/24/24 21:24	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/24/24 21:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-1 (83.5) **Lab ID: 92759244024** Collected: 10/16/24 11:15 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 13:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	10/23/24 14:07	10/24/24 13:24	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 21:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 21:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 21:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 21:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 21:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 21:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 21:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 21:42	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 21:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 21:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 21:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 21:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 21:42	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 21:42	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 21:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 21:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 21:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/24/24 21:42	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		1		10/24/24 21:42	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/24/24 21:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-1 (92.5) **Lab ID: 92759244025** Collected: 10/16/24 11:20 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 13:35	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	10/23/24 14:07	10/24/24 13:35	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 22:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 22:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 22:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 22:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 22:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 22:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 22:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 22:00	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 22:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 22:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 22:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 22:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 22:00	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 22:00	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 22:00	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 22:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 22:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/24/24 22:00	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		1		10/24/24 22:00	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/24/24 22:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-1 (102.5) **Lab ID: 92759244026** Collected: 10/16/24 11:25 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 13:45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	10/23/24 14:07	10/24/24 13:45	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 22:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 22:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 22:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 22:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 22:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 22:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 22:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 22:17	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 22:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 22:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 22:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 22:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 22:17	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 22:17	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 22:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 22:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 22:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/24/24 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/24/24 22:17	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/24/24 22:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-1 (112.5) **Lab ID: 92759244027** Collected: 10/16/24 11:30 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0083	1	10/23/24 14:07	10/24/24 13:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	10/23/24 14:07	10/24/24 13:56	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 22:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 22:35	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 22:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 22:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 22:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 22:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 22:35	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 22:35	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 22:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 22:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 22:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 22:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 22:35	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 22:35	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 22:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 22:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 22:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 22:35	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/24/24 22:35	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		10/24/24 22:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-1 (119.5) **Lab ID: 92759244028** Collected: 10/16/24 11:35 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0081	1	10/23/24 14:07	10/24/24 14:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	10/23/24 14:07	10/24/24 14:07	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 22:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 22:53	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 22:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 22:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 22:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 22:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 22:53	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 22:53	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 22:53	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 22:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 22:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 22:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 22:53	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 22:53	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 22:53	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 22:53	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 22:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 22:53	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/24/24 22:53	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/24/24 22:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-2 **Lab ID: 92759244029** Collected: 10/16/24 15:02 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0081	1	10/23/24 14:07	10/24/24 14:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	119	%	60-140		1	10/23/24 14:07	10/24/24 14:17	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 23:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 23:11	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 23:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 23:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 23:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 23:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 23:11	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 23:11	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 23:11	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 23:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 23:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 23:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 23:11	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 23:11	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 23:11	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 23:11	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 23:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/24/24 23:11	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		1		10/24/24 23:11	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/24/24 23:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-3 **Lab ID: 92759244030** Collected: 10/16/24 15:12 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0081	1	10/23/24 14:07	10/24/24 14:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	10/23/24 14:07	10/24/24 14:28	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 23:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 23:28	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 23:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 23:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 23:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 23:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 23:28	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 23:28	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 23:28	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 23:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 23:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 23:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 23:28	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 23:28	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 23:28	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 23:28	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 23:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/24/24 23:28	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/24/24 23:28	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/24/24 23:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DDW-4 **Lab ID: 92759244031** Collected: 10/16/24 15:16 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0083	1	10/23/24 14:07	10/24/24 14:39	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	10/23/24 14:07	10/24/24 14:39	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/24/24 23:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/24/24 23:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/24/24 23:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/24/24 23:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/24/24 23:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/24/24 23:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/24/24 23:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/24/24 23:46	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/24/24 23:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/24/24 23:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/24/24 23:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/24/24 23:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/24/24 23:46	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/24/24 23:46	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/24/24 23:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/24/24 23:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/24/24 23:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/24/24 23:46	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/24/24 23:46	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		10/24/24 23:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: RW-1 **Lab ID: 92759244032** Collected: 10/16/24 13:45 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**507**	ug/L	21.1	7.9	1000	10/23/24 14:07	10/25/24 22:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		1000	10/23/24 14:07	10/25/24 22:10	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		10/25/24 23:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		10/25/24 23:54	994-05-8	
Benzene	**20600**	ug/L	1000	348	200		10/25/24 23:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		10/25/24 23:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		10/25/24 23:54	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		10/25/24 23:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		10/25/24 23:54	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		10/25/24 23:54	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		10/25/24 23:54	64-17-5	
Ethylbenzene	**2530**	ug/L	1000	368	200		10/25/24 23:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		10/25/24 23:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		10/25/24 23:54	1634-04-4	
Naphthalene	**779J**	ug/L	1000	418	200		10/25/24 23:54	91-20-3	
Toluene	**37500**	ug/L	1000	402	200		10/25/24 23:54	108-88-3	
Xylene (Total)	**15800**	ug/L	1000	1000	200		10/25/24 23:54	1330-20-7	
m&p-Xylene	**10800**	ug/L	2000	822	200		10/25/24 23:54	179601-23-1	
o-Xylene	**5020**	ug/L	1000	408	200		10/25/24 23:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		200		10/25/24 23:54	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130		200		10/25/24 23:54	17060-07-0	
Toluene-d8 (S)	98	%	70-130		200		10/25/24 23:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: RW-2 **Lab ID: 92759244033** Collected: 10/16/24 14:30 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.13**	ug/L	0.021	0.0078	1	10/23/24 14:07	10/25/24 22:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	143	%	60-140		1	10/23/24 14:07	10/25/24 22:21	301-79-56	S5
8260 MSV	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	500	328	5		10/27/24 00:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		10/27/24 00:03	994-05-8	
Benzene	ND	ug/L	25.0	8.7	5		10/27/24 00:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		10/27/24 00:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		10/27/24 00:03	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		10/27/24 00:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	10.3	5		10/27/24 00:03	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		10/27/24 00:03	108-20-3	
Ethanol	ND	ug/L	1000	720	5		10/27/24 00:03	64-17-5	
Ethylbenzene	**718**	ug/L	25.0	9.2	5		10/27/24 00:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		10/27/24 00:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	15.5	5		10/27/24 00:03	1634-04-4	
Naphthalene	**412**	ug/L	25.0	10.4	5		10/27/24 00:03	91-20-3	
Toluene	**182**	ug/L	25.0	10.0	5		10/27/24 00:03	108-88-3	
Xylene (Total)	**2190**	ug/L	25.0	25.0	5		10/27/24 00:03	1330-20-7	
m&p-Xylene	**1840**	ug/L	50.0	20.6	5		10/27/24 00:03	179601-23-1	
o-Xylene	**351**	ug/L	25.0	10.2	5		10/27/24 00:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		10/27/24 00:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		5		10/27/24 00:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130		5		10/27/24 00:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: RW-3 **Lab ID: 92759244034** Collected: 10/16/24 14:10 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.27**	ug/L	0.021	0.0078	1	10/23/24 14:07	10/25/24 22:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	10/23/24 14:07	10/25/24 22:31	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		10/25/24 22:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		10/25/24 22:22	994-05-8	
Benzene	**217**	ug/L	200	69.6	40		10/25/24 22:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		10/25/24 22:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		10/25/24 22:22	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		10/25/24 22:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		10/25/24 22:22	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		10/25/24 22:22	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		10/25/24 22:22	64-17-5	
Ethylbenzene	**2840**	ug/L	200	73.6	40		10/25/24 22:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		10/25/24 22:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		10/25/24 22:22	1634-04-4	
Naphthalene	**595**	ug/L	200	83.6	40		10/25/24 22:22	91-20-3	
Toluene	**1560**	ug/L	200	80.4	40		10/25/24 22:22	108-88-3	
Xylene (Total)	**12300**	ug/L	200	200	40		10/25/24 22:22	1330-20-7	
m&p-Xylene	**9810**	ug/L	400	164	40		10/25/24 22:22	179601-23-1	
o-Xylene	**2450**	ug/L	200	81.6	40		10/25/24 22:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		40		10/25/24 22:22	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		40		10/25/24 22:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130		40		10/25/24 22:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: RW-4 **Lab ID: 92759244035** Collected: 10/16/24 14:17 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**1370**	ug/L	42.3	15.9	2000	10/23/24 14:07	10/25/24 22:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		2000	10/23/24 14:07	10/25/24 22:42	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		10/26/24 00:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		10/26/24 00:12	994-05-8	
Benzene	**28900**	ug/L	1000	348	200		10/26/24 00:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		10/26/24 00:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		10/26/24 00:12	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		10/26/24 00:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		10/26/24 00:12	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		10/26/24 00:12	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		10/26/24 00:12	64-17-5	
Ethylbenzene	**2250**	ug/L	1000	368	200		10/26/24 00:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		10/26/24 00:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		10/26/24 00:12	1634-04-4	
Naphthalene	**673J**	ug/L	1000	418	200		10/26/24 00:12	91-20-3	
Toluene	**33500**	ug/L	1000	402	200		10/26/24 00:12	108-88-3	
Xylene (Total)	**13900**	ug/L	1000	1000	200		10/26/24 00:12	1330-20-7	
m&p-Xylene	**9490**	ug/L	2000	822	200		10/26/24 00:12	179601-23-1	
o-Xylene	**4390**	ug/L	1000	408	200		10/26/24 00:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		200		10/26/24 00:12	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		200		10/26/24 00:12	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		10/26/24 00:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: RW-5 **Lab ID: 92759244036** Collected: 10/16/24 14:38 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0081	1	10/23/24 14:07	10/24/24 15:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	135	%	60-140		1	10/23/24 14:07	10/24/24 15:32	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	16400	250		10/28/24 23:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	760	250		10/28/24 23:04	994-05-8	
Benzene	**23400**	ug/L	1250	435	250		10/28/24 23:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13500	250		10/28/24 23:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	22800	250		10/28/24 23:04	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	6020	250		10/28/24 23:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1250	515	250		10/28/24 23:04	107-06-2	
Diisopropyl ether	ND	ug/L	1250	872	250		10/28/24 23:04	108-20-3	
Ethanol	ND	ug/L	50000	36000	250		10/28/24 23:04	64-17-5	
Ethylbenzene	**2390**	ug/L	1250	460	250		10/28/24 23:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	2120	250		10/28/24 23:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1250	775	250		10/28/24 23:04	1634-04-4	
Naphthalene	**796J**	ug/L	1250	522	250		10/28/24 23:04	91-20-3	
Toluene	**35500**	ug/L	1250	502	250		10/28/24 23:04	108-88-3	
Xylene (Total)	**12900**	ug/L	1250	1250	250		10/28/24 23:04	1330-20-7	
m&p-Xylene	**8740**	ug/L	2500	1030	250		10/28/24 23:04	179601-23-1	
o-Xylene	**4160**	ug/L	1250	510	250		10/28/24 23:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		250		10/28/24 23:04	460-00-4	
1,2-Dichloroethane-d4 (S)	86	%	70-130		250		10/28/24 23:04	17060-07-0	
Toluene-d8 (S)	102	%	70-130		250		10/28/24 23:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: EP-4 **Lab ID: 92759244037** Collected: 10/16/24 13:35 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0080	1	10/23/24 14:07	10/24/24 05:14	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	214	%	60-140		1	10/23/24 14:07	10/24/24 05:14	301-79-56	S3
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		10/26/24 22:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		10/26/24 22:14	994-05-8	
Benzene	**264**	ug/L	125	43.5	25		10/26/24 22:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		10/26/24 22:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		10/26/24 22:14	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		10/26/24 22:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		10/26/24 22:14	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		10/26/24 22:14	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		10/26/24 22:14	64-17-5	
Ethylbenzene	**1550**	ug/L	125	46.0	25		10/26/24 22:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		10/26/24 22:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		10/26/24 22:14	1634-04-4	
Naphthalene	**722**	ug/L	125	52.2	25		10/26/24 22:14	91-20-3	
Toluene	**3590**	ug/L	125	50.2	25		10/26/24 22:14	108-88-3	
Xylene (Total)	**8900**	ug/L	125	125	25		10/26/24 22:14	1330-20-7	
m&p-Xylene	**6230**	ug/L	250	103	25		10/26/24 22:14	179601-23-1	
o-Xylene	**2670**	ug/L	125	51.0	25		10/26/24 22:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		25		10/26/24 22:14	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		25		10/26/24 22:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		10/26/24 22:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: EP-12 **Lab ID: 92759244038** Collected: 10/16/24 15:24 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**224**	ug/L	10.4	3.9	500	10/23/24 14:07	10/25/24 18:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	10/23/24 14:07	10/25/24 18:59	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		10/25/24 23:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		10/25/24 23:35	994-05-8	
Benzene	**8280**	ug/L	625	218	125		10/25/24 23:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		10/25/24 23:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		10/25/24 23:35	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		10/25/24 23:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		10/25/24 23:35	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		10/25/24 23:35	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		10/25/24 23:35	64-17-5	
Ethylbenzene	**1140**	ug/L	625	230	125		10/25/24 23:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		10/25/24 23:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		10/25/24 23:35	1634-04-4	
Naphthalene	**753**	ug/L	625	261	125		10/25/24 23:35	91-20-3	
Toluene	**16600**	ug/L	625	251	125		10/25/24 23:35	108-88-3	
Xylene (Total)	**11200**	ug/L	625	625	125		10/25/24 23:35	1330-20-7	
m&p-Xylene	**7610**	ug/L	1250	514	125		10/25/24 23:35	179601-23-1	
o-Xylene	**3570**	ug/L	625	255	125		10/25/24 23:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		125		10/25/24 23:35	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	70-130		125		10/25/24 23:35	17060-07-0	
Toluene-d8 (S)	98	%	70-130		125		10/25/24 23:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: EP-16 **Lab ID: 92759244039** Collected: 10/16/24 15:33 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	10/23/24 14:07	10/24/24 06:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	145	%	60-140		1	10/23/24 14:07	10/24/24 06:08	301-79-56	S3
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		10/26/24 23:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		10/26/24 23:08	994-05-8	
Benzene	**9600**	ug/L	625	218	125		10/26/24 23:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		10/26/24 23:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		10/26/24 23:08	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		10/26/24 23:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		10/26/24 23:08	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		10/26/24 23:08	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		10/26/24 23:08	64-17-5	
Ethylbenzene	**1100**	ug/L	625	230	125		10/26/24 23:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		10/26/24 23:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		10/26/24 23:08	1634-04-4	
Naphthalene	**1050**	ug/L	625	261	125		10/26/24 23:08	91-20-3	
Toluene	**17600**	ug/L	625	251	125		10/26/24 23:08	108-88-3	
Xylene (Total)	**13100**	ug/L	625	625	125		10/26/24 23:08	1330-20-7	
m&p-Xylene	**8760**	ug/L	1250	514	125		10/26/24 23:08	179601-23-1	
o-Xylene	**4330**	ug/L	625	255	125		10/26/24 23:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		125		10/26/24 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		125		10/26/24 23:08	17060-07-0	
Toluene-d8 (S)	98	%	70-130		125		10/26/24 23:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: EP-20 **Lab ID: 92759244040** Collected: 10/16/24 15:18 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0078	1	10/23/24 14:07	10/24/24 06:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	632	%	60-140		1	10/23/24 14:07	10/24/24 06:19	301-79-56	S3
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		10/26/24 23:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		10/26/24 23:27	994-05-8	
Benzene	**14500**	ug/L	1000	348	200		10/26/24 23:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		10/26/24 23:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		10/26/24 23:27	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		10/26/24 23:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		10/26/24 23:27	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		10/26/24 23:27	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		10/26/24 23:27	64-17-5	
Ethylbenzene	**2050**	ug/L	1000	368	200		10/26/24 23:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		10/26/24 23:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		10/26/24 23:27	1634-04-4	
Naphthalene	**2250**	ug/L	1000	418	200		10/26/24 23:27	91-20-3	
Toluene	**30500**	ug/L	1000	402	200		10/26/24 23:27	108-88-3	
Xylene (Total)	**22400**	ug/L	1000	1000	200		10/26/24 23:27	1330-20-7	
m&p-Xylene	**15000**	ug/L	2000	822	200		10/26/24 23:27	179601-23-1	
o-Xylene	**7400**	ug/L	1000	408	200		10/26/24 23:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		10/26/24 23:27	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		200		10/26/24 23:27	17060-07-0	
Toluene-d8 (S)	99	%	70-130		200		10/26/24 23:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: SW-1 **Lab ID: 92759244041** Collected: 10/16/24 13:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0077	1	11/01/24 14:57	11/02/24 00:27	106-93-4	H2
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	11/01/24 14:57	11/02/24 00:27	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/25/24 02:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/25/24 02:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/25/24 02:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/25/24 02:34	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/25/24 02:34	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/25/24 02:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/25/24 02:34	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/25/24 02:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/25/24 02:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/25/24 02:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/25/24 02:34	637-92-3	
Methyl-tert-butyl ether	**1.2**	ug/L	1.0	0.42	1		10/25/24 02:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/25/24 02:34	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/25/24 02:34	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/25/24 02:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/25/24 02:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/25/24 02:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/25/24 02:34	460-00-4	
1,2-Dichloroethane-d4 (S)	83	%	70-130		1		10/25/24 02:34	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		10/25/24 02:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: SW-2 **Lab ID: 92759244042** Collected: 10/16/24 13:10 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0082	1	10/23/24 14:07	10/24/24 06:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	10/23/24 14:07	10/24/24 06:40	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/25/24 06:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/25/24 06:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/25/24 06:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/25/24 06:51	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/25/24 06:51	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/25/24 06:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/25/24 06:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/25/24 06:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/25/24 06:51	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/25/24 06:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/25/24 06:51	637-92-3	
Methyl-tert-butyl ether	**1.3**	ug/L	1.0	0.42	1		10/25/24 06:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/25/24 06:51	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/25/24 06:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/25/24 06:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/25/24 06:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/25/24 06:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/25/24 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	85	%	70-130		1		10/25/24 06:51	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		10/25/24 06:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: SW-3 **Lab ID: 92759244043** Collected: 10/16/24 13:20 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0083	1	10/23/24 14:07	10/24/24 06:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	10/23/24 14:07	10/24/24 06:51	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/25/24 07:09	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/25/24 07:09	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/25/24 07:09	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/25/24 07:09	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/25/24 07:09	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/25/24 07:09	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/25/24 07:09	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/25/24 07:09	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/25/24 07:09	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/25/24 07:09	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/25/24 07:09	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		10/25/24 07:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/25/24 07:09	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/25/24 07:09	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/25/24 07:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/25/24 07:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/25/24 07:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/25/24 07:09	460-00-4	
1,2-Dichloroethane-d4 (S)	81	%	70-130		1		10/25/24 07:09	17060-07-0	
Toluene-d8 (S)	109	%	70-130		1		10/25/24 07:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: SW-4 **Lab ID: 92759244044** Collected: 10/16/24 13:27 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0082	1	10/23/24 14:07	10/24/24 07:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	10/23/24 14:07	10/24/24 07:02	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		10/25/24 07:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		10/25/24 07:28	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		10/25/24 07:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		10/25/24 07:28	624-95-3	v2
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		10/25/24 07:28	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		10/25/24 07:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		10/25/24 07:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		10/25/24 07:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		10/25/24 07:28	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		10/25/24 07:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		10/25/24 07:28	637-92-3	
Methyl-tert-butyl ether	**1.2**	ug/L	1.0	0.42	1		10/25/24 07:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		10/25/24 07:28	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		10/25/24 07:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		10/25/24 07:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		10/25/24 07:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		10/25/24 07:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/25/24 07:28	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-130		1		10/25/24 07:28	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		10/25/24 07:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DUP-1 **Lab ID: 92759244045** Collected: 10/16/24 00:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**178**	ug/L	10.4	3.9	500	10/23/24 14:07	10/25/24 19:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		500	10/23/24 14:07	10/25/24 19:31	301-79-56	S4
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		10/26/24 23:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		10/26/24 23:45	994-05-8	
Benzene	**11300**	ug/L	1000	348	200		10/26/24 23:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		10/26/24 23:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		10/26/24 23:45	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		10/26/24 23:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		10/26/24 23:45	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		10/26/24 23:45	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		10/26/24 23:45	64-17-5	
Ethylbenzene	**1370**	ug/L	1000	368	200		10/26/24 23:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		10/26/24 23:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		10/26/24 23:45	1634-04-4	
Naphthalene	**1260**	ug/L	1000	418	200		10/26/24 23:45	91-20-3	
Toluene	**22300**	ug/L	1000	402	200		10/26/24 23:45	108-88-3	
Xylene (Total)	**13900**	ug/L	1000	1000	200		10/26/24 23:45	1330-20-7	
m&p-Xylene	**9270**	ug/L	2000	822	200		10/26/24 23:45	179601-23-1	
o-Xylene	**4580**	ug/L	1000	408	200		10/26/24 23:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		200		10/26/24 23:45	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		200		10/26/24 23:45	17060-07-0	
Toluene-d8 (S)	98	%	70-130		200		10/26/24 23:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DUP-2 **Lab ID: 92759244046** Collected: 10/16/24 00:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.31**	ug/L	0.021	0.0078	1	10/23/24 14:07	10/25/24 19:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	120	%	60-140		1	10/23/24 14:07	10/25/24 19:42	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		10/28/24 23:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		10/28/24 23:22	994-05-8	
Benzene	**293**	ug/L	200	69.6	40		10/28/24 23:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		10/28/24 23:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		10/28/24 23:22	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		10/28/24 23:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		10/28/24 23:22	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		10/28/24 23:22	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		10/28/24 23:22	64-17-5	
Ethylbenzene	**2360**	ug/L	200	73.6	40		10/28/24 23:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		10/28/24 23:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		10/28/24 23:22	1634-04-4	
Naphthalene	**700**	ug/L	200	83.6	40		10/28/24 23:22	91-20-3	
Toluene	**1580**	ug/L	200	80.4	40		10/28/24 23:22	108-88-3	
Xylene (Total)	**9980**	ug/L	200	200	40		10/28/24 23:22	1330-20-7	
m&p-Xylene	**7990**	ug/L	400	164	40		10/28/24 23:22	179601-23-1	
o-Xylene	**1990**	ug/L	200	81.6	40		10/28/24 23:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		40		10/28/24 23:22	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130		40		10/28/24 23:22	17060-07-0	
Toluene-d8 (S)	108	%	70-130		40		10/28/24 23:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: DUP-3 **Lab ID: 92759244047** Collected: 10/16/24 00:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0078	1	10/23/24 14:07	10/24/24 07:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	155	%	60-140		1	10/23/24 14:07	10/24/24 07:34	301-79-56	S3
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	8200	125		10/26/24 22:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	380	125		10/26/24 22:50	994-05-8	
Benzene	**7470**	ug/L	625	218	125		10/26/24 22:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6740	125		10/26/24 22:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	11400	125		10/26/24 22:50	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3010	125		10/26/24 22:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	625	258	125		10/26/24 22:50	107-06-2	
Diisopropyl ether	ND	ug/L	625	436	125		10/26/24 22:50	108-20-3	
Ethanol	ND	ug/L	25000	18000	125		10/26/24 22:50	64-17-5	
Ethylbenzene	**1050**	ug/L	625	230	125		10/26/24 22:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	1060	125		10/26/24 22:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	625	388	125		10/26/24 22:50	1634-04-4	
Naphthalene	**1250**	ug/L	625	261	125		10/26/24 22:50	91-20-3	
Toluene	**13300**	ug/L	625	251	125		10/26/24 22:50	108-88-3	
Xylene (Total)	**11600**	ug/L	625	625	125		10/26/24 22:50	1330-20-7	
m&p-Xylene	**7830**	ug/L	1250	514	125		10/26/24 22:50	179601-23-1	
o-Xylene	**3760**	ug/L	625	255	125		10/26/24 22:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		125		10/26/24 22:50	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		125		10/26/24 22:50	17060-07-0	
Toluene-d8 (S)	99	%	70-130		125		10/26/24 22:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: FB **Lab ID: 92759244048** Collected: 10/16/24 14:50 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	0.0073	1	11/01/24 14:57	11/02/24 00:59	106-93-4	H2
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	11/01/24 14:57	11/02/24 00:59	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/25/24 14:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/25/24 14:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/25/24 14:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/25/24 14:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/25/24 14:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/25/24 14:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/25/24 14:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/25/24 14:45	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/25/24 14:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/25/24 14:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/25/24 14:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/25/24 14:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/25/24 14:45	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/25/24 14:45	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/25/24 14:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/25/24 14:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/25/24 14:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/25/24 14:45	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		10/25/24 14:45	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		10/25/24 14:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: GAC **Lab ID: 92759244049** Collected: 10/16/24 14:55 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0083	1	10/23/24 14:07	10/24/24 07:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	10/23/24 14:07	10/24/24 07:55	301-79-56	
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/25/24 15:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/25/24 15:58	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/25/24 15:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/25/24 15:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/25/24 15:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/25/24 15:58	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/25/24 15:58	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/25/24 15:58	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/25/24 15:58	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/25/24 15:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/25/24 15:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/25/24 15:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/25/24 15:58	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/25/24 15:58	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/25/24 15:58	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/25/24 15:58	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/25/24 15:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/25/24 15:58	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/25/24 15:58	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		10/25/24 15:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: TB-1 **Lab ID: 92759244050** Collected: 10/16/24 08:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/25/24 15:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/25/24 15:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/25/24 15:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/25/24 15:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/25/24 15:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/25/24 15:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/25/24 15:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/25/24 15:03	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/25/24 15:03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/25/24 15:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/25/24 15:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/25/24 15:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/25/24 15:03	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/25/24 15:03	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/25/24 15:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/25/24 15:03	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/25/24 15:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/25/24 15:03	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130		1		10/25/24 15:03	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/25/24 15:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

ANALYTICAL RESULTS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Sample: TB-2 **Lab ID: 92759244051** Collected: 10/16/24 08:00 Received: 10/18/24 15:43 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		10/25/24 15:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		10/25/24 15:21	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		10/25/24 15:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		10/25/24 15:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		10/25/24 15:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		10/25/24 15:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		10/25/24 15:21	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		10/25/24 15:21	108-20-3	
Ethanol	ND	ug/L	200	144	1		10/25/24 15:21	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		10/25/24 15:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		10/25/24 15:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		10/25/24 15:21	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		10/25/24 15:21	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		10/25/24 15:21	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		10/25/24 15:21	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		10/25/24 15:21	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		10/25/24 15:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/25/24 15:21	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130		1		10/25/24 15:21	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/25/24 15:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 890958
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92759244041

METHOD BLANK: 4587168 Matrix: Water
Associated Lab Samples: 92759244041

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/24/24 16:50	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/24/24 16:50	v2
Benzene	ug/L	ND	1.0	0.34	10/24/24 16:50	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/24/24 16:50	
Ethanol	ug/L	ND	200	72.2	10/24/24 16:50	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/24/24 16:50	
Ethylbenzene	ug/L	ND	1.0	0.30	10/24/24 16:50	
m&p-Xylene	ug/L	ND	2.0	0.71	10/24/24 16:50	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/24/24 16:50	
Naphthalene	ug/L	ND	1.0	0.64	10/24/24 16:50	
o-Xylene	ug/L	ND	1.0	0.34	10/24/24 16:50	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/24/24 16:50	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/24/24 16:50	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/24/24 16:50	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/24/24 16:50	
Toluene	ug/L	ND	1.0	0.48	10/24/24 16:50	
Xylene (Total)	ug/L	ND	1.0	0.34	10/24/24 16:50	
1,2-Dichloroethane-d4 (S)	%	82	70-130		10/24/24 16:50	
4-Bromofluorobenzene (S)	%	97	70-130		10/24/24 16:50	
Toluene-d8 (S)	%	105	70-130		10/24/24 16:50	

LABORATORY CONTROL SAMPLE: 4587169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.4	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	314	79	70-130	v3
Benzene	ug/L	20	20.3	101	70-130	
Diisopropyl ether	ug/L	20	18.1	90	70-130	
Ethanol	ug/L	800	717	90	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.7	87	70-130	
Ethylbenzene	ug/L	20	18.9	94	70-130	
m&p-Xylene	ug/L	40	37.6	94	70-130	
Methyl-tert-butyl ether	ug/L	20	16.9	84	70-130	
Naphthalene	ug/L	20	19.4	97	70-130	
o-Xylene	ug/L	20	19.3	97	70-130	
tert-Amyl Alcohol	ug/L	400	346	87	70-130	
tert-Amylmethyl ether	ug/L	40	36.0	90	70-130	
tert-Butyl Alcohol	ug/L	200	159	80	70-130	v3
tert-Butyl Formate	ug/L	160	142	89	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4587169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.4	92	70-130	
Xylene (Total)	ug/L	60	56.9	95	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4587170

Parameter	Units	92759241007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.1	110	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	281	70	39-157	
Benzene	ug/L	ND	20	24.3	121	70-151	
Diisopropyl ether	ug/L	ND	20	20.8	104	63-144	
Ethanol	ug/L	ND	800	790	99	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	40.5	101	66-137	
Ethylbenzene	ug/L	ND	20	21.0	105	66-153	
m&p-Xylene	ug/L	ND	40	41.7	104	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	19.6	98	54-156	
Naphthalene	ug/L	ND	20	21.2	106	61-148	
o-Xylene	ug/L	ND	20	21.2	106	70-148	
tert-Amyl Alcohol	ug/L	ND	400	392	98	54-153	
tert-Amylmethyl ether	ug/L	ND	40	40.3	101	69-139	
tert-Butyl Alcohol	ug/L	ND	200	248	124	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	4	10-170	M1
Toluene	ug/L	ND	20	22.2	111	59-148	
Xylene (Total)	ug/L	ND	60	62.8	105	63-158	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4587171

Parameter	Units	92759241008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	1.4	1.5	7	30	
Naphthalene	ug/L	ND	0.72J		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4587171

Parameter	Units	92759241008 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	83	88			
4-Bromofluorobenzene (S)	%	97	98			
Toluene-d8 (S)	%	107	108			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891286
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244042, 92759244043, 92759244044

METHOD BLANK: 4588856 Matrix: Water
Associated Lab Samples: 92759244042, 92759244043, 92759244044

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	10/25/24 05:38	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	10/25/24 05:38	v2
Benzene	ug/L	ND	1.0	0.34	10/25/24 05:38	
Diisopropyl ether	ug/L	ND	1.0	0.31	10/25/24 05:38	
Ethanol	ug/L	ND	200	72.2	10/25/24 05:38	v2
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	10/25/24 05:38	
Ethylbenzene	ug/L	ND	1.0	0.30	10/25/24 05:38	
m&p-Xylene	ug/L	ND	2.0	0.71	10/25/24 05:38	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	10/25/24 05:38	
Naphthalene	ug/L	ND	1.0	0.64	10/25/24 05:38	
o-Xylene	ug/L	ND	1.0	0.34	10/25/24 05:38	
tert-Amyl Alcohol	ug/L	ND	100	36.4	10/25/24 05:38	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	10/25/24 05:38	
tert-Butyl Alcohol	ug/L	ND	100	26.8	10/25/24 05:38	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	10/25/24 05:38	
Toluene	ug/L	ND	1.0	0.48	10/25/24 05:38	
Xylene (Total)	ug/L	ND	1.0	0.34	10/25/24 05:38	
1,2-Dichloroethane-d4 (S)	%	82	70-130		10/25/24 05:38	
4-Bromofluorobenzene (S)	%	97	70-130		10/25/24 05:38	
Toluene-d8 (S)	%	104	70-130		10/25/24 05:38	

LABORATORY CONTROL SAMPLE: 4588857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.3	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	284	71	70-130	v3
Benzene	ug/L	20	20.7	104	70-130	
Diisopropyl ether	ug/L	20	17.0	85	70-130	
Ethanol	ug/L	800	675	84	70-130	v3
Ethyl-tert-butyl ether	ug/L	40	32.8	82	70-130	
Ethylbenzene	ug/L	20	18.4	92	70-130	
m&p-Xylene	ug/L	40	37.3	93	70-130	
Methyl-tert-butyl ether	ug/L	20	16.0	80	70-130	
Naphthalene	ug/L	20	19.5	98	70-130	
o-Xylene	ug/L	20	19.3	96	70-130	
tert-Amyl Alcohol	ug/L	400	311	78	70-130	
tert-Amylmethyl ether	ug/L	40	34.1	85	70-130	
tert-Butyl Alcohol	ug/L	200	150	75	70-130	v3
tert-Butyl Formate	ug/L	160	130	81	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4588857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.1	96	70-130	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4588858 4588859

Parameter	Units	92759251001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	23.2	24.7	116	124	70-137	6	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	338	352	84	88	39-157	4	30	
Benzene	ug/L	ND	20	20	25.3	26.5	126	133	70-151	5	30	
Diisopropyl ether	ug/L	ND	20	20	21.2	22.6	106	113	63-144	7	30	
Ethanol	ug/L	ND	800	800	840	890	105	111	39-176	6	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	41.7	45.2	104	113	66-137	8	30	
Ethylbenzene	ug/L	ND	20	20	21.4	22.5	107	112	66-153	5	30	
m&p-Xylene	ug/L	ND	40	40	43.2	44.8	108	112	69-152	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.1	22.2	101	111	54-156	10	30	
Naphthalene	ug/L	ND	20	20	21.1	23.2	105	116	61-148	10	30	
o-Xylene	ug/L	ND	20	20	22.1	22.9	111	115	70-148	4	30	
tert-Amyl Alcohol	ug/L	ND	400	400	380	409	95	102	54-153	7	30	
tert-Amylmethyl ether	ug/L	ND	40	40	40.0	43.8	100	110	69-139	9	30	
tert-Butyl Alcohol	ug/L	ND	200	200	253	263	126	132	43-188	4	30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	6	6	10-170		30	M1
Toluene	ug/L	ND	20	20	22.7	24.4	113	122	59-148	7	30	
Xylene (Total)	ug/L	ND	60	60	65.3	67.7	109	113	63-158	4	30	
1,2-Dichloroethane-d4 (S)	%						96	94	70-130			
4-Bromofluorobenzene (S)	%						100	97	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 890938
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244003, 92759244004, 92759244005, 92759244006, 92759244007, 92759244009, 92759244010

METHOD BLANK: 4586968 Matrix: Water
Associated Lab Samples: 92759244003, 92759244004, 92759244005, 92759244006, 92759244007, 92759244009, 92759244010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/26/24 01:18	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/26/24 01:18	
Benzene	ug/L	ND	5.0	1.7	10/26/24 01:18	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/26/24 01:18	
Ethanol	ug/L	ND	200	144	10/26/24 01:18	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/26/24 01:18	
Ethylbenzene	ug/L	ND	5.0	1.8	10/26/24 01:18	
m&p-Xylene	ug/L	ND	10.0	4.1	10/26/24 01:18	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/26/24 01:18	
Naphthalene	ug/L	ND	5.0	2.1	10/26/24 01:18	
o-Xylene	ug/L	ND	5.0	2.0	10/26/24 01:18	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/26/24 01:18	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/26/24 01:18	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/26/24 01:18	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/26/24 01:18	IK
Toluene	ug/L	ND	5.0	2.0	10/26/24 01:18	
Xylene (Total)	ug/L	ND	5.0	5.0	10/26/24 01:18	
1,2-Dichloroethane-d4 (S)	%	89	70-130		10/26/24 01:18	
4-Bromofluorobenzene (S)	%	95	70-130		10/26/24 01:18	
Toluene-d8 (S)	%	99	70-130		10/26/24 01:18	

LABORATORY CONTROL SAMPLE: 4586969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.1	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	379	95	70-130	
Benzene	ug/L	20	22.2	111	70-130	
Diisopropyl ether	ug/L	20	19.6	98	70-130	
Ethanol	ug/L	800	589	74	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.9	95	70-130	
Ethylbenzene	ug/L	20	20.9	104	70-130	
m&p-Xylene	ug/L	40	42.8	107	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	94	70-130	
Naphthalene	ug/L	20	20.5	103	70-130	
o-Xylene	ug/L	20	22.0	110	70-130	
tert-Amyl Alcohol	ug/L	400	375	94	70-130	
tert-Amylmethyl ether	ug/L	40	40.0	100	70-130	
tert-Butyl Alcohol	ug/L	200	166	83	70-130	
tert-Butyl Formate	ug/L	160	173	108	70-130	IK

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4586969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.1	106	70-130	
Xylene (Total)	ug/L	60	64.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%			85	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4586970

Parameter	Units	92759155006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.7	93	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	429	107	39-157	
Benzene	ug/L	ND	20	22.2	111	70-151	
Diisopropyl ether	ug/L	ND	20	19.1	95	63-144	
Ethanol	ug/L	ND	800	682	85	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	36.0	90	66-137	
Ethylbenzene	ug/L	ND	20	21.6	108	66-153	
m&p-Xylene	ug/L	ND	40	43.7	109	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	18.1	90	54-156	
Naphthalene	ug/L	9.8	20	28.4	93	61-148	
o-Xylene	ug/L	ND	20	22.3	112	70-148	
tert-Amyl Alcohol	ug/L	ND	400	406	102	54-153	
tert-Amylmethyl ether	ug/L	ND	40	38.6	96	69-139	
tert-Butyl Alcohol	ug/L	ND	200	185	93	43-188	
tert-Butyl Formate	ug/L	ND	160	155	97	10-170	IK
Toluene	ug/L	ND	20	21.8	109	59-148	
Xylene (Total)	ug/L	ND	60	66.0	110	63-158	
1,2-Dichloroethane-d4 (S)	%				82	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 4586971

Parameter	Units	92759244004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4586971

Parameter	Units	92759244004 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	IK
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	90	92			
4-Bromofluorobenzene (S)	%	95	97			
Toluene-d8 (S)	%	99	99			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891185
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244012, 92759244014, 92759244015, 92759244017, 92759244019, 92759244020, 92759244022, 92759244023, 92759244024, 92759244025, 92759244026, 92759244027, 92759244028, 92759244029, 92759244030, 92759244031

METHOD BLANK: 4588258
Matrix: Water
Associated Lab Samples: 92759244012, 92759244014, 92759244015, 92759244017, 92759244019, 92759244020, 92759244022, 92759244023, 92759244024, 92759244025, 92759244026, 92759244027, 92759244028, 92759244029, 92759244030, 92759244031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/24/24 15:30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/24/24 15:30	
Benzene	ug/L	ND	5.0	1.7	10/24/24 15:30	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/24/24 15:30	
Ethanol	ug/L	ND	200	144	10/24/24 15:30	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/24/24 15:30	
Ethylbenzene	ug/L	ND	5.0	1.8	10/24/24 15:30	
m&p-Xylene	ug/L	ND	10.0	4.1	10/24/24 15:30	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/24/24 15:30	
Naphthalene	ug/L	ND	5.0	2.1	10/24/24 15:30	
o-Xylene	ug/L	ND	5.0	2.0	10/24/24 15:30	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/24/24 15:30	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/24/24 15:30	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/24/24 15:30	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/24/24 15:30	
Toluene	ug/L	ND	5.0	2.0	10/24/24 15:30	
Xylene (Total)	ug/L	ND	5.0	5.0	10/24/24 15:30	
1,2-Dichloroethane-d4 (S)	%	93	70-130		10/24/24 15:30	
4-Bromofluorobenzene (S)	%	98	70-130		10/24/24 15:30	
Toluene-d8 (S)	%	101	70-130		10/24/24 15:30	

LABORATORY CONTROL SAMPLE: 4588259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	396	99	70-130	
Benzene	ug/L	20	21.2	106	70-130	
Diisopropyl ether	ug/L	20	19.0	95	70-130	
Ethanol	ug/L	800	804	101	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.5	89	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	
m&p-Xylene	ug/L	40	40.5	101	70-130	
Methyl-tert-butyl ether	ug/L	20	18.4	92	70-130	
Naphthalene	ug/L	20	20.1	100	70-130	
o-Xylene	ug/L	20	21.2	106	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4588259

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amyl Alcohol	ug/L	400	382	95	70-130	
tert-Amylmethyl ether	ug/L	40	35.5	89	70-130	
tert-Butyl Alcohol	ug/L	200	165	83	70-130	
tert-Butyl Formate	ug/L	160	152	95	70-130	
Toluene	ug/L	20	19.6	98	70-130	
Xylene (Total)	ug/L	60	61.7	103	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4588260

Parameter	Units	92759244015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.6	98	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	394	98	39-157	
Benzene	ug/L	ND	20	19.5	95	70-151	
Diisopropyl ether	ug/L	ND	20	20.0	100	63-144	
Ethanol	ug/L	ND	800	814	102	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	39.3	98	66-137	
Ethylbenzene	ug/L	ND	20	19.5	98	66-153	
m&p-Xylene	ug/L	ND	40	39.3	98	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	18.9	95	54-156	
Naphthalene	ug/L	ND	20	19.2	96	61-148	
o-Xylene	ug/L	ND	20	19.9	99	70-148	
tert-Amyl Alcohol	ug/L	ND	400	397	99	54-153	
tert-Amylmethyl ether	ug/L	ND	40	37.5	94	69-139	
tert-Butyl Alcohol	ug/L	ND	200	251	126	43-188	
tert-Butyl Formate	ug/L	ND	160	61.0	38	10-170	
Toluene	ug/L	ND	20	18.9	93	59-148	
Xylene (Total)	ug/L	ND	60	59.2	99	63-158	
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4588261

Parameter	Units	92759244017 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4588261

Parameter	Units	92759244017 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	89	104			
4-Bromofluorobenzene (S)	%	100	98			
Toluene-d8 (S)	%	105	99			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891191
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244032, 92759244034, 92759244035, 92759244038, 92759244048, 92759244049, 92759244050, 92759244051

METHOD BLANK: 4588310 Matrix: Water
Associated Lab Samples: 92759244032, 92759244034, 92759244035, 92759244038, 92759244048, 92759244049, 92759244050, 92759244051

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/25/24 14:08	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/25/24 14:08	
Benzene	ug/L	ND	5.0	1.7	10/25/24 14:08	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/25/24 14:08	
Ethanol	ug/L	ND	200	144	10/25/24 14:08	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/25/24 14:08	
Ethylbenzene	ug/L	ND	5.0	1.8	10/25/24 14:08	
m&p-Xylene	ug/L	ND	10.0	4.1	10/25/24 14:08	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/25/24 14:08	
Naphthalene	ug/L	ND	5.0	2.1	10/25/24 14:08	
o-Xylene	ug/L	ND	5.0	2.0	10/25/24 14:08	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/25/24 14:08	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/25/24 14:08	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/25/24 14:08	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/25/24 14:08	
Toluene	ug/L	ND	5.0	2.0	10/25/24 14:08	
Xylene (Total)	ug/L	ND	5.0	5.0	10/25/24 14:08	
1,2-Dichloroethane-d4 (S)	%	90	70-130		10/25/24 14:08	
4-Bromofluorobenzene (S)	%	99	70-130		10/25/24 14:08	
Toluene-d8 (S)	%	100	70-130		10/25/24 14:08	

LABORATORY CONTROL SAMPLE: 4588311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	380	95	70-130	
Benzene	ug/L	20	23.0	115	70-130	
Diisopropyl ether	ug/L	20	20.3	102	70-130	
Ethanol	ug/L	800	804	100	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.3	98	70-130	
Ethylbenzene	ug/L	20	21.5	108	70-130	
m&p-Xylene	ug/L	40	43.7	109	70-130	
Methyl-tert-butyl ether	ug/L	20	19.4	97	70-130	
Naphthalene	ug/L	20	17.3	86	70-130	
o-Xylene	ug/L	20	21.4	107	70-130	
tert-Amyl Alcohol	ug/L	400	406	101	70-130	
tert-Amylmethyl ether	ug/L	40	41.8	104	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4588311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	200	166	83	70-130	
tert-Butyl Formate	ug/L	160	162	101	70-130	
Toluene	ug/L	20	21.9	109	70-130	
Xylene (Total)	ug/L	60	65.1	109	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4588312

Parameter	Units	92759244049 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.6	113	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	426	106	39-157	
Benzene	ug/L	ND	20	23.1	115	70-151	
Diisopropyl ether	ug/L	ND	20	21.7	108	63-144	
Ethanol	ug/L	ND	800	920	115	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	42.5	106	66-137	
Ethylbenzene	ug/L	ND	20	22.7	113	66-153	
m&p-Xylene	ug/L	ND	40	45.3	113	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.3	102	54-156	
Naphthalene	ug/L	ND	20	17.5	87	61-148	
o-Xylene	ug/L	ND	20	22.7	113	70-148	
tert-Amyl Alcohol	ug/L	ND	400	413	103	54-153	
tert-Amylmethyl ether	ug/L	ND	40	41.3	103	69-139	
tert-Butyl Alcohol	ug/L	ND	200	295	147	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	0	10-170	M1
Toluene	ug/L	ND	20	22.1	109	59-148	
Xylene (Total)	ug/L	ND	60	68.0	113	63-158	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4588313

Parameter	Units	92759254003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4588313

Parameter	Units	92759254003 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	185	179	4	30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	93	90			
4-Bromofluorobenzene (S)	%	93	96			
Toluene-d8 (S)	%	100	96			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891635
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244033, 92759244037, 92759244039, 92759244040, 92759244045, 92759244047

METHOD BLANK: 4590732 Matrix: Water
Associated Lab Samples: 92759244033, 92759244037, 92759244039, 92759244040, 92759244045, 92759244047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/26/24 17:23	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/26/24 17:23	
Benzene	ug/L	ND	5.0	1.7	10/26/24 17:23	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/26/24 17:23	
Ethanol	ug/L	ND	200	144	10/26/24 17:23	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/26/24 17:23	
Ethylbenzene	ug/L	ND	5.0	1.8	10/26/24 17:23	
m&p-Xylene	ug/L	ND	10.0	4.1	10/26/24 17:23	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/26/24 17:23	
Naphthalene	ug/L	ND	5.0	2.1	10/26/24 17:23	
o-Xylene	ug/L	ND	5.0	2.0	10/26/24 17:23	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/26/24 17:23	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/26/24 17:23	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/26/24 17:23	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/26/24 17:23	
Toluene	ug/L	ND	5.0	2.0	10/26/24 17:23	
Xylene (Total)	ug/L	ND	5.0	5.0	10/26/24 17:23	
1,2-Dichloroethane-d4 (S)	%	101	70-130		10/26/24 17:23	
4-Bromofluorobenzene (S)	%	96	70-130		10/26/24 17:23	
Toluene-d8 (S)	%	102	70-130		10/26/24 17:23	

LABORATORY CONTROL SAMPLE: 4590733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	378	95	70-130	
Benzene	ug/L	20	20.4	102	70-130	
Diisopropyl ether	ug/L	20	19.1	95	70-130	
Ethanol	ug/L	800	764	95	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.3	93	70-130	
Ethylbenzene	ug/L	20	19.0	95	70-130	
m&p-Xylene	ug/L	40	38.3	96	70-130	
Methyl-tert-butyl ether	ug/L	20	18.8	94	70-130	
Naphthalene	ug/L	20	20.2	101	70-130	
o-Xylene	ug/L	20	20.1	101	70-130	
tert-Amyl Alcohol	ug/L	400	390	98	70-130	
tert-Amylmethyl ether	ug/L	40	37.1	93	70-130	
tert-Butyl Alcohol	ug/L	200	179	89	70-130	
tert-Butyl Formate	ug/L	160	152	95	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4590733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.4	97	70-130	
Xylene (Total)	ug/L	60	58.5	97	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4590735

Parameter	Units	92759254041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	21.0	105	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	375	94	39-157	
Benzene	ug/L	ND	20	23.0	115	70-151	
Diisopropyl ether	ug/L	ND	20	18.8	94	63-144	
Ethanol	ug/L	ND	800	816	102	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	38.9	97	66-137	
Ethylbenzene	ug/L	ND	20	20.6	103	66-153	
m&p-Xylene	ug/L	ND	40	41.8	104	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	18.2	91	54-156	
Naphthalene	ug/L	ND	20	15.0	75	61-148	
o-Xylene	ug/L	ND	20	20.2	101	70-148	
tert-Amyl Alcohol	ug/L	ND	400	389	97	54-153	
tert-Amylmethyl ether	ug/L	ND	40	40.8	102	69-139	
tert-Butyl Alcohol	ug/L	ND	200	254	127	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	0	10-170	M1
Toluene	ug/L	ND	20	20.9	104	59-148	
Xylene (Total)	ug/L	ND	60	62.0	103	63-158	
1,2-Dichloroethane-d4 (S)	%				86	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4590734

Parameter	Units	92759254035 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4590734

Parameter	Units	92759254035 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	93			
4-Bromofluorobenzene (S)	%	96	97			
Toluene-d8 (S)	%	102	98			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891748
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244002, 92759244008, 92759244011, 92759244013, 92759244016, 92759244018, 92759244021

METHOD BLANK: 4591050 Matrix: Water
Associated Lab Samples: 92759244002, 92759244008, 92759244011, 92759244013, 92759244016, 92759244018, 92759244021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/28/24 13:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/28/24 13:15	
Benzene	ug/L	ND	5.0	1.7	10/28/24 13:15	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/28/24 13:15	
Ethanol	ug/L	ND	200	144	10/28/24 13:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/28/24 13:15	
Ethylbenzene	ug/L	ND	5.0	1.8	10/28/24 13:15	
m&p-Xylene	ug/L	ND	10.0	4.1	10/28/24 13:15	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/28/24 13:15	
Naphthalene	ug/L	ND	5.0	2.1	10/28/24 13:15	
o-Xylene	ug/L	ND	5.0	2.0	10/28/24 13:15	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/28/24 13:15	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/28/24 13:15	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/28/24 13:15	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/28/24 13:15	
Toluene	ug/L	ND	5.0	2.0	10/28/24 13:15	
Xylene (Total)	ug/L	ND	5.0	5.0	10/28/24 13:15	
1,2-Dichloroethane-d4 (S)	%	92	70-130		10/28/24 13:15	
4-Bromofluorobenzene (S)	%	98	70-130		10/28/24 13:15	
Toluene-d8 (S)	%	100	70-130		10/28/24 13:15	

LABORATORY CONTROL SAMPLE: 4591051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.9	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	364	91	70-130	
Benzene	ug/L	20	21.2	106	70-130	
Diisopropyl ether	ug/L	20	18.9	95	70-130	
Ethanol	ug/L	800	611	76	70-130	
Ethyl-tert-butyl ether	ug/L	40	38.7	97	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
m&p-Xylene	ug/L	40	39.9	100	70-130	
Methyl-tert-butyl ether	ug/L	20	19.0	95	70-130	
Naphthalene	ug/L	20	16.9	85	70-130	
o-Xylene	ug/L	20	20.4	102	70-130	
tert-Amyl Alcohol	ug/L	400	363	91	70-130	
tert-Amylmethyl ether	ug/L	40	38.8	97	70-130	
tert-Butyl Alcohol	ug/L	200	167	83	70-130	
tert-Butyl Formate	ug/L	160	163	102	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4591051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.9	100	70-130	
Xylene (Total)	ug/L	60	60.3	100	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4591052

Parameter	Units	92759882020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.4	92	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	374	94	39-157	
Benzene	ug/L	ND	20	20.8	104	70-151	
Diisopropyl ether	ug/L	ND	20	19.2	96	63-144	
Ethanol	ug/L	ND	800	704	88	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	35.1	88	66-137	
Ethylbenzene	ug/L	ND	20	18.5	93	66-153	
m&p-Xylene	ug/L	ND	40	37.0	93	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	17.4	87	54-156	
Naphthalene	ug/L	ND	20	17.8	89	61-148	
o-Xylene	ug/L	ND	20	19.2	96	70-148	
tert-Amyl Alcohol	ug/L	ND	400	390	98	54-153	
tert-Amylmethyl ether	ug/L	ND	40	37.5	94	69-139	
tert-Butyl Alcohol	ug/L	ND	200	239	119	43-188	v3
tert-Butyl Formate	ug/L	ND	160	ND	7	10-170	P5
Toluene	ug/L	ND	20	19.0	95	59-148	
Xylene (Total)	ug/L	ND	60	56.2	94	63-158	
1,2-Dichloroethane-d4 (S)	%				91	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4591053

Parameter	Units	92759882025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

SAMPLE DUPLICATE: 4591053

Parameter	Units	92759882025 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	v2
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	87	88			
4-Bromofluorobenzene (S)	%	102	96			
Toluene-d8 (S)	%	98	98			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891780
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244036, 92759244046

METHOD BLANK: 4591178 Matrix: Water
Associated Lab Samples: 92759244036, 92759244046

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/28/24 13:00	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/28/24 13:00	
Benzene	ug/L	ND	5.0	1.7	10/28/24 13:00	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/28/24 13:00	
Ethanol	ug/L	ND	200	144	10/28/24 13:00	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/28/24 13:00	
Ethylbenzene	ug/L	ND	5.0	1.8	10/28/24 13:00	
m&p-Xylene	ug/L	ND	10.0	4.1	10/28/24 13:00	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/28/24 13:00	
Naphthalene	ug/L	ND	5.0	2.1	10/28/24 13:00	
o-Xylene	ug/L	ND	5.0	2.0	10/28/24 13:00	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/28/24 13:00	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/28/24 13:00	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/28/24 13:00	
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/28/24 13:00	
Toluene	ug/L	ND	5.0	2.0	10/28/24 13:00	
Xylene (Total)	ug/L	ND	5.0	5.0	10/28/24 13:00	
1,2-Dichloroethane-d4 (S)	%	88	70-130		10/28/24 13:00	
4-Bromofluorobenzene (S)	%	100	70-130		10/28/24 13:00	
Toluene-d8 (S)	%	107	70-130		10/28/24 13:00	

LABORATORY CONTROL SAMPLE: 4591179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	347	87	70-130	
Benzene	ug/L	20	21.6	108	70-130	
Diisopropyl ether	ug/L	20	19.3	96	70-130	
Ethanol	ug/L	800	774	97	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.3	93	70-130	
Ethylbenzene	ug/L	20	19.7	98	70-130	
m&p-Xylene	ug/L	40	39.2	98	70-130	
Methyl-tert-butyl ether	ug/L	20	17.4	87	70-130	
Naphthalene	ug/L	20	20.3	101	70-130	
o-Xylene	ug/L	20	20.0	100	70-130	
tert-Amyl Alcohol	ug/L	400	360	90	70-130	
tert-Amylmethyl ether	ug/L	40	37.5	94	70-130	
tert-Butyl Alcohol	ug/L	200	169	84	70-130	
tert-Butyl Formate	ug/L	160	157	98	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4591179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.7	98	70-130	
Xylene (Total)	ug/L	60	59.2	99	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4591811 4591812

Parameter	Units	92759254034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	92.7	20	20	121	125	141	160	70-137	3	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	1310	1350	329	337	39-157	2	30	M1
Benzene	ug/L	223	20	20	284	276	307	264	70-151	3	30	M1
Diisopropyl ether	ug/L	ND	20	20	ND	ND	141	141	63-144		30	
Ethanol	ug/L	ND	800	800	ND	ND	151	138	39-176		30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	ND	ND	117	127	66-137		30	
Ethylbenzene	ug/L	191	20	20	236	238	225	238	66-153	1	30	M1
m&p-Xylene	ug/L	1120	40	40	1300	1290	461	433	69-152	1	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	ND	ND	118	127	54-156		30	
Naphthalene	ug/L	25.2J	20	20	74.7	62.6	248	187	61-148	18	30	M1
o-Xylene	ug/L	528	20	20	619	605	457	384	70-148	2	30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	792J	783J	198	196	54-153		30	M1
tert-Amylmethyl ether	ug/L	ND	40	40	34.9J	54.7J	87	137	69-139		30	
tert-Butyl Alcohol	ug/L	ND	200	200	ND	ND	164	165	43-188		30	v3
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	82	86	10-170		30	
Toluene	ug/L	1300	20	20	1230	1220	-321	-395	59-148	1	30	M1
Xylene (Total)	ug/L	1640	60	60	1920	1890	459	416	63-158	1	30	MS
1,2-Dichloroethane-d4 (S)	%						86	87	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						100	98	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 891951
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92759244001

METHOD BLANK: 4591938 Matrix: Water
Associated Lab Samples: 92759244001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	10/29/24 02:26	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	10/29/24 02:26	
Benzene	ug/L	ND	5.0	1.7	10/29/24 02:26	
Diisopropyl ether	ug/L	ND	5.0	3.5	10/29/24 02:26	
Ethanol	ug/L	ND	200	144	10/29/24 02:26	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	10/29/24 02:26	
Ethylbenzene	ug/L	ND	5.0	1.8	10/29/24 02:26	
m&p-Xylene	ug/L	ND	10.0	4.1	10/29/24 02:26	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	10/29/24 02:26	
Naphthalene	ug/L	ND	5.0	2.1	10/29/24 02:26	
o-Xylene	ug/L	ND	5.0	2.0	10/29/24 02:26	
tert-Amyl Alcohol	ug/L	ND	100	65.6	10/29/24 02:26	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	10/29/24 02:26	
tert-Butyl Alcohol	ug/L	ND	100	91.0	10/29/24 02:26	v2
tert-Butyl Formate	ug/L	ND	50.0	24.1	10/29/24 02:26	
Toluene	ug/L	ND	5.0	2.0	10/29/24 02:26	
Xylene (Total)	ug/L	ND	5.0	5.0	10/29/24 02:26	
1,2-Dichloroethane-d4 (S)	%	92	70-130		10/29/24 02:26	
4-Bromofluorobenzene (S)	%	94	70-130		10/29/24 02:26	
Toluene-d8 (S)	%	102	70-130		10/29/24 02:26	

LABORATORY CONTROL SAMPLE: 4591939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.4	87	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	383	96	70-130	
Benzene	ug/L	20	19.2	96	70-130	
Diisopropyl ether	ug/L	20	17.9	89	70-130	
Ethanol	ug/L	800	725	91	70-130	
Ethyl-tert-butyl ether	ug/L	40	33.2	83	70-130	
Ethylbenzene	ug/L	20	18.3	92	70-130	
m&p-Xylene	ug/L	40	38.4	96	70-130	
Methyl-tert-butyl ether	ug/L	20	16.6	83	70-130	
Naphthalene	ug/L	20	18.7	94	70-130	
o-Xylene	ug/L	20	20.2	101	70-130	
tert-Amyl Alcohol	ug/L	400	352	88	70-130	
tert-Amylmethyl ether	ug/L	40	34.6	86	70-130	
tert-Butyl Alcohol	ug/L	200	149	74	70-130	v3
tert-Butyl Formate	ug/L	160	142	89	70-130	

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

LABORATORY CONTROL SAMPLE: 4591939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	17.6	88	70-130	
Xylene (Total)	ug/L	60	58.6	98	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4591940 4591941

Parameter	Units	92759244001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	28.6J	28.7J	143	143	70-137		30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	992J	1000	248	251	39-157		30	M1
Benzene	ug/L	ND	20	20	30.9J	30.1J	155	150	70-151		30	M1
Diisopropyl ether	ug/L	ND	20	20	ND	ND	139	138	63-144		30	
Ethanol	ug/L	ND	800	800	ND	ND	138	142	39-176		30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	ND	ND	130	130	66-137		30	
Ethylbenzene	ug/L	471	20	20	568	553	487	412	66-153	3	30	M1
m&p-Xylene	ug/L	2040	40	40	2330	2280	737	601	69-152	2	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	ND	ND	131	133	54-156		30	
Naphthalene	ug/L	246	20	20	350	354	519	540	61-148	1	30	M1
o-Xylene	ug/L	229	20	20	290	285	304	276	70-148	2	30	M1
tert-Amyl Alcohol	ug/L	ND	400	400	ND	ND	153	159	54-153		30	M1
tert-Amylmethyl ether	ug/L	ND	40	40	53.9J	54.0J	135	135	69-139		30	
tert-Butyl Alcohol	ug/L	ND	200	200	ND	ND	142	145	43-188		30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	94	91	10-170		30	
Toluene	ug/L	ND	20	20	40.9J	39.0J	152	142	59-148		30	M1
Xylene (Total)	ug/L	2270	60	60	2620	2560	593	493	63-158	2	30	MS
1,2-Dichloroethane-d4 (S)	%						94	94	70-130			
4-Bromofluorobenzene (S)	%						98	100	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 890763
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244001, 92759244002, 92759244003, 92759244004, 92759244005, 92759244006, 92759244007, 92759244008, 92759244009, 92759244010, 92759244011, 92759244012, 92759244013, 92759244014, 92759244015, 92759244016

METHOD BLANK: 4585853 Matrix: Water
Associated Lab Samples: 92759244001, 92759244002, 92759244003, 92759244004, 92759244005, 92759244006, 92759244007, 92759244008, 92759244009, 92759244010, 92759244011, 92759244012, 92759244013, 92759244014, 92759244015, 92759244016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	0.0079	10/23/24 23:52	
1-Chloro-2-bromopropane (S)	%	97	60-140		10/23/24 23:52	

LABORATORY CONTROL SAMPLE & LCSD: 4585854 4585855

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.27	0.22	0.25	82	95	60-140	12	20	
1-Chloro-2-bromopropane (S)	%				93	95	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4585856 4585857

Parameter	Units	92759241009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.27	0.27	0.27	0.28	101	105	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						91	94	60-140			

SAMPLE DUPLICATE: 4585858

Parameter	Units	92759241010 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	95	101			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 890764
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244017, 92759244018, 92759244019, 92759244020, 92759244021, 92759244022, 92759244023, 92759244024, 92759244025, 92759244026, 92759244027, 92759244028, 92759244029, 92759244030, 92759244031, 92759244032, 92759244033, 92759244034, 92759244035, 92759244036

METHOD BLANK: 4585859 Matrix: Water
Associated Lab Samples: 92759244017, 92759244018, 92759244019, 92759244020, 92759244021, 92759244022, 92759244023, 92759244024, 92759244025, 92759244026, 92759244027, 92759244028, 92759244029, 92759244030, 92759244031, 92759244032, 92759244033, 92759244034, 92759244035, 92759244036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.022	0.0081	10/24/24 11:05	
1-Chloro-2-bromopropane (S)	%	119	60-140		10/24/24 11:05	

LABORATORY CONTROL SAMPLE & LCSD: 4585860 4585861

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.27	0.31	0.31	115	117	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				118	116	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4585862 4585863

Parameter	Units	92759244017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.27	0.27	0.34	0.38	127	140	60-140	9	20	
1-Chloro-2-bromopropane (S)	%						114	115	60-140			

SAMPLE DUPLICATE: 4585864

Parameter	Units	92759244018 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	6.7	6.8	2	20	
1-Chloro-2-bromopropane (S)	%	0	0			S4

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 890765
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244037, 92759244038, 92759244039, 92759244040, 92759244042, 92759244043, 92759244044, 92759244045, 92759244046, 92759244047, 92759244049

METHOD BLANK: 4585865 Matrix: Water
Associated Lab Samples: 92759244037, 92759244038, 92759244039, 92759244040, 92759244042, 92759244043, 92759244044, 92759244045, 92759244046, 92759244047, 92759244049

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	0.0077	10/24/24 04:42	
1-Chloro-2-bromopropane (S)	%	87	60-140		10/24/24 04:42	

LABORATORY CONTROL SAMPLE & LCSD: 4585866 4585867

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.27	0.27	0.27	99	99	60-140	0	20	
1-Chloro-2-bromopropane (S)	%				88	89	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4585868 4585869

Parameter	Units	92759244037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.46	0.46	175	174	60-140	0	20	M1
1-Chloro-2-bromopropane (S)	%						200	210	60-140			S0

SAMPLE DUPLICATE: 4585870

Parameter	Units	92759244038 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	224	239	6	20	
1-Chloro-2-bromopropane (S)	%	0	0			S4

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA

Project: UST UNKOWN 14324
Pace Project No.: 92759244

QC Batch: 893105
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92759244041, 92759244048

METHOD BLANK: 4597893 Matrix: Water
Associated Lab Samples: 92759244041, 92759244048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0077	11/01/24 23:56	
1-Chloro-2-bromopropane (S)	%	95	60-140		11/01/24 23:56	

LABORATORY CONTROL SAMPLE & LCSD: 4597894 4597895

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	0.23	0.23	92	94	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				90	90	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4597896 4597897

Parameter	Units	92759244041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.25	0.25	100	98	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						95	94	60-140			

SAMPLE DUPLICATE: 4597898

Parameter	Units	92759244048 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	91	83			

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALIFIERS

Project: UST UNKOWN 14324
Pace Project No.: 92759244

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.

ANALYTE QUALIFIERS

C8	Result may be biased high due to carryover from previously analyzed sample.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H2	Extraction or preparation conducted outside EPA method holding time.
IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92759244001	**MW-1**	EPA 8011	890763	EPA 8011	890871
92759244002	**MW-2**	EPA 8011	890763	EPA 8011	890871
92759244003	**MW-4**	EPA 8011	890763	EPA 8011	890871
92759244004	**MW-5**	EPA 8011	890763	EPA 8011	890871
92759244005	**MW-12**	EPA 8011	890763	EPA 8011	890871
92759244006	**MW-13**	EPA 8011	890763	EPA 8011	890871
92759244007	**MW-19R**	EPA 8011	890763	EPA 8011	890871
92759244008	**MW-20**	EPA 8011	890763	EPA 8011	890871
92759244009	**MW-21R**	EPA 8011	890763	EPA 8011	890871
92759244010	**MW-22**	EPA 8011	890763	EPA 8011	890871
92759244011	**MW-24**	EPA 8011	890763	EPA 8011	890871
92759244012	**MW-25**	EPA 8011	890763	EPA 8011	890871
92759244013	**MW-26**	EPA 8011	890763	EPA 8011	890871
92759244014	**MW-27**	EPA 8011	890763	EPA 8011	890871
92759244015	**MW-28**	EPA 8011	890763	EPA 8011	890871
92759244016	**MW-29**	EPA 8011	890763	EPA 8011	890871
92759244017	**MW-32**	EPA 8011	890764	EPA 8011	890873
92759244018	**DW-1**	EPA 8011	890764	EPA 8011	890873
92759244019	**DW-2**	EPA 8011	890764	EPA 8011	890873
92759244020	**DW-3**	EPA 8011	890764	EPA 8011	890873
92759244021	**DW-4**	EPA 8011	890764	EPA 8011	890873
92759244022	**DW-5**	EPA 8011	890764	EPA 8011	890873
92759244023	**DW-6**	EPA 8011	890764	EPA 8011	890873
92759244024	**DDW-1 (83.5)**	EPA 8011	890764	EPA 8011	890873
92759244025	**DDW-1 (92.5)**	EPA 8011	890764	EPA 8011	890873
92759244026	**DDW-1 (102.5)**	EPA 8011	890764	EPA 8011	890873
92759244027	**DDW-1 (112.5)**	EPA 8011	890764	EPA 8011	890873
92759244028	**DDW-1 (119.5)**	EPA 8011	890764	EPA 8011	890873
92759244029	**DDW-2**	EPA 8011	890764	EPA 8011	890873
92759244030	**DDW-3**	EPA 8011	890764	EPA 8011	890873
92759244031	**DDW-4**	EPA 8011	890764	EPA 8011	890873
92759244032	**RW-1**	EPA 8011	890764	EPA 8011	890873
92759244033	**RW-2**	EPA 8011	890764	EPA 8011	890873
92759244034	**RW-3**	EPA 8011	890764	EPA 8011	890873
92759244035	**RW-4**	EPA 8011	890764	EPA 8011	890873
92759244036	**RW-5**	EPA 8011	890764	EPA 8011	890873
92759244037	**EP-4**	EPA 8011	890765	EPA 8011	890872
92759244038	**EP-12**	EPA 8011	890765	EPA 8011	890872
92759244039	**EP-16**	EPA 8011	890765	EPA 8011	890872
92759244040	**EP-20**	EPA 8011	890765	EPA 8011	890872
92759244041	**SW-1**	EPA 8011	893105	EPA 8011	893123
92759244042	**SW-2**	EPA 8011	890765	EPA 8011	890872
92759244043	**SW-3**	EPA 8011	890765	EPA 8011	890872
92759244044	**SW-4**	EPA 8011	890765	EPA 8011	890872
92759244045	**DUP-1**	EPA 8011	890765	EPA 8011	890872
92759244046	**DUP-2**	EPA 8011	890765	EPA 8011	890872
92759244047	**DUP-3**	EPA 8011	890765	EPA 8011	890872

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92759244048	**FB**	EPA 8011	893105	EPA 8011	893123
92759244049	**GAC**	EPA 8011	890765	EPA 8011	890872
92759244041	**SW-1**	EPA 8260D	890958		
92759244042	**SW-2**	EPA 8260D	891286		
92759244043	**SW-3**	EPA 8260D	891286		
92759244044	**SW-4**	EPA 8260D	891286		
92759244001	**MW-1**	EPA 8260D	891951		
92759244002	**MW-2**	EPA 8260D	891748		
92759244003	**MW-4**	EPA 8260D	890938		
92759244004	**MW-5**	EPA 8260D	890938		
92759244005	**MW-12**	EPA 8260D	890938		
92759244006	**MW-13**	EPA 8260D	890938		
92759244007	**MW-19R**	EPA 8260D	890938		
92759244008	**MW-20**	EPA 8260D	891748		
92759244009	**MW-21R**	EPA 8260D	890938		
92759244010	**MW-22**	EPA 8260D	890938		
92759244011	**MW-24**	EPA 8260D	891748		
92759244012	**MW-25**	EPA 8260D	891185		
92759244013	**MW-26**	EPA 8260D	891748		
92759244014	**MW-27**	EPA 8260D	891185		
92759244015	**MW-28**	EPA 8260D	891185		
92759244016	**MW-29**	EPA 8260D	891748		
92759244017	**MW-32**	EPA 8260D	891185		
92759244018	**DW-1**	EPA 8260D	891748		
92759244019	**DW-2**	EPA 8260D	891185		
92759244020	**DW-3**	EPA 8260D	891185		
92759244021	**DW-4**	EPA 8260D	891748		
92759244022	**DW-5**	EPA 8260D	891185		
92759244023	**DW-6**	EPA 8260D	891185		
92759244024	**DDW-1 (83.5)**	EPA 8260D	891185		
92759244025	**DDW-1 (92.5)**	EPA 8260D	891185		
92759244026	**DDW-1 (102.5)**	EPA 8260D	891185		
92759244027	**DDW-1 (112.5)**	EPA 8260D	891185		
92759244028	**DDW-1 (119.5)**	EPA 8260D	891185		
92759244029	**DDW-2**	EPA 8260D	891185		
92759244030	**DDW-3**	EPA 8260D	891185		
92759244031	**DDW-4**	EPA 8260D	891185		
92759244032	**RW-1**	EPA 8260D	891191		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: UST UNKOWN 14324
Pace Project No.: 92759244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92759244033	**RW-2**	EPA 8260D	891635		
92759244034	**RW-3**	EPA 8260D	891191		
92759244035	**RW-4**	EPA 8260D	891191		
92759244036	**RW-5**	EPA 8260D	891780		
92759244037	**EP-4**	EPA 8260D	891635		
92759244038	**EP-12**	EPA 8260D	891191		
92759244039	**EP-16**	EPA 8260D	891635		
92759244040	**EP-20**	EPA 8260D	891635		
92759244045	**DUP-1**	EPA 8260D	891635		
92759244046	**DUP-2**	EPA 8260D	891780		
92759244047	**DUP-3**	EPA 8260D	891635		
92759244048	**FB**	EPA 8260D	891191		
92759244049	**GAC**	EPA 8260D	891191		
92759244050	**TB-1**	EPA 8260D	891191		
92759244051	**TB-2**	EPA 8260D	891191		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Midlands Environmental Consultants

Project #:

WO# : 92759244

92759244

Courier: ☐ Commercial ☐ Fed Ex ☒ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☐ No ☒ N/A

Date/Initials Person Examining Contents: HJB 10/18

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer:

☒ IR Gun ID: 92T074

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.4, 4.3 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.4, 4.3

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☒ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92759244**

PM: BH **Due Date: 10/28/24**
CLIENT: 92-MIDLAND

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1	\				\	\	\	\	\			\		\	\	\	6								\	\			
2	\				\	\	\	\	\			\		\	\	\	6								\	\			
3	\				\	\	\	\	\			\		\	\	\	6								\	\			
4	\				\	\	\	\	\			\		\	\	\	6								\	\			
5	\				\	\	\	\	\			\		\	\	\	6								\	\			
6	\				\	\	\	\	\			\		\	\	\	6								\	\			
7	\				\	\	\	\	\			\		\	\	\	6								\	\			
8	\				\	\	\	\	\			\		\	\	\	6								\	\			
9	\				\	\	\	\	\			\		\	\	\	6								\	\			
10	\				\	\	\	\	\			\		\	\	\	6								\	\			
11	\				\	\	\	\	\			\		\	\	\									\	\			
12	\				\	\	\	\	\			\		\	\	\									\	\			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

2

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1																													
2																	6												
3																	6												
4																	6												
5																	6												
6																	6												
7																	6												
8																													
9																	6												
10																	6												
11																													
12																													

HJB 10/16

HJB 10/16

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # 3

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1																	6												
2																	6												
3																	6												
4																	6												
5																	6												
6																	6												
7																	6												
8																	6												
9																	6												
10																	6												
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

4

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1																	6												
2																	6												
3																	6												
4																	6												
5																	6												
6																	6												
7																	6												
8																	6												
9																	6												
10																	6												
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

5

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpresserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1																	6												
2																	6												
3																	6												
4																	6												
5																	6												
6																	6												
7																	6												
8																	6												
9																	6												
10																	6												
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

6

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Midlands Environmental Consultants Profile/EZ (Circle one) 836 Notes Line 1

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH													
1																	6													
2																	2													
3																	2													
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions 92759244

Company Name:	Midlands Environmental Consultants, Inc.	Contact/Report To:	Bryan T. Shane, P.G.
Street Address:	231 Dooley Road, Lexington, SC 29073	Phone #:	803-808-2043
		E-Mail:	jlc@meci.net
		Cc E-Mail:	
Customer Project #:			
Project Name:	JST Unknown 14324	Invoice To:	Lynn Shane
		Invoice E-Mail:	lshane@meci.net
Site Collection Info/Facility ID (as applicable):	519 East North 1st St, Seneca JST: 14324	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	SOUTH CAROLINA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 6 6 6 6 6 3 6

Identify Container Preservative Type***: 4 4 4 8 4 2 4

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	BTEXNM, DCA, OXY'S 8260D	EDB 8011	BTEXNM, DCA 524.2	EDB 504.1	OXYGENATES 8260D LOW LEVEL	LEAD 6010	BTEXNM, DCA, OXY'S 8260D LOW LEVEL	Sample Comment	Preservation non-conformance identified for sample.
MW-1	G	GW	10/16/24	14:05			6			X	X						under FPP	001
MW-2	G	GW	10/16/24	13:43			6			X	X						Strong odor	002
MW-4	G	GW	10/16/24	14:40			6			X	X						Slight odor	003
MW-5	G	GW	10/16/24	15:30			6			X	X						no odor	004
MW-12	G	GW	10/16/24		4 15:05		6			X	X						Odor	005
MW-13	G	GW	10/16/24		4 14:58		6			X	X						Odor	006
MW-19R	G	GW	10/16/24		4 12:27		6			X	X						Slight odor	007
MW-20	G	GW	10/16/24	13:22			6			X	X						Slight odor	008
MW-21R	G	GW	10/16/24	15:12			6			X	X						no odor	009
MW-22	G	GW	10/16/24	13:43			6			X	X						Odor	010

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace®: Report (J) Values:

Collected By: (Printed Name) Troy Douglas

Signature: Troy Douglas

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/18/24 1015	Erick Reynoso/Pace	10-18-24 1015	
Erick Reynoso/Pace	10-18-24 1543	HSB Pace HVL	10/18/24 1543	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 1 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Midlands Environmental Consultants, Inc.	Contact/Report To:	Bryan T. Shane, P.G.
Street Address:	231 Dooley Road, Lexington, SC 29073	Phone #:	803-808-2043
		E-Mail:	jlc@meci.net
		Cc E-Mail:	
Customer Project #:			
Project Name:	UST Unknown 14324	Invoice To:	Lynn Shane
		Invoice E-Mail:	lshane@meci.net
Site Collection Info/Facility ID (as applicable):	519 East North 1st St., Seneca UST 14324	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	SOUTH CAROLINA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 6 6 6 6 6 3 6

Identify Container Preservative Type***: 4 4 4 8 4 2 4

Analysis Requested: BTEXNM, DCA, OXY'S 8260D | EDB 8011 | BTEXNM, DCA 524.2 | EDB 504.1 | OXYGENATES 8260D LOW LEVEL | LEAD 6010 | BTEXNM, DCA, OXY'S 8260D LOW LEVEL

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment	Preservation non-conformance identified for sample.
MW-23										DNS	
MW-24	GW	GW	10/16/24	~ 14:24			6			odor	DN
MW-25	GW	GW	10/16/24	14:06			6			no odor	DN2
MW-26	GW	GW	10/16/24	13:52			6			Slight odor	DN3
MW-27	"	"	"	12:32			6			no odor	DN4
MW-28	"	"	"	12:50			6			no odor	DN5
MW-29	"	"	"	12:38			6			slight odor	DN6
MW-31										DNS	
MW-32	GW	GW	10/16/24	15:25			6			no odor	DN7
DW-1	GW	GW	10/16/24	14:50			6			odor	DN8

Additional Instructions from Pace®: Report (J) Values!

Collected By: (Printed Name) Troy Douglas

Signature: Troy Douglas

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Relinquished by/Company: (Signature)	10/18/24 1015	Received by/Company: (Signature) Eric Hoerner/Pace	10-18-24 1015	
Relinquished by/Company: (Signature) Eric Hoerner/Pace	10-18-24 1535	Received by/Company: (Signature) HJB Pace HVL	10/16/24 1545	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Midlands Environmental Consultants, Inc.
Street Address:	231 Dooley Road, Lexington, SC 29073
Customer Project #:	
Project Name:	UST Unknown 14324
Site Collection Info/Facility ID (as applicable):	519 East North 1st St, Seneca UST: 14324
Contact/Report To:	Bryan T. Shane, P.G.
Phone #:	803-808-2043
E-Mail:	jlc@meci.net
Cc E-Mail:	
Invoice To:	Lynn Shane
Invoice E-Mail:	lshane@meci.net
Purchase Order # (if applicable):	
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): SOUTH CAROLINA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Specify Container Size **	Identify Container Preservative Type***	Analysis Requested	Sample Comment	Preservation non-conformance identified for sample.
												BTEXNM, DCA, OXY'S 8260D; EDB 8011; BTEXNM, DCA 524.2; EDB 504.1; OXYGENATES 8260D LOW LEVEL; LEAD 6010; BTEXNM, DCA, OXY'S 8260D LOW LEVEL		
DW-2	GW	G	10/16	15:23			6			6	4	X X	Slight odor	019
DW-3				15:15									no odor	020
DW-4				15:08									Slight odor	021
DW-5				15:05									no odor	022
DW-6				15:19									no odor	023
DDW-1(83.5)	GW	G	10/16/24	11:15			6			6	4	X X	No odor	024
DDW-1(92.5)	GW	G	10/16/24	11:20			6			6	4	X X	No odor	025
DDW-1(102.5)	GW	G	10/16/24	11:25			6			6	4	X X	No odor	026
DDW-1(112.5)	GW	G	10/16/24	11:30			6			6	4	X X	No odor	027
DDW-1(119.5)	GW	G	10/16/24	11:35			6			6	4	X X	No odor	028

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Additional Instructions from Pace®: Report DW values

Collected By: (Printed Name) Troy Douglas

Signature: Troy Douglas

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/18/24 1015	Erick Hernandez/Pace	10-18-24 1015	
Erick Hernandez/Pace	10-18-24 1535	HJB Pace HVL	10/18/24 1543	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Midlands Environmental Consultants, Inc.	Contact/Report To:	Bryan T. Shane, P.G.
Street Address:	231 Dooley Road, Lexington, SC 29073	Phone #:	803-808-2043
		E-Mail:	jlc@meci.net
		Cc E-Mail:	
Customer Project #:			
Project Name:	UST Unknown 14324	Invoice To:	Lynn Shane
		Invoice E-Mail:	lshane@meci.net
Site Collection Info/Facility ID (as applicable):	519 East North 1st St, Seneca UST: 14324	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	SOUTH CAROLINA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	BTEXNM, DCA, OXY'S 8260D	EDB 8011	BTEXNM, DCA 524.2	EDB 504.1	OXYGENATES 8260D LOW LEVEL	LEAD 6010	BTEXNM, DCA, OXY'S 8260D LOW LEVEL	Sample Comment
							6			6	6	6	6	6	3	6	
							4			4	4	4	8	4	2	4	
DDW-2	GW	G	10/16	15:02			6			X	X						no odor 029
DDW-3	"	"	"	15:12			"			"	"						no odor 030
DDW-4	"	"	"	15:16			"			"	"						no odor 031
RW-1	"	"	"	13:45			"			"	"						under FPP 032
RW-2	"	"	"	14:30			"			"	"						Strong odor 033
RW-3	"	"	"	14:10			"			"	"						under FPP 034
RW-4	"	"	"	14:17			"			"	"						under FPP 035
RW-5	GW	G	10/16/24	14:38			6			X	X						samples under FPP 036
EP-4	"	"	"	13:35			"			"	"						under FPP 037
EP-12	GW	G	10/16/24	15:24			6			X	X						Strong odor 038

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO_3, (3) H_2SO_4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) $NaHSO_4$, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Additional Instructions from Pace®: Report LJ Values

Collected By: (Printed Name) Troy Douglas

Signature: Troy Douglas

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/18/24 1015	Erick Stevens/Pace	10-18-24 1015	
Erick Stevens/Pace	10-18-24 1555	HJB Pace HVL	10/18/24 1543	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Midlands Environmental Consultants, Inc.	Contact/Report To:	Bryan T. Shane, P.G.
Street Address:	231 Dooley Road, Lexington, SC 29073	Phone #:	803-808-2043
		E-Mail:	jlc@meci.net
		Cc E-Mail:	
Customer Project #:			
Project Name:	UST Unknown 14324	Invoice To:	Lynn Shane
		Invoice E-Mail:	lshane@meci.net
Site Collection Info/Facility ID (as applicable):	519 East North 1st St./Seneca UST: 14324	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	SOUTH CAROLINA
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No		
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____	DW PWSID # or WW Permit # as applicable:	
	Date Results Requested:	Field Filtered (if applicable): [ ] Yes [ ] No	Analysis:

Specify Container Size **: 6 6 6 6 6 3 6

Identify Container Preservative Type***: 4 4 4 8 4 2 4

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	BTEXNM, DCA, OXY'S 8260D	EDB 8011	BTEXNM, DCA 524.2	EDB 504.1	OXYGENATES 8260D LOW LEVEL	LEAD 6010	BTEXNM, DCA, OXY'S 8260D LOW LEVEL	Sample Comment	Preservation non-conformance identified for sample.
EP-16	GW	G	10/16	15:33			6			X	X						slight odor	039
EP-20	GW	G	10/16/24	15:18			6			X	X						Strong odor	040
SW-1	"	"	"	13:00			6				X					X		041
SW-2				13:10			6				X					X		042
SW-3				13:20			6				X					X		043
SW-4				13:27			6				X					X		044
Dup-1	GW	G	10/16/24	[illegible]			6			X	X						Strong odor	045
Dup-2	"	"	"	[illegible]			6			X	X						under FPP	046
Dup-3				[illegible]			6			X	X						slight odor	047
FB				14:50			6			X	X							048

Additional Instructions from Pace®: Report J values

Collected By: (Printed Name) Troy Douglas

Signature: Troy Douglas

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/18/24 1015	Erick Hernandez/Pace	10-18-24 1015	
Erick Hernandez/Pace	10-18-24 1535	HJB Pace HVL	10/18/24 1543	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 5 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Midlands Environmental Consultants, Inc.	Contact/Report To:	Bryan T. Shane, P.G.
Street Address:	231 Dooley Road, Lexington, SC 29073	Phone #:	803-808-2043
		E-Mail:	jlc@meci.net
		Cc E-Mail:	
Customer Project #:			
Project Name:	UST Unknown 14324	Invoice To:	Lynn Shane
		Invoice E-Mail:	lshane@meci.net
Site Collection Info/Facility ID (as applicable):	519 East North 1st St., Seneca UST: 14324	Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	SOUTH CAROLINA

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	BTEXNM, DCA, OXY'S 8260D	EDB 8011	BTEXNM, DCA 524.2	EDB 504.1	OXYGENATES 8260D LOW LEVEL	LEAD 6010	BTEXNM, DCA, OXY'S 8260D LOW LEVEL	Sample Comment
							Specify Container Size **			6	6	6	6	6	3	6	
							Identify Container Preservative Type***			4	4	4	8	4	2	4	
GAC	GW	G	10/16	14:55			6			X	X						049
TB-1			10/16/24	8:00			2			X							050
TB-2			10/16/24	8:00			2			X							051

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®: Report J(I) Values

Collected By: (Printed Name) Hunter Sloan

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	10/18/24 1015	Erick Hawkins/Pace	10-18-24 1015	
Erick Hawkins/Pace	10-18-24 1535	HJB Pace HVL	10/18/24 1543	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
				Page: 6 of 6

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

APPENDIX C:

TAX MAP

(Not Applicable)

APPENDIX D:

SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS

(Not Applicable)

APPENDIX E:

WELL COMPLETION LOGS & 1903 FORMS

(Not Applicable)

APPENDIX F:

AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS

(Not Applicable)

APPENDIX G:

DISPOSAL MANIFEST

Midlands Environmental Consultants, Inc.

November 6, 2024

Re: Treatment of Purge Water
UST – Unknown 14324
Seneca, South Carolina
Oconee County
UST Permit# 14324
MECI Project# 24-8321

To Whom it May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDES must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 80 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

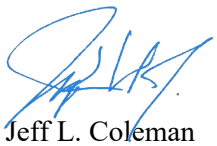
Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

On October 16, 2024, a total of 179.25 gallons were treated at the referenced site during the comprehensive groundwater sampling event.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist

APPENDIX H:

LOCAL ZONING REGULATIONS

(Not Applicable)

APPENDIX I:

FATE AND TRANSPORT MODELING

(Not Applicable)

APPENDIX J:

ACCESS AGREEMENTS

(Not Applicable)

APPENDIX K:

DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the SCDES Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?	X		
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?	X		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? (Table 2 & Figure 4/4A/4B)	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format?			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format? (Table 1)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figures 3, 3A, 3B)	X		
40	Has the site potentiometric map been provided? (Figure 4, 4A, 4B)	X		
41	Have the geologic cross-sections been provided?			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDES Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		

APPENDIX L:

DETAILED RECEPTOR INFORMATION



Permit#-Receptor Name: (14324-SW01)
Parcel ID: 520-24-04-022
Property Owner Name: Wayne & Brenda Frady
Property Owner Address: 430 E North 5th Street, Seneca, SC 29678
SW Details: Sample collected from creek located approximately 900' north/northeast of the site. GPS- 34.689108, -82.946114



Permit#-Receptor Name: (14324-SW02)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 750' north/northeast of the site. GPS- 34.688505, -82.945634



Permit#-Receptor Name: (14324-SW03)
Parcel ID: 520-30-02-017
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 650' northeast of the site. GPS- 34.688169, -82.945495



Permit#-Receptor Name: (14324-SW04)
Parcel ID: 520-30-02-006
Property Owner Name: Deborah S. Manley
Property Owner Address: 55 Meadow Crest Road, Tryon, NC 28782
SW Details: Sample collected from creek located approximately 600' east of the site. GPS- 34.687784, -82.945225

APPENDIX M:

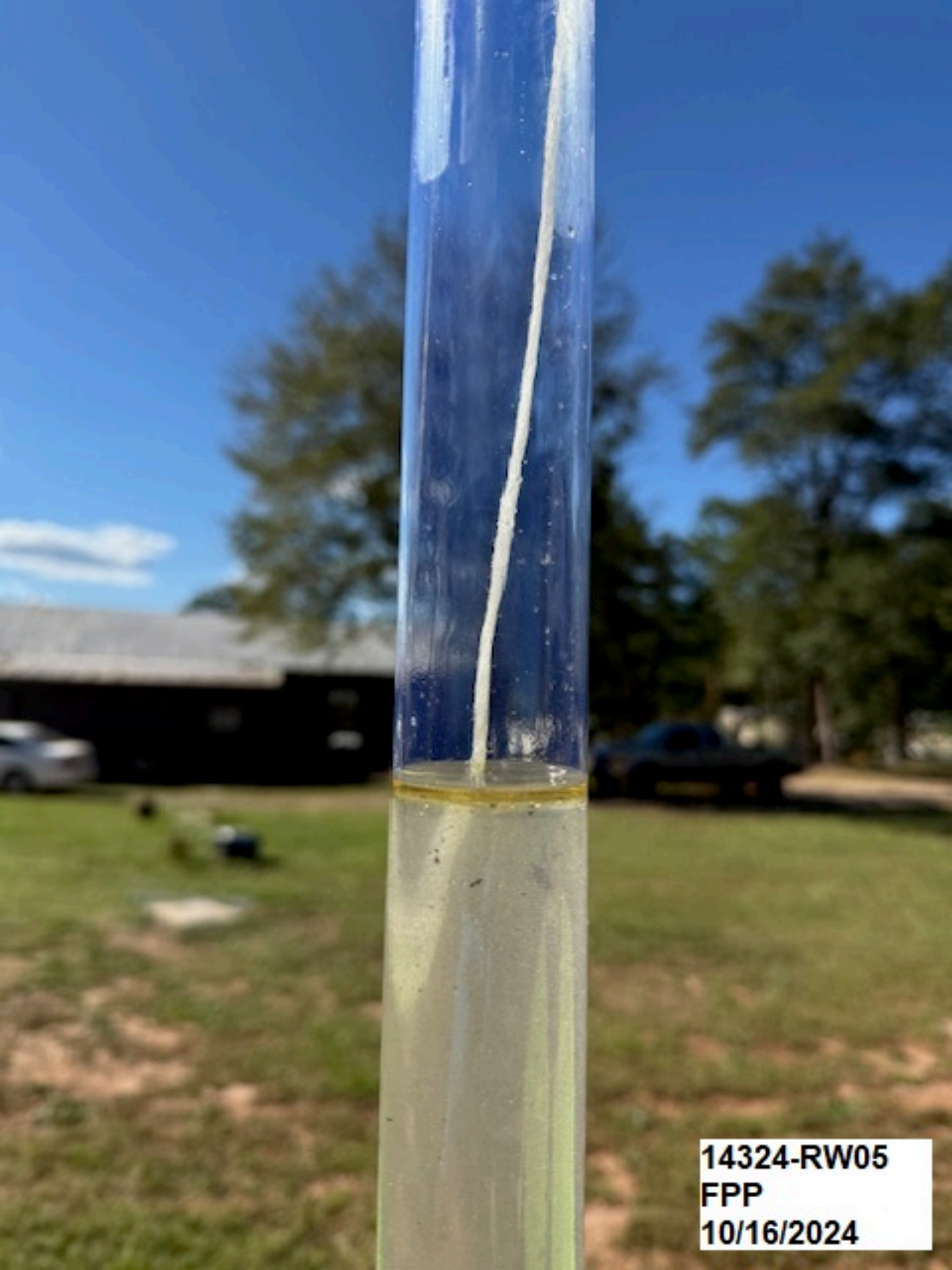
PHOTOS


14324-MW01
FPP
10/16/2024


H.OIL
HERON
14324-RW01
FPP
10/16/2024


14324-RW03
FPP
10/16/2024


14324-RW04
FPP
10/16/2024


14324-RW05
FPP
10/16/2024


14324-EP04
FPP
10/16/2024

Outlook

RE: UST Permit# 14324 UST-Unknown (Oconee County)

From jlc@meci.net <jlc@meci.net>
Date Wed 12/18/2024 11:55 AM
To Stephanie M. Briney <Stephanie.Briney@des.sc.gov>

1 attachment (2 MB)
14324_Disposal.pdf;



Stephanie,

Please see the attached disposal manifest. It appears that I still had some spent socks drummed at my office, so I had to go by landfill today. They were weighed , but not disposed. My apologies.

The first disposal is for 6.96 lbs. and the second is for 6.07 lbs.

Let me know if you need anything else.

Thanks,

Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net

From: Stephanie M. Briney <Stephanie.Briney@des.sc.gov>
Sent: Tuesday, December 17, 2024 3:31 PM
To: jlc <jlc@meci.net>
Subject: UST Permit# 14324 UST-Unknown (Oconee County)

Jeff,

I was reviewing your report and invoice for this site and I didn't see the disposal manifest for the absorbent sock disposal. I think it was suppose to be in appendix G but all I see if the disposal from the

gw sampling event. Can you email me a copy of the disposal manifest for the socks and I will get it scanned into our file? thanks!

Stephanie Briney, Manager
Corrective Action and Field Support
UST Management Division

Bureau of Land and Waste Management
O: 803-898-0595
C: 803-608-0455
Stephanie.Briney@des.sc.gov
DES.SC.gov

SC DEPARTMENT of ENVIRONMENTAL SERVICES

On July 1, 2024, the S.C. Department of Health & Environmental Control (DHEC) will become two separate agencies: S. C. Department of Environmental Services (SCDES) and S.C. Department of Public Health (DPH). My old DHEC email address will still be directed to me for the time being, but please make note of my new contact information in my email signature beginning July 1.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST | 1. Generator's US EPA ID No. | Manifest Doc No. | 2. Page 1 of

3. Generator's Mailing Address:
MIDLANDS ENVIRONMENTAL
CONSULTANTS, INC.
231 DOOLEY ROAD
LEXINGTON, SC 29073
4. Generator's Phone 803-808-2042 X2

Generator's Site Address (If different than mailing):
MECI
231 Dooley Rd
Lexington, SC 29073

A. Manifest Number

B. State Generator's ID

5. Transporter 1 Company Name | **6. US EPA ID Number** | **C. State Transporter's ID** | **D. Transporter's Phone**

7. Transporter 2 Company Name | **8. US EPA ID Number** | **E. State Transporter's ID** | **F. Transporter's Phone**

9. Designated Facility Name and Site Address
RICHLAND COUNTY LANDFILL, INC.
1047 HIGHWAY CHURCH ROAD
ELGIN, SC 29045

10. US EPA ID Number

G. State Facility ID 402401-1101
H. State Facility Phone 803-744-3373

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a NON-HAZ GAS AND DIESEL CONTAMINATED SOIL WM Profile # VA2718					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
- Mahant Swami Socks (5.24 lbs) - Spent Carbon
- Bja Attman Socks (4.04 lbs) - Clamps Socks
- Sonoco Products Socks - UST Unknown 14324 Socks (6.96 pounds)

Purchase Order # | **EMERGENCY CONTACT / PHONE NO.:**

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Hunter Sloan		7	17	2024

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Hunter Sloan		7	17	2024

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Kenneth Robbins		7	17	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY | Blue- GENERATOR #2 COPY | Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY | Gold- TRANSPORTER #1 COPY

WASTE MANAGEMENT

Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Original
Ticket# 2059964

Customer Name MIDLANDSENVIRON MIDLANDS ENVI
Ticket Date 07/17/2024
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 0
Destination
PO
Profile VA2718 (SOIL FROM UST ASSESSMENT(WM012A))
Generator 126-MIDLANDSENV-1971 MIDLANDS ENVIRONMENTAL CONSULTANTS

Carrier MIDLANDSENVIRON MIDLANDS ENVIRONMENT
Vehicle# 2
Container
Driver
Check#
Billing # 0000469
Gen EPA ID NR

Grid

Volume

	Time	Scale	Operator	Inbound
In	07/17/2024 11:10:28	Inbound #2	kennyl	
Out	07/17/2024 11:40:00	Outbound	RFoster5	

Gross	10820 lb
Tare	8640 lb
Net	2180 lb
Tons	1.09

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	SOIL-Cont. Soil -	100	1.09	Tons				16-DARLING
2	ENERGY-Energy Surc	100		%				16-DARLING
3	WWM-P-Waste Water	100		%				16-DARLING

Total Tax
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	

3. Generator's Mailing Address:
MIDLANDS ENVIRONMENTAL
CONSULTANTS, INC.
231 DOOLEY ROAD
LEXINGTON, SC 29073
4. Generator's Phone 803-808-2042 X2

Generator's Site Address (if different than mailing):
231 Dooley Rd
Lexington, SC 29073
MECI Office

A. Manifest Number

B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone
9. Designated Facility Name and Site Address RICHLAND COUNTY LANDFILL, INC. 1047 HIGHWAY CHURCH ROAD ELGIN, SC 29045	10. US EPA ID Number	G. State Facility ID 402401-1101 H. State Facility Phone 803-744-3373

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a NON-HAZ GAS AND DIESEL CONTAMINATED SOIL ; Non-Haz Petroleum Socks, Concrete, PVC WM Profile # VA2718					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
-Sonoco Products Socks Greenwave Amoco Socks
-UST Unknown 14324 Socks (6.7%) Clamps Socks

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Hunter Sloan	HSlv	12	18	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Hunter Sloan	HSlv	12	18	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Kenneth Robbins		12	18	24

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

WASTE MANAGEMENT

Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Original
Ticket# 2091876

Customer Name MIDLANDSENVIRON MIDLANDS ENVI
Ticket Date 12/18/2024
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 0
Destination
PO
Profile VA2718 (SOIL FROM UST ASSESSMENT(WM012A))
Generator 126-MIDLANDSENV-1971 MIDLANDS ENVIRONMENTAL CONSULTANTS

Carrier MIDLANDSENVIRON MIDLANDS ENVIRONMENT
Vehicle# 1
Container
Driver
Check#
Billing # 0000469
Gen EPA ID NR
Volume

	Time	Scale	ScaleMaster
In	12/18/2024 09:52:29	Inbound #1	kenny1
Out	12/18/2024 10:07:48	Outbound	kenny1

Gross	7940 lb
Tare	7720 lb
Net	220 lb
Tons	0.11

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	SOIL-Cont. Soil -	100	0.11	Tons				32-LEXINGT
2	ENERGY-Energy Surc	100		%				32-LEXINGT
3	WWM-P-Waste Water	100		%				32-LEXINGT

Total Fees
Total Ticket

Driver`s Signature

Midlands
Environmental
Consultants, Inc.

January 9, 2025

RECEIVED
JAN 23 2025
UST DIVISION

Ms. Corie White, Hydrogeologist
Corrective Action Section & Field Support
South Carolina Department of Environmental Services
Bureau of Underground Storage Tank Management
2600 Bull Street
Columbia, South Carolina 29201

UST
DOCKETING

Subject: Limited Corrective Action Plan (Surfactant Enhanced AFVR Event)
UST Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. White,

On behalf of the Ms. Betty Lathem (Trustee), Midlands Environmental Consultants, Inc. (MECI) is pleased to submit the attached Limited Corrective Action Plan (CAP) for the referenced site. This plan describes our proposed approach for site rehabilitative measures in general accordance with South Carolina Department of Environmental Services (SCDES) guidelines.

Midlands Environmental appreciates the opportunity to offer our professional environmental related services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

Bryan T. Shane, P.G.
Principal Geologist

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

1.1 SITE INFORMATION 1
1.2 RELEASE INVESTIGATION HISTORY 1
1.3 PURPOSE OF CAP 2

2.0 REMEDIATION TECHNOLOGY **2**

3.0 DESIGN AND OPERATION PROPOSED REMEDIAL APPROACH **3**

3.1 SURFACTANT-ENHANCED INJECTION/EXTRACTION EVENTS 3
3.2 GROUNDWATER GAUGING 4
3.3 GROUNDWATER SAMPLING EVENTS 4

4.0 SITE MONITORING AND SYSTEM EVALUATION **5**

FIGURES: Figure 1 – TOPOGRAPHIC MAP
Figure 2 – SITE BASE MAP
Figure 3 – GROUNDWATER COC SITE MAP
Figure 3A – GROUNDWATER COC SITE MAP (OXYGENATES)
Figure 4 – POTENTIOMETRIC DATA SITE MAP (GROUNDWATER CONTOUR)

APPENDIX A – SITE SPECIFIC WORK PLAN & COST PROPOSAL
APPENDIX B – HISTORICAL POTENTIOMETRIC DATA

1.0 INTRODUCTION

Midlands Environmental Consultants, Inc. (MECI) has prepared this Limited Corrective Action Plan (CAP) for UST Unknown (UST#14324), located at 519 East North 1st Street, in Seneca, Oconee County, South Carolina. This CAP is intended to address the remediation of free phase petroleum product and petroleum impacted groundwater at the site.

1.1 Site Information

A site topographic location map is presented as ***Figure 1*** and a site map with current monitoring wells is presented as ***Figure 2***. The facility has historically transacted as a vacant lot since tanks were removed in 1991. The subject property is owned by the *Gary Alexander* (414 Edgewater Drive, Westminster, SC 29693; Telephone: (864) 719-0477). The site is located on the northern side of East North 1st Street (SC-130) inside the town limits of Seneca, Oconee County, SC. The properties immediately surrounding the site are commercial. The site is bordered to the north by woods, beyond which are residential properties. A commercial property forms the eastern border of the site, beyond which are more commercial properties. A commercial property forms the western border, beyond which are more commercial properties. East North 1st Street forms the southern border to the site. According to the SCDES UST registry database, the release has a South Carolina Risk-Based Corrective Action (SCRBCA) risk classification score of 2BA, based on the presence of free phase petroleum product at a thickness of less than 1 foot.

The site is located in the Piedmont Physiographic Province of South Carolina, an area underlain by ancient igneous and metamorphic rocks. The soils in this province are generally residual soils that are underlain by rock at highly varying depths. The soils encountered in this area are the product of in-place weathering of rocks similar to the rocks underlying the site. In areas not altered by erosion or disturbed by the activities of man, the typical residual soil profile consists of near surface clayey soils and underlying sandy silt and sand. The water table occurs at depths of twenty-nine to sixty-four feet across the site (dependent upon the season), In the Piedmont Province, the slope of the surficial aquifer's surface under static conditions (no pumping interference) approximates the topography of an area. Thus, the movement of groundwater within the soil mantel is typically in the direction of the topographic slope. Local groundwater flow patterns may be affected by disturbed areas such as tank pits, utility trenches, building foundations, borings, wells, etc. Groundwater flow in fractured rock is often difficult to interpret due to the variability of fracture connectivity and orientation. Utilities available to the site vicinity include water and telecom service. It is assumed these may be within the saturated zone of the water table in the site vicinity, but the is dependent upon seasonal fluctuations in the shallow ground water table.

1.2 Release Investigation History

Information available in the SCDES Underground Storage Tank (UST) Registry database indicates that three (3) USTs were formerly in operation at the site up until 1991. The subject site formerly maintained one 500-gallon kerosene underground storage tank (UST) and two 1,000-gallon gasoline UST. The above-mentioned UST's were abandoned by removal from the ground in December of 1991. According to data available in the SCDES UST Registry, one petroleum release at the site was reported in December of 1991 and confirmed in March of 1992.

Release Date:		12/30/1991	
Estimated Quantity of Release:		Unknown	
Other Releases at Facility:		N/A	
Release Ranking:		2BA	
Current Site Usage:		Vacant Lot	
Tank #	**Capacity/Product**	**In Use/Abandoned**	**Tank Status**
1	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
2	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
3	500 Gal. Kerosene	Abandoned	Removed (12/19/1991)

Based on the findings to date, SCDES ranked the release as a category 2BA and determined that the next course of action was Limited Active Corrective Action (ACA) in order to remove free phase petroleum product from the source area.

1.3 Purpose of CAP

Previous assessments at the site had established the presence of potential receptors for soil and groundwater contamination at the site, including sensitive property usage, the presence of underground utilities, surface water features, and groundwater discharge areas. The following significant findings were established:

- The site and surrounding properties have been established as commercial and residential.
- Monitoring wells MW-1, RW-1, RW-3, RW-4, RW-5 & EP-4 have been gauged and determined to contain Free phase petroleum product.
- There are no viable nearby water supply wells within 1,000 feet of the site.
- There are permanent surface water features within approximately 1,000 feet of the site boundaries.

Corrective action goals for this release:

- Removal of measurable free phase petroleum product from all monitoring/recovery wells at the site.
- Reduce petroleum chemicals of concern (COC) in the groundwater.

2.0 REMEDIATION TECHNOLOGY

The remediation objective is to remove measurable free phase petroleum product and to reduce the petroleum chemicals of concern (COC) in the groundwater.). To that end, MECI is proposing an approach comprised of Surfactant-Enhanced Injection/Extraction Event on pre-existing recovery wells RW-1, RW-2, RW-3, RW-4 and RW-5

The conceptual design of the proposed remediation system was developed based on our knowledge of existing site conditions, our knowledge of the remediation equipment recommended and recognized success utilizing this technology at other sites with similar lithology. The individual components of the remediation procedure are outlined in the following sections.

Several remedial alternatives were evaluated to remove free phase petroleum product and restore impacted soil and groundwater. Constraints and limitations that affect site restoration include the

types of contaminants, surface and subsurface site characteristics, concentration of subsurface utilities, and aboveground site utilization. The objective of any remedial evaluation is to present the most appropriate strategy for the subject site.

Surfactant-Enhanced Injection/Extraction Events:

MECI proposes direct injection of a non-ionic surfactant, Ivey-sol® 103 which has the unique ability to selectively desorb sorbed and NAPL phases into groundwater, and overcoming interfacial tension, to significantly improve contaminant availability for in-situ and ex-situ remediation. This capacity produces substantial and measurable benefits when treating vapor intrusion, soil, and groundwater contamination. Ivey-sol® 103 interacts with contaminants at a molecular level, selectively desorbing them into the pore spaces, or off surfaces, by forming partial micelles. In doing so, it makes insoluble contaminants more miscible, and as a result are more physically, biologically, and chemically available in-situ and ex-situ remediation. Laboratory results from various surfactant studies have shown that non-ionic surfactant solutions at concentrations ranging from 0.1 to 10.0% can effectively provide emulsification and mobilization of hydrocarbon constituents. However, Ivey-sol® 103 application is also a function of the impacted soil/GW volume being treated. The proposed target treatment area is located in the area of the site and encompasses existing monitoring wells MW-1, MW-4, MW-26, EP-4, EP-16 and EP-20.

Pre-existing recovery wells RW-1, RW-2, RW-3, RW-4 and RW-5 will be utilized to directly inject surfactant amended water into the aquifer at the referenced site. Following the injection event, an approximate 10-day "residence" time will begin to allow the surfactant to bring hydrocarbons into an oil-in-water microemulsion which will increase the effective solubility of the petroleum hydrocarbons in water and will aid in reducing the inter-facial tension between the hydrocarbon and water molecules. This increased effective solubility and reduced inter-facial tension will promote a formation of an aqueous solution, augmenting hydrocarbon recovery via the recovery well network utilizing Aggressive Fluid Vapor Recovery (AFVR) events.

3.0 DESIGN AND OPERATION PROPOSED REMEDIAL APPROACH

The proposed injection event will be conducted in the vicinity of monitoring wells MW-1, MW-4 MW-26, EP-16, and EP-20. The proposed corrective action plan includes a Surfactant-Enhanced Injection/Extraction Event to remove free phase petroleum product. MECI also proposes to complete monthly gauging events for 6-months following the proposed remediation, and then a comprehensive sampling event, to determine the effectiveness of remedial approach. Based on the monthly gauging events and/or comprehensive sampling event, additional corrective action measures may be necessary. The details of the remedial system are provided below.

3.1 Surfactant-Enhanced Injection/Extraction Events

MECI proposes completing a Surfactant Enhanced Injection/Extraction Event at the site. For planning purposes, once all permits have been acquired and approvals have been met, MECI plans to complete the events in March 2025. During the event, approximately 11.0 gallons Ivey-sol® 103 and 605 gallons of clean wate will be injected in to recovery wells RW-1, RW-2, RW-3, RW-4 and RW-5 (a total of 3,080 gallons of Ivey-sol mixture across the five wells). The surfactant will be force injected utilizing a trailer mounted ChemGrout CG-400 Remediator®. One-inch diameter rubber hosing is used in the distribution of surfactant materials. The hose is attached to the well head using well seal which is attached to a one-inch drop tube which is inserted into the appropriate injection

location. The surfactant is batched with potable water in the equipment trailer mounted poly tanks. The surfactant injection event should take approximately 3-5 days depending on site conditions.

Following and approximate 10-day "residence" time, two of MECI's multi-phase extraction units will perform dual phase extraction to remove hydrocarbons (liquid and vapor phase)/surfactant emulsion from wells MW-1, MW-4, MW-26, EP-4, EP-16, EP-20, RW-1, RW-2, RW-3, RW-4 and RW-5. Extraction unit#1will be connected to MW-1, MW-26, EP-4, RW-1, RW-2 and RW-3, while MECI extraction unit #2 will be connected to MW-4, EP-16, EP-20, RW-4 & RW-5. MECI's AFVR units employ a combination of specially designed trailer-mounted vacuum and liquid handling knock out tank integrated with a vapor phase activated carbon unit. Vacuum will be applied to multiple recovery wells with a down hole apparatus (drop-tube and/or stinger pipe) used to control the fluid elevation in each extraction well. During the event, the vacuum forcefully induces free phase petroleum product, contaminated groundwater, and vapor into the extraction wells from both the vadose zone above the water table and the saturated zone below simultaneously.

MECI's mobile extraction units are a trailer-mounted systems equipped with 40 kw (kilowatt) diesel Generator Sets which powers a 20 HP (horsepower) VMAX oil-sealed vacuum pump system (Model VMX0303K) which is capable of providing an air flow of 250 CFM (Cubic Feet per Minute) at 25 inches of Mercury, and a 2 HP Moyno 500 Series (Model 3913670100) transfer pump to off load fluids produced. A mounted 480 Volt/3 Phase electrical control panel operates both the Vacuum pump system and the transfer pump. Prior to start-up of the AFVR event, a stinger (drop-tube) will be inserted into the well and installed approximately 6 inches below the bottom of the product layer and or water level. The drop-tube (stinger) will be lowered every one-foot every hour until the target depth of 15' feet below the top of casing is achieved. A 2.5-inch Petroleum Flexwing hose is connected to both the well head connection and the trailer-mounted manifold which is connected to the fluid holding tank. Once start-up has commenced vapor phase volatile organic compounds (VOC's) are routed from the vacuum pump system to a vapor phase granular activated carbon vessel which filters the off-gas before discharging into the atmosphere.

The specific design for the saturated zone for the treatment area are as follows:

Recovery wells RW-1, RW-2, RW-3, RW-4 and RW-5

- Ivey-sol® 103: approx. 11.0 Gallons per well
- Clean Water: approx. 605.0 Gallons per well

3.2 Groundwater Gauging

Following the initial Surfactant Enhanced Injection/Extraction Event, a stabilization period will ensue (30 days). Once stabilization has been met, MECI proposes to gauge all wells with historical measurable free phase product and/wells with chemicals of concern above effective solubility (MW-1, MW-4, MW-26, EP-4, EP-16, EP-20, RW-1, RW-2, RW-3, RW-4 and RW-5) on a monthly basis for 6-months for free phase petroleum product. If free phase petroleum product does not reappear, MECI will proceed with a selective groundwater sampling event as described below; however, if free phase petroleum product is detected during the 6-month gauging period, additional technologies will be evaluated.

3.3 Groundwater Sampling Events

Following the proposed remedial activities, a stabilization period will ensue. Once stabilization has been met after approximately 30 days, MECI proposes to gauge MW-1, MW-5, MW-26, EP-4, EP-16, RW-1, RW-2, RW-3, RW-4, and RW-5 on a monthly basis until July 2025 for free phase

petroleum product. If free phase petroleum product does not reappear, MECI proposes a comprehensive sampling event for current analytical data on the groundwater contamination beneath the site.

MECI personnel will utilize an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Purging will be completed by bailing at least three to five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging will be completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The wells will be sampled in accordance with SCDHEC's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

4.0 SITE MONITORING AND SYSTEM EVALUATION

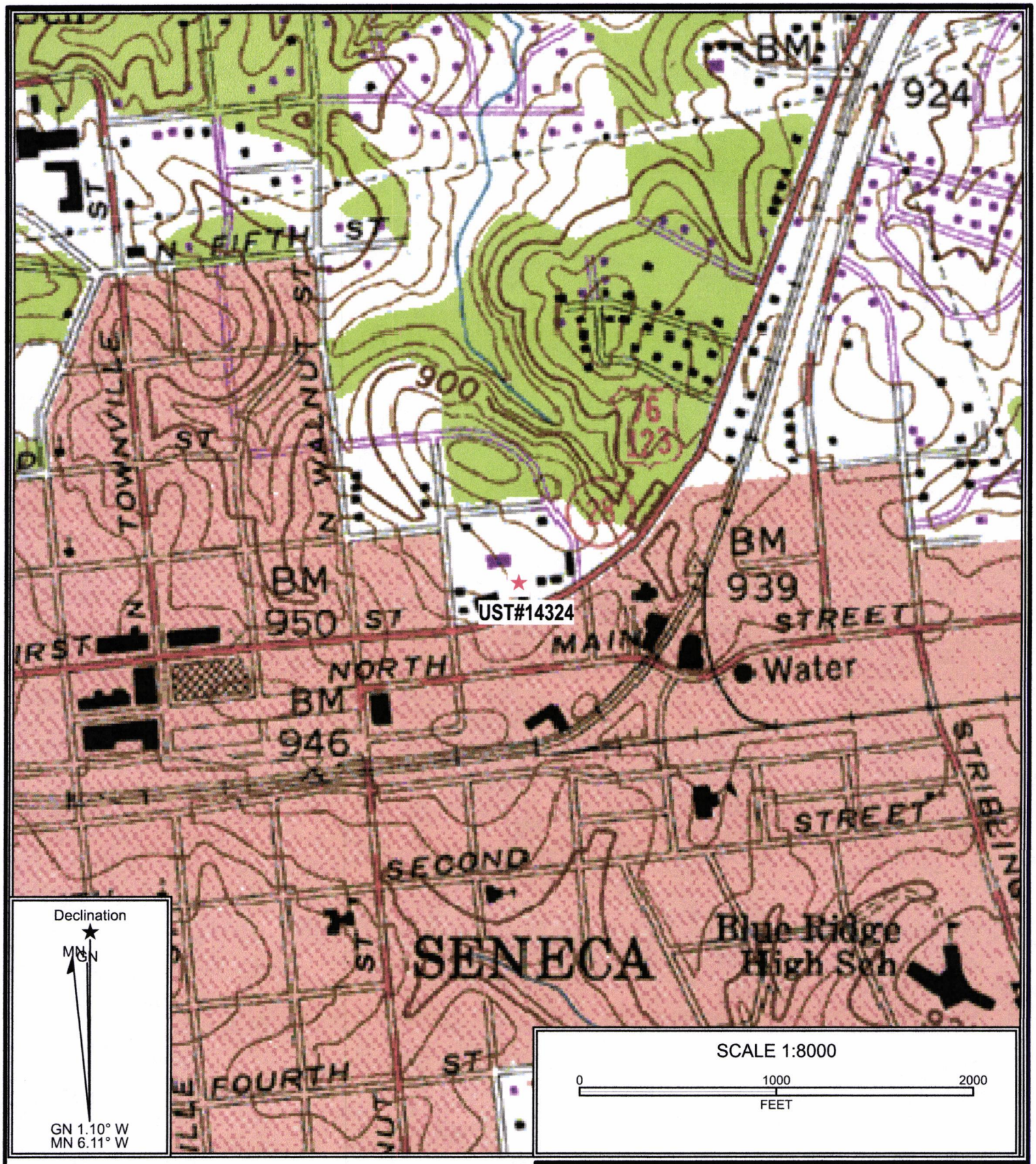
The effectiveness of the proposed remediation approach will be evaluated through groundwater gauging and sampling results. The wells will be sampled in accordance with SCDES's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent Standard Operating Procedures. Groundwater samples obtained from the monitoring wells and nearby surface water locations will be analyzed for BTEX, Naphthalene, MtBE, 1,2-DCA, 8-Oxygenates (8260D) and EDB (8011).

The follow table presents an approximate timetable for corrective action activities:

Item	Start Date	End Date	Comments
CAP Preparation	1/6/2025	1/6/2025	Completed
CAP Approval	1/12/2024	March, 2025	Awaiting Approval (60 Days)
Injection/Extraction Event# 1	Early April 2025	Late April 2025	Dependent upon CAP, UIC, Public Notice approval
Gauging Event# 1	Late May 2025	Early June 2025	To be completed approximately 30 days following the initial surfactant enhanced AFVR event
Gauging Event# 2	Late June 2025	Early July 2025	To be completed approximately 60 days following the initial surfactant enhanced AFVR event
Gauging Event# 3	Late July 2025	Early August 2025	To be completed approximately 90 days following the initial surfactant enhanced AFVR event
Gauging Event# 4	Late August 2025	Early September 2025	To be completed approximately 120 days following the initial surfactant enhanced AFVR event
Gauging Event# 5	Late September 2025	Early October 2025	To be completed approximately 150 days following the initial surfactant enhanced AFVR event
Gauging Event# 6	Late October 2025	Early November 2025	To be completed approximately 180 days following the initial surfactant enhanced AFVR event
Selective Sampling Event	Late November 2025	Early January 2026	Only completed if no product is detected for 6-months following the initial surfactant enhanced AFVR event.

-oOo-

FIGURES



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

Midlands Environmental Consultants, Inc.	Site Location
UST-Unknown #14324 519 East North 1st Street, Seneca, SC UST Permit# 14324	
Figure 1	MECI# 24-8321

SW-1
34.689108,-82.946114

34.688505,-82.945634
SW-2
Oconee Co. TMS#
520-30-02-017

Oconee Co. TMS#
520-24-04-022

34.688169,-82.945495
SW-3

DDW-1

Oconee Co. TMS#
520-30-02-006

34.687784,-82.945225
SW-4

DW-4 DDW-2
MW-31

Oconee Co. TMS#
520-30-02-009

Oconee Co. TMS#
520-30-02-008

DDW-3 DW-5

PP

Oconee Co. TMS#
520-30-02-007

Oconee Co. TMS#
520-30-02-010

MW-23
DW-3

Oconee Welding

MW-32
DW-6
DDW-4

MW-29
DW-2

DW-1
MW-19R

Oconee Co. TMS#
520-30-02-011

MW-12
MW-13
MW-28

MW-21R
MW-1
RW-2
MW-20

Oconee Co. TMS#
520-30-02-016

MW-27

MW-2
MW-22

East North 1st Street

Oconee Co. TMS#
520-30-06-005

Oconee Co. TMS#
520-30-06-001

EP-12
MW-24

BLWM#
56039

MW-25

EP-20

RW-5

EP-4

MW-4

RW-4

MW-26

EP-16

MW-5

RW-3

RW-1

Oconee Co. TMS#
520-30-03-006

Jordan Street

Oconee Co. TMS#
520-30-03-008

Building

Bldg

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-Inch Extraction Point
- Location of 4-Inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas Buried Gas Line
- water Buried Water Line

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

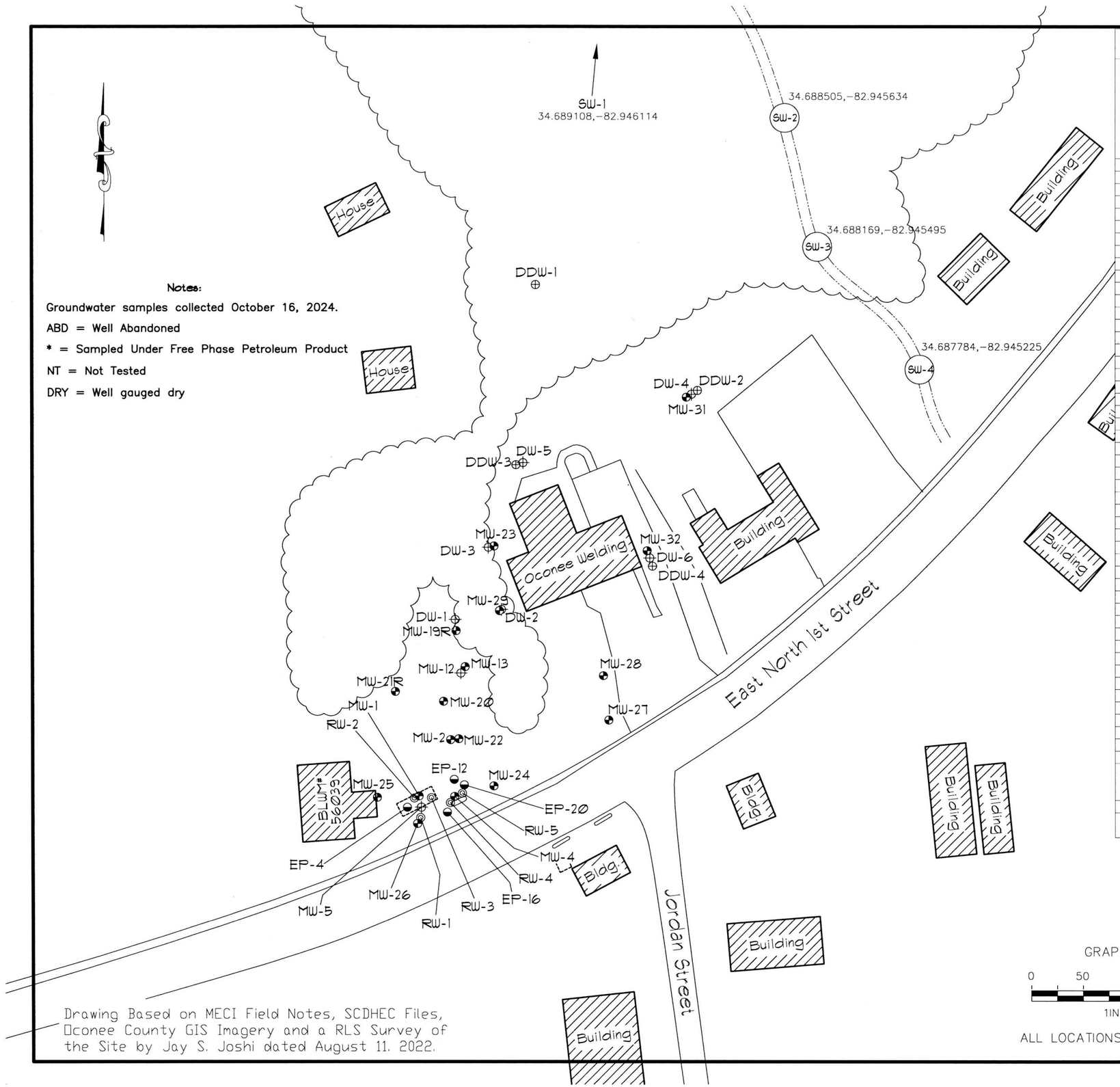
ALL LOCATIONS ARE APPROXIMATE

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321
DATE November 6, 2024
FIGURE 2



Notes:

Groundwater samples collected October 16, 2024.

ABD = Well Abandoned

* = Sampled Under Free Phase Petroleum Product

NT = Not Tested

DRY = Well gauged dry

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA

Well ID#	Benzene (µg/l) RBSL 5	Toluene (µg/l) RBSL 1,000	Ethylbenzene (µg/l) RBSL 700	Total Xylenes (µg/l) RBSL 10,000	Naphthalene (µg/l) RBSL 25	MTBE (µg/l) RBSL 40	1,2 DCA (µg/l) RBSL 5	EDB (µg/l) RBSL 0.05
MW-1*	<17.4	<20.1	471	2270	**246**	<31.0	<20.6	<0.0080
MW-2	**3140 J**	**8110**	<1840	<5000	<2090	<3100	<2060	<0.0079
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	**16500**	**26900**	**1800**	**12600**	**773 J**	<775	<515	<0.0075
MW-5	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	**2980**	**8870**	**945**	5670	**349 J**	<310	<206	**21.7**
MW-13	**2400**	**6180**	675	3860	**248**	<124	<82.4	**24.4**
MW-19R	<1.7	<2.0	<1.8	<5.0	2.3 J	<3.1	<2.1	<0.0086
MW-20	**1600**	476	630	2900	**186**	<38.8	<25.8	**5.5**
MW-21R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073
MW-22	**9510**	**19700**	**1570**	8580	**450 J**	<310	<206	**173**
MW-23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	**610**	898	79.6	737	**38.2**	<15.5	**37.0**	<0.0079
MW-25	<1.7	3.9 J	6.0	62.8	<2.1	<3.1	<2.1	<0.0080
MW-26	**13800**	**26600**	**1910**	9920	**537 J**	<775	<515	<0.0077
MW-27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
MW-28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0082
MW-29	**2470**	**2790**	**832**	4440	**327**	<62.0	<41.2	**23.9**
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-32	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
DW-1	**1820**	124	22.5 J	568	**35.1 J**	<31.0	<20.6	**6.7**
DW-2	**5870**	**5250**	381	3690	**134 J**	<155	<103	<0.0082
DW-3	**251**	<5.0	<4.6	143	11.3 J	<7.8	<5.2	**0.78**
DW-4	**1210**	<20.1	<18.4	306	**40.6 J**	<31.0	**24.0 J**	**2.4**
DW-5	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078
DW-6	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**12.6**	**0.068**
DDW-1 (83.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
DDW-1 (92.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080
DDW-1 (102.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079
DDW-1 (112.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083
DDW-1 (119.5')	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-2	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-3	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081
DDW-4	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083
RW-1*	**20600**	**37500**	**2530**	**15800**	**779 J**	<620	<412	**507**
RW-2	<8.7	182	**718**	2190	**412**	<15.5	<10.3	**0.13**
RW-3*	**217**	**1560**	**2840**	**12300**	**595**	<124	<82.4	**0.27**
RW-4*	**28900**	**33500**	**2250**	**13900**	**673 J**	<620	<412	**1370**
RW-5*	**23400**	**35500**	**2390**	**12900**	**796 J**	<775	<515	<0.0081
EP-4*	**264**	**3590**	**1550**	8900	**722**	<77.5	<51.5	<0.0080
EP-12	**8280**	**16600**	**1140**	**11200**	**753**	<388	<258	**224**
EP-16	**9600**	**17600**	**1100**	**13100**	**1050**	<388	<258	<0.0079
EP-20	**14500**	**30500**	**2050**	**22400**	**2250**	<620	<412	<0.0078
SW-1	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0077
SW-2	<0.34	<0.48	<0.30	<0.34	<0.64	1.3	<0.32	<0.0082
SW-3	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0083
SW-4	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0082
DUP-1 (EP-12)	**11300**	**22300**	**1370**	**13900**	**1260**	<620	<412	**178**
DUP-2 (RW-3)	**293**	**1580**	**2360**	9980	**700**	<124	<82.4	**0.31**
DUP-3 (EP-16)	**7470**	**13300**	**1050**	**11600**	**1250**	<388	<258	<0.0078
Field Blank	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073
Trip Blank	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT

Groundwater CoC Site Map

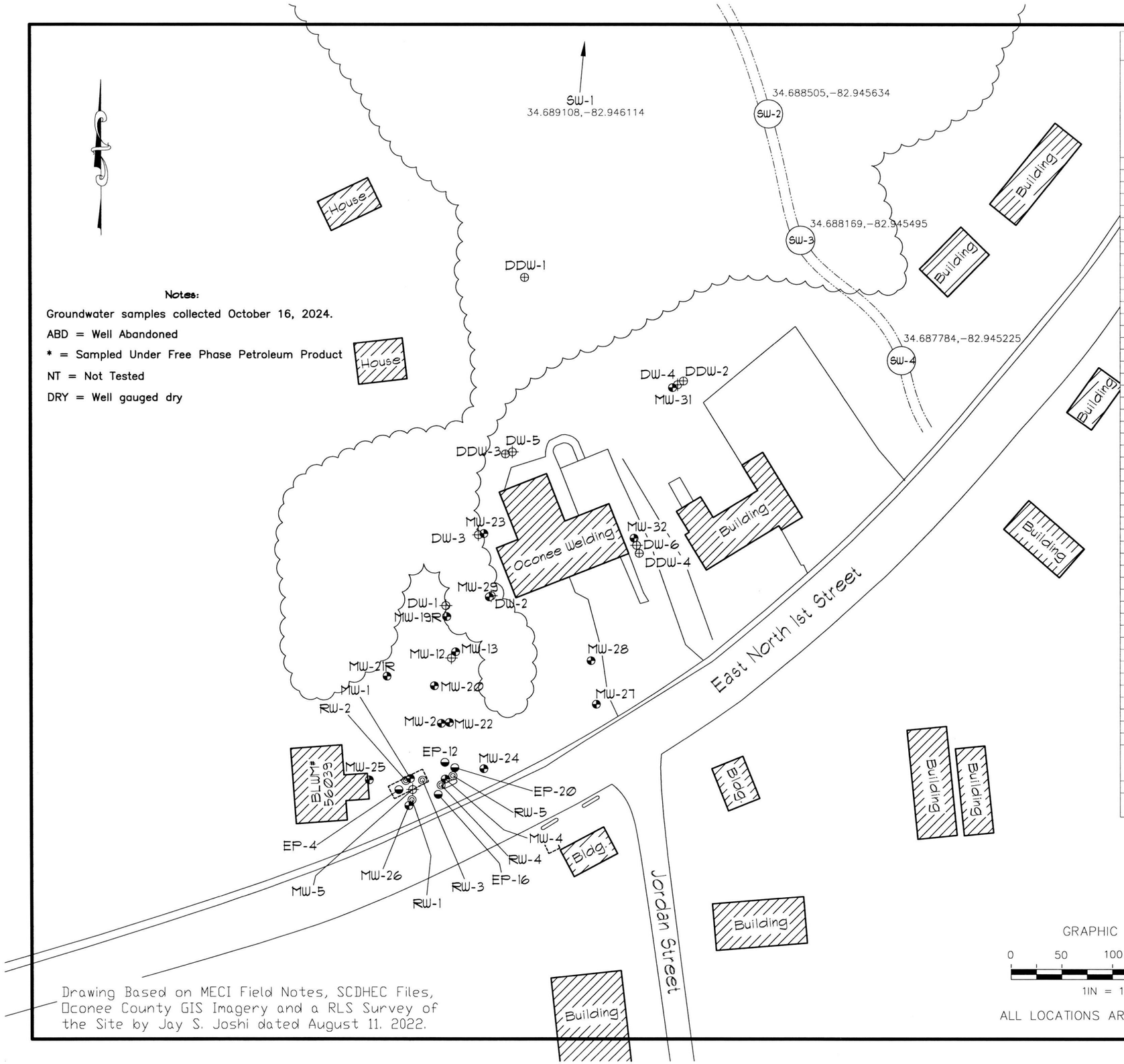
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 3



Notes:

Groundwater samples collected October 16, 2024.

ABD = Well Abandoned

* = Sampled Under Free Phase Petroleum Product

NT = Not Tested

DRY = Well gauged dry

Drawing Based on MECI Field Notes, SCDHEC Files, Oconee County GIS Imagery and a RLS Survey of the Site by Jay S. Joshi dated August 11. 2022.

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)

Well ID#	TAA (µg/l) RBSL 240	TAME (µg/l) RBSL 128	ETBA (µg/l) RBSL NE	TBA (µg/l) RBSL 1,400	TBF (µg/l) RBSL NE	DIPE (µg/l) RBSL 150	Ethanol (µg/l) RBSL 10,000	ETBE (µg/l) RBSL 47
MW-1*	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
MW-2	<65600	<3040	<53900	<91000	<24100	<3490	<144000	<8460
MW-3	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-8	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-13	<2620	<122	<2160	<3640	<964	<140	<5760	<338
MW-19R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	**826 J**	<38.0	<674	<1140	<301	<43.6	<1800	<106
MW-21R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
MW-25	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-27	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
MW-30	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-32	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-1	**678 J**	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-2	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
DW-4	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-5	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	<65.6	<3.0	<53.9	<91.0	<24.1	9.4	<144	<8.5
DDW-1 (83.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (119.5')	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-2	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1*	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
RW-3*	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4*	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5*	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4*	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
EP-12	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-16	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-20	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-4	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP-1 (EP-12)	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (RW-3)	<2620	<122	<2160	<3640	<964	<140	<5760	<338
DUP-3 (EP-16)	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
Field Blank	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	<65.6 <65.6	<3.0 <3.0	<53.9 <53.9	<91.0 <91.0	<24.1 <24.1	<3.5 <3.5	<144 <144	<8.5 <8.5

Groundwater CoC Site Map (Oxygenates)

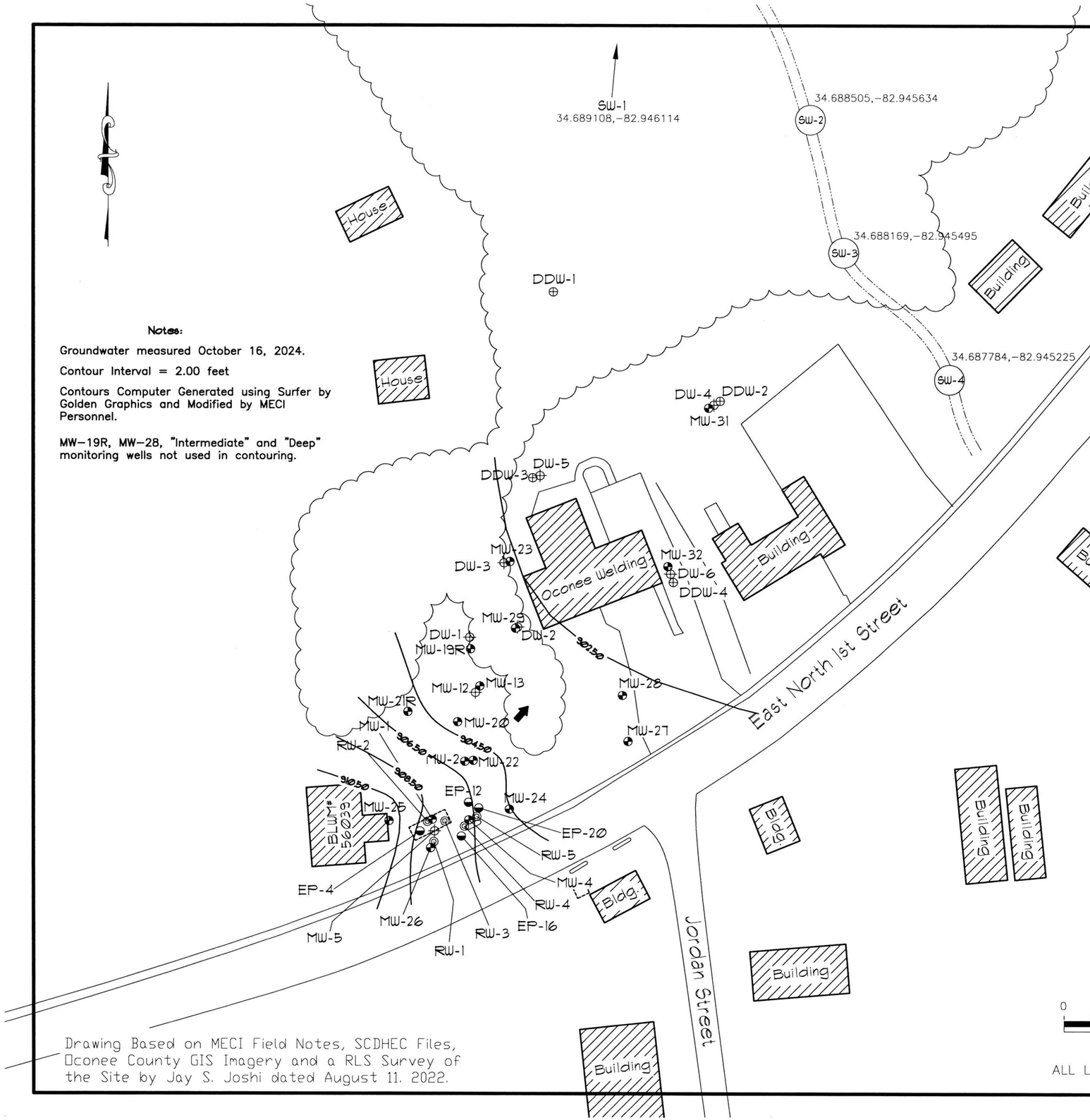
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 3A


SW-1
34.689108,-82.946114
34.688505,-82.945634
SW-2
34.688169,-82.945495
SW-3
34.687784,-82.945225
SW-4
House
House
Building
Building
DDW-1
DW-4
DDW-2
MW-31
DDW-3
DW-5
DW-3
MW-23
Oconee Welding
MW-32
DW-6
DDW-4
Building
MW-29
DW-2
DW-1
MW-19R
MW-12
MW-13
MW-28
MW-27
MW-21R
MW-1
MW-20
RW-2
MW-2
MW-22
EP-12
MW-24
MW-25
BLUM# 56035
EP-20
RW-5
EP-4
MW-4
RW-4
MW-5
MW-26
RW-3
EP-16
RW-1
Bldg.
Jordan Street
East North 1st Street
Building
Building
Building
Building
Building
Bldg.
Building
Building
Building
Building
Building

APPENDIX A

SITE SPECIFIC WORK PLAN (SSWP) & COST PROPOSAL

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

To: Ms. Corie White (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Unknown 14324 UST Permit #: 14324
Facility Address: 519 E 1st Street, Seneca, SC 29678
Responsible Party: Betty Lathem- Trustee Phone: 864-288-6480
RP Address: 2 West Washington Street, Suite 1100, Greenville, SC 29601
Property Owner (if different): Gary Alexander
Property Owner Address: 414 Edgewater Drive, Westminster, SC 29693
Current Use of Property: Maintenance Shop/ Abandoned Lot

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☑ Other Installation of Absorbent Socks
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260D)
- ☑ Oxygenates (8260D)
- ☑ EDB (8011)
- ☐ PAH (8270E)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260D)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ 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	2 Field Blank
38 Monitoring Wells	4 Surface Water	3 Duplicate	3 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 #: 14234 Facility Name: Unknown 14324

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 1/7/2025 Field Work Completion: 11/7/2025
Report Submittal: 1/7/2026 # of Copies Provided to Property Owners: _____

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

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: 300.0 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/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
-See attached Limited Corrective Action Plan

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

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

SC DEPARTMENT *of* **ENVIRONMENTAL SERVICES**

TARGETED COMPONENT INVOICE

South Carolina Department Environmental Services — Underground
Storage Tank Management Division — State
Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: UST-Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** TBD

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan	1	each	$183.22		$183.22
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment	2	each	$1,245.93		$2,491.86
2.2 Personnel	10	each	$516.69		$5,166.90
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00

J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge	37	per well	$73.29		$2,711.73
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve	5	sample	$34.20		$171.00
4.2B No-purge Groundwater Sample/Surface water	4	sample	$57.24		$228.96
5.2 Gauge Well only	66	sample	$8.55		$564.30
6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Blar	5	sample	$30.06		$150.30
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	54	per sample	$149.02		$8,047.08
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	52	per sample	$55.21		$2,870.92
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00

K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	300	gallon	$1.19		$357.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
1. Targeted Corrective Action (see Attached Table)	1	each	$25,073.00		$25,073.00
T. Tier I Assessment (Use DES 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DES 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00

W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event	2	per event	$14,482.28		$28,964.56
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	2	per event	$898.84		$1,797.68
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal	30000	gallon	$0.53		$15,900.00
17.2 AFVR Mobilization/Demobilization	2	each	$777.60		$1,555.20
18.1 Mobilization for absorbents/skimmers		each	$516.69		$0.00
19.1 Well sock 2" ID well		each	$36.94		$0.00
20.1 Well sock 4" ID well		each	$49.03		$0.00
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents		pound	$4.10		$0.00
28.1 Disposal of product from skimmers		gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00

Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$96,233.71		$11,548.05
TOTAL					$107,781.76

ITEM					
R. Miscellaneous (attach receipts)	QUANTITY	UNIT	UNIT PRICE		TOTAL
Corrective Action Plan	1	each	$1,500.00		$1,500.00
I. Injection					
Injection Services		EACH	$0.00		$0.00
II. Enhanced AFVR					$0.00
Injectate	1	per event	$3,573.00		$3,573.00
Injection Services	1	per event	$20,000.00		$20,000.00
Secondary Parameter Analysis (Sulfate)		each			
III. Excavation		ton			$0.00
Excavation Equipment and Operator		each			$0.00
Backfill Material		ton			$0.00
Backfill Additive		ton			$0.00
Proctor/Compaction Testing		per event			$0.00
Sheet Piling		per event			$0.00
Dewatering Equipment		per event			$0.00
Excavation Security/Fencing		per event			$0.00
TOTAL					$25,073.00

FIELD ENVIRONMENTAL INSTRUMENTS, INC.

678-395-7750 866-620-6762
Fax: 770-696-2881
www.fieldenvironmental.com

info@fieldenvironmental.com

Field Environmental Instruments, Inc
3050 Business Park Drive
Suite F
Norcross, GA 30071

Customer Representative: Jeremy Sloan

Prepared On 11/20/2024

QUOTE No.

571721

Customer Reference:
Not Provided

Quote prepared For: Customer ID: 162688

Jeff Coleman

Midlands Environmental Consultants

235 DOOLEY RD

LEXINGTON.SC 29073-7614

Shipment Date:	TBD
Expected Delivery Date:	TBD
Rental Term Start:	TBD
Rental Term End:	TBD

Shipping Address:

Jeff Coleman

Midlands Environmental Consultants

235 DOOLEY RD

LEXINGTON.SC 29073-7614

#	Class ID	Line Qty	Class Description	Sale Price
1	25231	1	Ivey - Sol 103 - 55 Gallon Drum	$3,573.00
2	620	1	FEI - Shipping & Handling Charge	
			Estimated Shipping	

Prepared By: Jeremy Sloan

QUOTE VALID FOR 30 DAYS

**Prorated monthly daily and weekly daily rates are applied to rental terms great than 1 month or 1 week, respectively.*
FEI Inc. Rental Terms and Conditions are available at www.fieldenvironmental.com/terms-and-conditions.html
The quoted amounts are exclusive of any applicable state and local sales tax
Shipping and handling charges are applicable

APPENDIX B

HISTORICAL POTENTIOMETRIC DATA

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-1	8/10/2013	25-40	---	26.50	---	936.88	910.38
	11/6/2013		---	26.77	---		910.11
	3/12/2015		---	27.31	---		909.57
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	23.49	---		913.39
	8/3/2022		---	27.85	---		909.03
	4/25/2023		---	25.95	---		910.93
	10/16/2024*		29.23	29.28	0.05		907.64
MW-2	8/10/2013	30-40	---	29.00	---	937.19	908.19
	11/6/2013		---	28.20	---		908.99
	3/12/2015		---	29.46	---		907.73
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.01	---		906.18
	4/7/2020		---	26.22	---		910.97
	8/3/2022		---	29.19	---		908.00
	4/25/2023		---	30.07	---		907.12
	10/16/2024		---	31.22	---		905.97
MW-3	8/10/2013	30-40	---	27.80	---	ABANDONED	N/A
	11/6/2013		---	27.12	---		N/A
	3/12/2015		---	28.07	---		N/A
	6/24/2015		---	NM	---		NM
	5/30/2018		---	ABANDONED	---		ABANDONED
MW-4	8/10/2013	30-40	---	28.34	---	937.64	909.30
	11/6/2013		---	NS	---		NS
	3/12/2015		---	28.81	---		908.83
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.96	---		912.68
	8/3/2022		---	28.57	---		909.07
	4/25/2023		---	30.11	---		907.53
	10/16/2024		---	30.32	---		907.32
MW-5	8/10/2013	60-65	---	27.26	---	936.64	909.38
	11/6/2013		---	26.78	---		909.86
	3/12/2015		---	27.89	---		908.75
	6/24/2015		---	NM	---		NM
	5/30/2018		---	29.29	---		907.35
	4/7/2020		---	24.10	---		912.54
	8/3/2022		---	28.45	---		908.19
	4/25/2023		---	26.25	---		910.39
	10/16/2024		---	29.29	---		907.35
MW-8	8/10/2013	N/A	---	37.08	---	ABANDONED	N/A
	11/6/2013		---	36.44	---		N/A
	3/12/2015		---	ABANDONED	---		ABANDONED
MW-12	8/10/2013	60-65	---	32.22	---	937.69	905.47
	11/6/2013		---	31.10	---		906.59
	3/12/2015		---	32.55	---		905.14
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.75	---		902.94
	4/7/2020		---	29.03	---		908.66
	8/3/2022		---	32.15	---		905.54
	4/25/2023		---	31.05	---		906.64
	10/16/2024		---	33.32	---		904.37

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-13	8/10/2013	36-46	---	32.03	---	937.99	905.96
	11/6/2013		---	31.45	---		906.54
	3/12/2015		---	34.15	---		903.84
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.41	---		903.58
	4/7/2020		---	29.55	---		908.44
	8/3/2022		---	32.51	---		905.48
	4/25/2023		---	36.11	---		901.88
	10/16/2024		---	34.21	---		903.78
MW-19	8/10/2013	35-45	---	33.20	---	ABANDONED	N/A
	11/6/2013		---	31.73	---		N/A
	3/12/2015		---	OBSTRUCTION	---		OBSTRUCTION
	6/24/2015		---	ABANDONED	---		ABANDONED
MW-19R	6/24/2015	30-40	---	34.08	---	937.63	903.55
	5/30/2018		---	34.80	---		902.83
	4/7/2020		---	29.78	---		907.85
	8/3/2022		---	32.73	---		904.90
	4/24/2023		---	31.50	---		906.13
	10/16/2024		---	35.50	---		902.13
MW-20	6/24/2015	30-40	---	33.92	---	936.87	902.95
	5/30/2018		---	32.30	---		904.57
	4/7/2020		---	27.30	---		909.57
	8/3/2022		---	30.20	---		906.67
	4/25/2023		---	31.07	---		905.80
	10/16/2024		---	33.32	---		903.55
MW-21	6/24/2015	30-40	---	30.96	---	NL	N/A
	5/30/2018		---	NL	---		NL
MW-21R	4/7/2020	22-32	---	28.52	---	934.95	906.43
	8/3/2022		---	28.21	---		906.74
	4/25/2023		---	26.32	---		908.63
	10/16/2024		---	30.00	---		904.95
MW-22	6/24/2015	30-40	---	33.10	---	937.61	904.51
	5/30/2018		---	31.43	---		906.18
	4/7/2020		---	26.22	---		911.39
	8/3/2022		---	29.82	---		907.79
	4/25/2023		---	30.19	---		907.42
	10/16/2024		---	32.22	---		905.39
MW-23	6/24/2015	30-40	---	35.71	---	943.11	907.40
	5/30/2018		---	DRY	---		DRY
	4/7/2020		---	36.39	---		906.72
	8/3/2022		---	39.05	---		904.06
	4/24/2023		---	37.75	---		905.36
	10/16/2024		---	DRY	---		DRY
MW-24	6/24/2015	30-40	---	33.30	---	938.76	905.46
	5/30/2018		---	31.90	---		906.86
	4/7/2020		---	26.62	---		912.14
	8/3/2022		---	29.97	---		908.79
	4/25/2023		---	30.60	---		908.16
	10/16/2024		---	34.42	---		904.34
MW-25	6/24/2015	30-40	---	31.57	---	938.88	907.31
	5/30/2018		---	26.48	---		912.40
	4/7/2020		---	21.32	---		917.56
	8/3/2022		---	25.13	---		913.75
	4/25/2023		---	30.43	---		908.45
	10/16/2024		---	26.63	---		912.25
MW-26	6/24/2015	30-40	---	32.86	---	937.04	904.18
	5/30/2018*		29.42	29.52	0.10		907.61
	4/7/2020		---	24.16	---		912.88
	8/3/2022*		27.40	27.75	0.35		909.59
	4/25/2023*		25.95	29.96	4.01		910.49
	10/16/2024		---	30.16	---		906.88
MW-27	4/7/2020	30-40	---	29.66	---	938.17	908.51
	8/3/2022		---	32.66	---		905.51
	4/24/2023		---	30.18	---		907.99
	10/16/2024		---	34.55	---		903.62

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-28	4/7/2020	32-42	---	33.43	---	940.86	907.43
	8/3/2022		---	36.51	---		904.35
	4/24/2023		---	34.89	---		905.97
	10/16/2024		---	34.85	---		906.01
MW-29	4/7/2020	35-45	---	36.14	---	943.12	906.98
	8/3/2022		---	38.83	---		904.29
	4/24/2023		---	37.54	---		905.58
	10/16/2024		---	40.29	---		902.83
MW-30	8/3/2022	39-49	---	DRY	---	ABANDONED	ABANDONED
	4/25/2023		---	ABANDONED	---		ABANDONED
MW-31	8/3/2022	30-40	---	39.42	---	935.75	896.33
	4/24/2023		---	37.84	---		897.91
	10/16/2024		---	DRY	---		DRY
MW-32	8/3/2022	30-40	---	34.55	---	937.28	902.73
	4/24/2023		---	34.14	---		903.14
	10/16/2024		---	36.30	---		900.98
DW-1	6/24/2015	60-65	---	32.67	---	937.18	904.51
	5/30/2018		---	34.19	---		902.99
	4/7/2020		---	29.29	---		907.89
	8/3/2022		---	32.28	---		904.90
	4/24/2023		---	30.08	---		907.10
	10/16/2024		---	35.83	---		901.35
DW-2	4/7/2020	60-65	---	35.85	---	942.93	907.08
	8/3/2022		---	38.63	---		904.30
	4/24/2023		---	37.80	---		905.13
	10/16/2024		---	39.99	---		902.94
DW-3	4/7/2020	60-65	---	36.15	---	942.98	906.83
	8/3/2022		---	38.99	---		903.99
	4/24/2023		---	37.50	---		905.48
	10/16/2024		---	40.26	---		902.72
DW-4	8/3/2022	58-63	---	40.42	---	935.93	895.51
	4/24/2023		---	39.35	---		896.58
	10/16/2024		---	40.59	---		895.34
DW-5	8/3/2022	59-64	---	40.38	---	943.99	903.61
	4/25/2023		---	39.13	---		904.86
	10/16/2024		---	42.74	---		901.25
DW-6	8/3/2022	60-65	---	34.58	---	937.49	902.91
	4/24/2023		---	33.18	---		904.31
	10/16/2024		---	35.68	---		901.81
DDW-1	8/3/2022	80-120	---	57.70	---	962.25	904.55
	4/25/2023		---	60.10	---		902.15
	10/16/2024		---	63.42	---		898.83
DDW-2	8/3/2022	85-90	---	58.46	---	935.41	876.95
	4/25/2023		---	37.57	---		897.84
	10/16/2024		---	38.88	---		896.53
DDW-3	8/3/2022	85-90	---	40.02	---	943.86	903.84
	4/25/2023		---	39.10	---		904.76
	10/16/2024		---	41.36	---		902.50
DDW-4	8/3/2022	80-85	---	34.23	---	937.35	903.12
	4/25/2023		---	32.83	---		904.52
	10/16/2024		---	35.27	---		902.08
RW-1	6/24/2015	20-40	---	31.94	---	937.24	905.30
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.28	---		912.96
	8/3/2022*		27.93	27.95	0.02		909.31
	4/25/2023		---	27.11	---		910.13
	10/16/2024*		29.88	29.90	0.02		907.36
RW-2	6/24/2015	20-40	---	32.06	---	937.36	905.30
	5/30/2018		---	29.45	---		907.91
	4/7/2020		---	24.21	---		913.15
	8/3/2022		---	28.37	---		908.99
	4/25/2023		---	26.26	---		911.10
	10/16/2024		---	29.28	---		908.08

TABLE 2
POTENTIOMETRIC DATA
OCTOBER 16, 2024 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 24-8321
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
RW-3	6/24/2015	20-40	---	31.86	---	937.48	905.62
	5/30/2018		---	29.39	---		908.09
	4/7/2020		---	24.20	---		913.28
	8/3/2022*		28.51	28.52	0.01		908.97
	4/25/2023		---	26.87	---		910.61
	10/16/2024*		29.93	29.94	0.01		907.55
RW-4	6/24/2015	20-40	---	31.62	---	937.88	906.26
	5/30/2018		---	30.60	---		907.28
	4/7/2020		---	25.10	---		912.78
	8/3/2022*		28.30	28.31	0.01		909.58
	4/25/2023		---	27.29	---		910.59
	10/16/2024*		30.44	30.46	0.02		907.44
RW-5	6/24/2015	20-40	---	31.43	---	938.26	906.83
	5/30/2018		---	30.90	---		907.36
	4/7/2020		---	25.58	---		912.68
	8/3/2022*		28.99	29.00	0.01		909.27
	4/25/2023		---	27.69	---		910.57
	10/16/2024*		32.75	32.76	0.01		905.51
EP-4	8/10/2013	20-35	---	NM	---	936.91	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	27.70	---		909.21
	6/24/2015		---	NM	---		NM
	5/30/2018*		29.13	29.24	0.11		907.76
	4/7/2020		---	23.85	---		913.06
	8/3/2022		---	27.83	---		909.08
	4/25/2023		---	26.15	---		910.76
	10/16/2024*		29.54	29.57	0.03		907.37
EP-12	8/10/2013	20-35	---	NM	---	937.40	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.73	---		907.67
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.91	---		912.49
	8/3/2022		---	29.38	---		908.02
	4/25/2023		---	27.11	---		910.29
	10/16/2024		---	30.33	---		907.07
EP-16	8/10/2013	TD: 34.35	---	NM	---	937.88	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	28.99	---		908.89
	6/24/2015		---	NM	---		NM
	5/30/2018		---	30.53	---		907.35
	4/7/2020		---	24.96	---		912.92
	8/3/2022*		28.49	28.50	0.01		909.39
	4/25/2023*		27.54	27.56	0.02		910.34
	10/16/2024		---	30.48	---		907.40
EP-20	8/10/2013	13-35	---	NM	---	938.07	NM
	11/6/2013		---	NM	---		NM
	3/12/2015		---	29.58	---		908.49
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.02	---		907.05
	4/7/2020		---	25.66	---		912.41
	8/3/2022		---	29.13	---		908.94
	4/25/2023		---	27.81	---		910.26
	10/16/2024		---	32.32	---		905.75

Notes:

1. Groundwater depths were measured from the top of the PVC riser pipe.
2. Site datum based on assumed spot elevation.
3. NM = Not Measured
4. TD = Total Depth
5. DESTROYED = Well has been destroyed
6. ABANDONED = Well has been Abandoned
7. OBSTRUCTION = Well Obstructed
8. DRY = Well Gauged DRY
9. * = Groundwater Elevation corrected for the presence of free product using specific gravity of 0.85.

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Erin Jezek
Corrective Action & Field Support Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

BETTY LATHEM – TRUSTEE
2 W WASHINGTON ST STE 1100
GREENVILLE SC 29601

APR 01 2025



Re: **Site Specific Work Plan Request for Groundwater Sampling**
UST unknown 14324, 519 E N 1st St, Seneca, SC
UST Permit #14324
Release reported December 30, 1991
Monitoring Report received November 15, 2024
Oconee County

Dear Ms. Lathem:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and/or groundwater above Risk-Based Screening Levels.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $399,068.74 has been expended from the SUPERB Account to date.**

Your selected contractor has proposed groundwater sampling as the next appropriate scope of work. To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the S.C. UST Control Regulations R.61-92, submittal of the Site Specific Work Plan (SSWP) for groundwater sampling may proceed. All work must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at des.sc.gov/programs/bureau-land-waste-management/underground-storage-tanks/ust-quality-assurance-program-plan-qapp.

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. Only wells with screens that do not bracket the water table should be purged prior to sampling.

Your contractor must complete the SSWP and submit it within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from SCDES must be issued before work begins.**

If the plan cannot be submitted by the required due date, an extension must be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report/plan is not submitted by the required due date.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0608, by fax at (803) 898-0673, or by email at erin.jezek@des.sc.gov.

Sincerely,

Erin Jezek, Hydrogeologist

cc: Midlands Environmental Consultants, PO BOX 854, Lexington, SC 29071
Technical file

Midlands
Environmental
Consultants, Inc.

April 11, 2025

RECEIVED
APR 15 2025
UST DIVISION

UST
931
DOCKETING

Ms. Erin Jezek, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Environmental Services
2600 Bull Street
Columbia, South Carolina 29201

Subject: Site-Specific Work Plan
Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Jezek,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site. This plan outlines plans to perform a comprehensive groundwater water sampling event at the above referenced site.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist

Post Office Box 854, Lexington, SC 29071 • 231 Dooley Road, Lexington, SC 29073
Telephone: (803) 808-2043 • Fax: (803) 808-2048

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

To: Ms. Erin Jezek (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Unknown 14324 UST Permit #: 14324
Facility Address: 519 E 1st Street, Seneca, SC 29678
Responsible Party: Betty Lathem- Trustee Phone: 864-288-6480
RP Address: 2 West Washington Street, Suite 1100, Greenville, SC 29601
Property Owner (if different): Gary Alexander
Property Owner Address: 414 Edgewater Drive, Westminster, SC 29693
Current Use of Property: Maintenance Shop/ Abandoned Lot

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 (8260D)
- ☑ Oxygenates (8260D)
- ☑ EDB (8011)
- ☐ PAH (8270E)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260D)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ 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	2 Field Blank
38 Monitoring Wells	4 Surface Water	3 Duplicate	3 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 #: 14234 Facility Name: Unknown 14324

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 5/11/2025 Field Work Completion: 6/11/2025

Report Submittal: 7/11/2025 # of Copies Provided to Property Owners: _____

Aquifer Characterization

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

Investigation Derived Waste Disposal

Soil: _____ Tons Purge Water: 200.00 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/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.

-This SSWP is intended to cover one comprehensive groundwater sampling event at the site.

-Only wells which do not bracket the water table will be purged prior to sample collection.

-Deep well DDW-1 will be sampled at 5 seperate intervals utilizing passive Hydrasleeve samplers.

-MECI will attempt to collect samples from four nearby surface water locations.

-If free phase petroleum product is detected at the site, MECI proposals collecting samples beneath the Light Non-Aqueous Phased Liquid.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)

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

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

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

Name of Well Driller: _____

SCLLR Certification Number: _____

N/A 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

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** Proposal

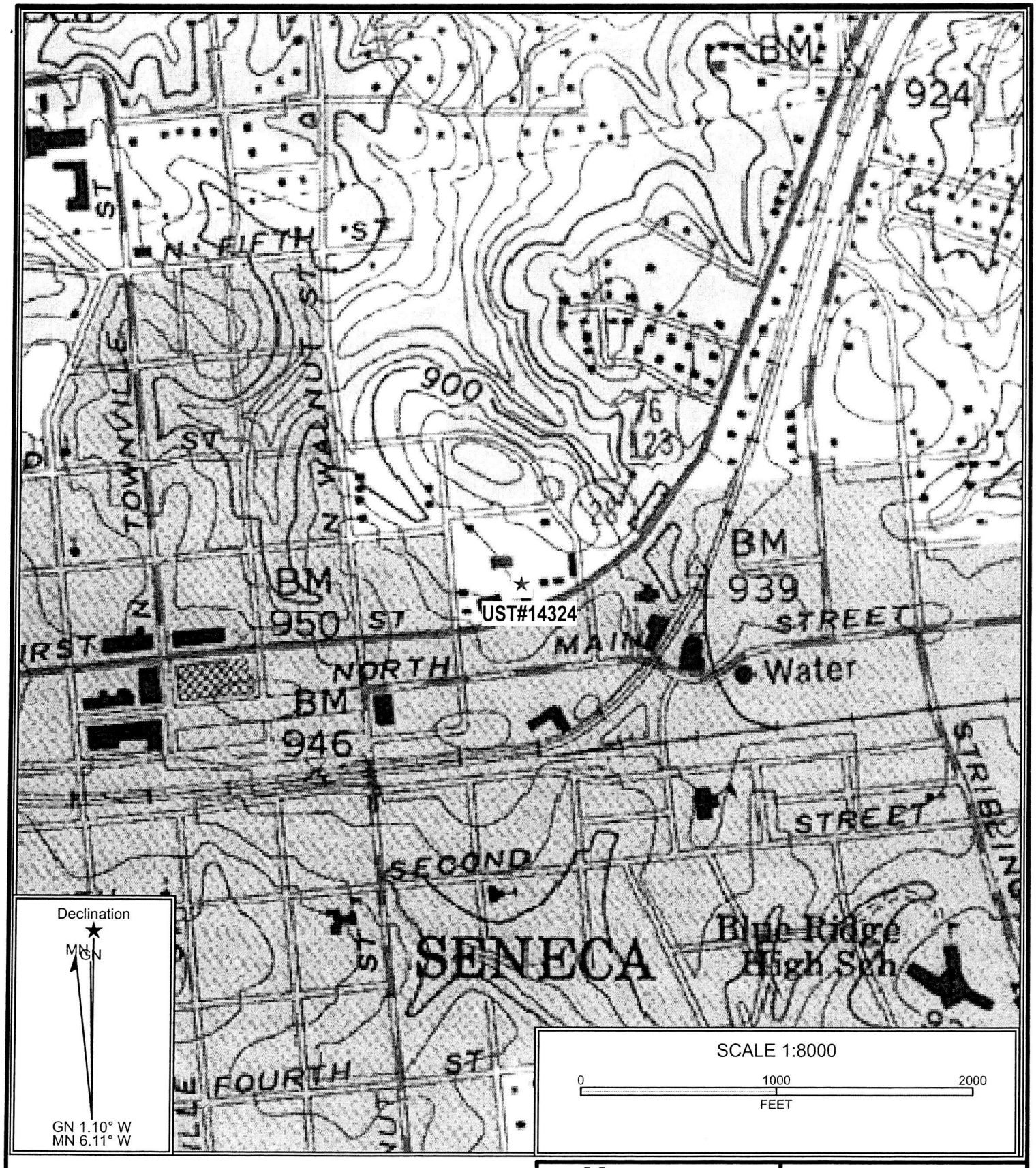
ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan	1	each	$183.22		$183.22
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel	3	each	$516.69		$1,550.07
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00

J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge	11	per well	$73.29		$806.19
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve	5	sample	$34.20		$171.00
4.2B No-purge Groundwater Sample/Surface wate	30	sample	$57.24		$1,717.20
5.2 Gauge Well only		sample	$8.55		$0.00
6.2 Sample Below Product	4	sample	$14.66		$58.64
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bla	5	sample	$30.06		$150.30
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	52	per sample	$149.02		$7,749.04
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	50	per sample	$55.21		$2,760.50
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00

K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	200	gallon	$1.19		$238.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00

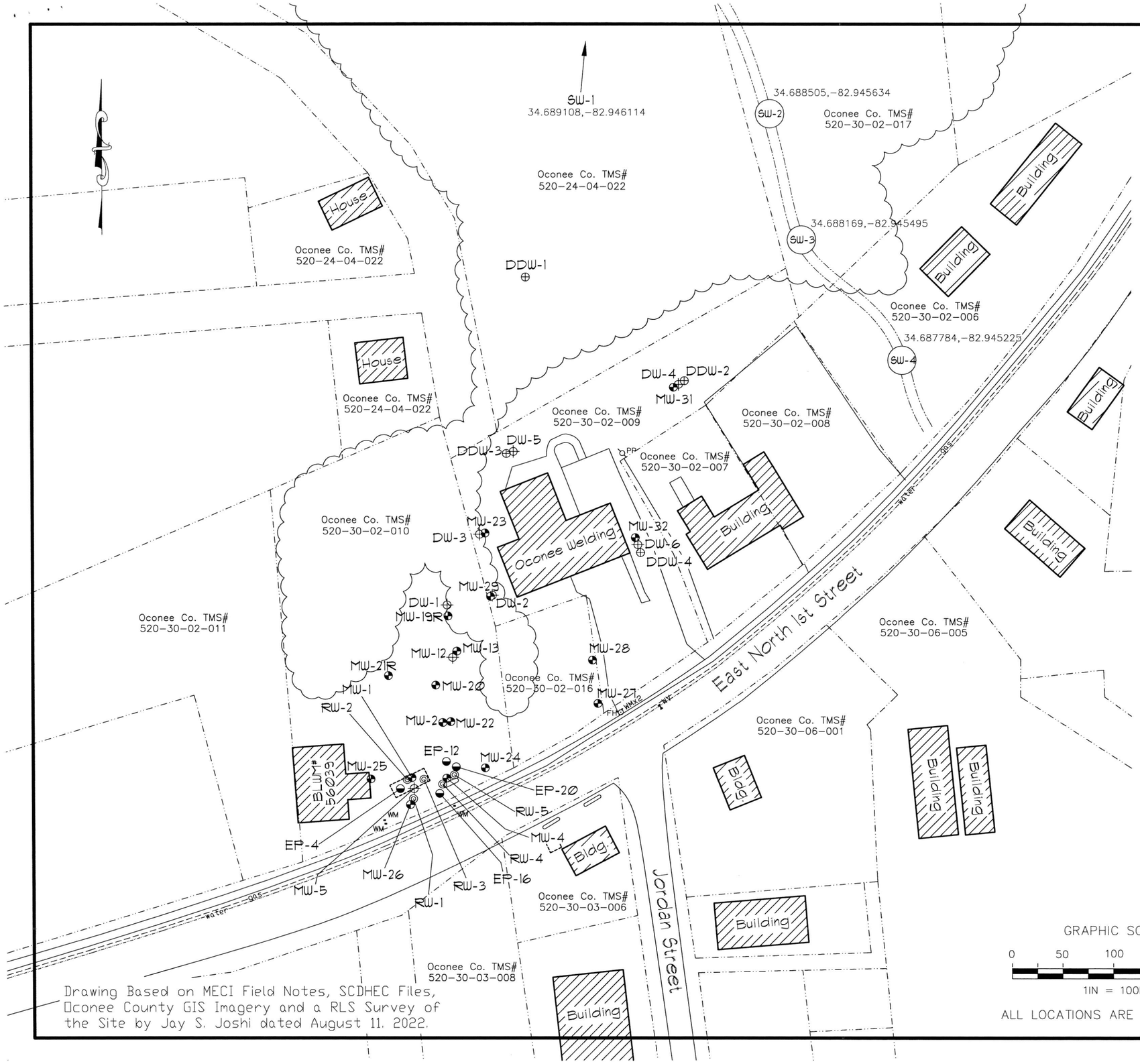
W. Aggressive Fluid & Vapor Recovery (AFVR)				
1.2 8-hour Event	per event	$1,787.40		$0.00
2.1 24-hour Event	per event	$4,407.78		$0.00
3.1 48-hour Event	per event	$7,242.29		$0.00
4.1 96-hour Event	per event	$14,482.28		$0.00
5.1 Off-gas Treatment 8 hour	per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour	per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour	per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	per event	$898.84		$0.00
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)	per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)	per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)	per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)	per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)	gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance	each	$302.40		$0.00
15.1 Additional Hook-ups	each	$29.68		$0.00
16.2 AFVR Effluent Disposal	gallon	$0.53		$0.00
17.2 AFVR Mobilization/Demobilization	each	$777.60		$0.00
18.1 Mobilization for absorbents/skimmers	each	$516.69		$0.00
19.1 Well sock 2" ID well	each	$36.94		$0.00
20.1 Well sock 4" ID well	each	$49.03		$0.00
21.1 pad (per pad)	each	$49.95		$0.00
22.1 3" diameter x 10' length boom	each	$108.00		$0.00
23.1 5" diameter x 10' length boom	each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)	each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)	each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)	each	$760.32		$0.00
27.1 Disposal of Absorbents	pound	$4.10		$0.00
28.1 Disposal of product from skimmers	gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:				
1.2 New GAC System Installation	each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install	each	$1,099.35		$0.00
3.2 Filter replacement/removal	each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment	each	$335.92		$0.00
5.2 GAC System housing	each	$305.38		$0.00
6.2 In-line particulate filter	each	$183.22		$0.00
7.2 Additional piping & fittings	foot	$1.84		$0.00

Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$15,384.16		$1,846.10
TOTAL					$17,230.26



Reference: Seneca, South Carolina
USGS 7.5 Min. Quad
Countour Interval – 20 Feet

Midlands Environmental Consultants, Inc.	Site Location
UST-Unknown #14324 519 East North 1st Street, Seneca, SC UST Permit# 14324	
Figure 1	MEC!# 24-8321



Explanation:

- Location of "Shallow" Monitoring Well
- Location of Telescoping "Intermediate" Monitoring Well
- Location of Telescoping "Deep" Monitoring Well
- Location of 2-Inch Extraction Point
- Location of 4-Inch Recovery Well
- (SW) Location of Surface Water Sample Collection
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas — Buried Gas Line
- water — Buried Water Line

GRAPHIC SCALE

0 50 100 150 200

1IN = 100FT

ALL LOCATIONS ARE APPROXIMATE

Site Base Map

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
UST Permit# 14324

Midlands Environmental Consultants, Inc.

JOB NO. 24-8321

DATE November 6, 2024

FIGURE 2

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Erin Jezek
Corrective Action & Field Support Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

BETTY LATHEM – TRUSTEE
C/O FOX ROTHSCHILD LLP
2 W WASHINGTON ST STE 1100
GREENVILLE SC 29601

MAY 07 2025



Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
UST Unknown 14324, 519 E N 1st St , Seneca, SC
UST Permit #14324; CA #69932
Release reported December 30, 1991
Site Specific Work Plan received April 15, 2025
Oconee County

Dear Ms. Lathem:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at des.sc.gov/programs/bureau-land-waste-management/underground-storage-tanks/ust-quality-assurance-program-plan-qapp.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third-party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $399,068.74 has been expended from the SUPERB Account to date.** This scope of work, as recommended by your contractor, is anticipated to cost approximately $17,625.90.

Please note the following changes to the cost agreement and SSWP:
- Line K.1.2 – Changed number of samples from 52 to 54
- Line K.7.2 – changed number of samples from 50 to 51

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

If the report cannot be submitted by the required due date, an extension may be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report is not submitted by the required due date.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work. **Per Section III.3.b of the SUPERB Site Rehabilitation and Fund Access Regulations (R.61-98), reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred.**

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a SCDES-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

The contractor will be responsible for keeping and preserving suitable records of hydrological and other site assessments, site plans, contracts, accounts, invoices, or other transactions related to the cleanup and rehabilitation and the records must be accessible to the department during regular business hours. In addition, this includes all subcontractor agreements, invoices, correspondence, plans, reports, records, including electronic and paper formats. All records must be maintained for 10 years after project completion.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0608, by fax at (803) 898-0673, or by email at erin.jezek@des.sc.gov.

Sincerely,

Erin Jezek, Hydrogeologist

enc: Approved Cost Agreement
cc: Midlands Environmental Consultants, PO BOX 854, Lexington, SC 29071 (w/ enc)
Technical file (w/ enc)

Approved Cost Agreement 69932

Facility: 14324 UST - UNKNOWN 14324
JEZEKEE
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION						
		1.2	SITE SPECIFIC WORK PLAN	1.0000	$183.220	183.22
D MOB/DEMOB						
		2.2	PERSONNEL	3.0000	$516.690	1,550.07
J SAMPLE COLLECTION						
		1.2	GROUND WATER PURGE	11.0000	$73.290	806.19
		4.1A	HYDRASLEEVE	5.0000	$34.200	171.00
		4.2B	NO-PURGE GROUNDWATER	30.0000	$57.240	1,717.20
		6.2	SAMPLE BELOW PRODUCT	4.0000	$14.660	58.64
		8.2	FIELD DUPL. (MWS & WSWS) & FB	5.0000	$30.060	150.30
K ANALYSES						
	GW GROUNDWATER	1.2	BTEXNM+OXYGS+1,2 DCA+ETH 8260D	54.0000	$149.020	8,047.08
		7.2	EDB BY EPA 8011	51.0000	$55.210	2,815.71
Q DISPOSAL						
		1.2	WASTEWATER	200.0000	$1.190	238.00
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	$15,737.410	1,888.49
					Total Amount	17,625.90

Outlook

UST#14324/CA#69932-Addendum

From jlc@meci.net <jlc@meci.net>
Date Tue 6/3/2025 2:06 PM
To Erin E. Jezek <erin.jezek@des.sc.gov>
Cc Stephanie M. Briney <Stephanie.Briney@des.sc.gov>



1 attachment (86 KB)
69932_Addendum.xlsx;

Erin,

Please find the attached addendum for the above referenced site. Let me know if you have any questions or concerns.

Have a great rest of your day!

Thanks,

Midlands Environmental Consultants, Inc.

Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

SC DEPARTMENT of ENVIRONMENTAL SERVICES

ASSESSMENT COMPONENT COST AGREEMENT
South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: UST Unknown 14324

UST Permit #: 14324 **Cost Agreement #:** 69932

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan		each	$183.22		$0.00
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel		each	$516.69		$0.00
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge	1	per well	$73.29		$73.29
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface wate	-3	sample	$57.24		($171.72)
5.2 Gauge Well only	1	sample	$8.55		$8.55
6.2 Sample Below Product	-3	sample	$14.66		($43.98)
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bla	-1	sample	$30.06		($30.06)
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	-3	per sample	$149.02		($447.06)
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00

Addendum

Previously Approved:	$17,625.90
Increase:	($989.23)
New Approved Total:	**$16,636.67**

Project Manager: _____

Section Manager: _____

Finance: _____

Date: _____

# of pages ___	
	From:
	UST/SCDHEC
fax # ( )	
Phone # ( )	

The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria.

7.2 EDB by EPA 8011	-2	per sample	$55.21		($110.42)
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	-136	gallon	$1.19		($161.84)
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event		per event	$14,482.28		$0.00
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour		per event	$898.84		$0.00
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00

10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal		gallon	$0.53		$0.00
17.2 AFVR Mobilization/Demobilization		each	$777.60		$0.00
18.1 Mobilization for absorbents/skimmers		each	$516.69		$0.00
19.1 Well sock 2" ID well		each	$36.94		$0.00
20.1 Well sock 4" ID well		each	$49.03		$0.00
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents		pound	$4.10		$0.00
28.1 Disposal of product from skimmers		gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00
Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	($883.24)		($105.99)
TOTAL					($989.23)

Document Receipt Information

☒ Hard Copy ☒ CD ☐ Email

Date Received 6-11-25

Permit Number 14324

Project Manager Erin Jenyk

Name of Contractor MECI

Description GWM

Docket Number 9N Tech

Scanned _____

Verified _____

GROUNDWATER MONITORING REPORT

UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324
CA # 69932

Prepared By:

Midlands Environmental Consultants, Inc.
231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

June 3, 2025

MECI Project No. 25-8504

Midlands Environmental Consultants, Inc.

June 3, 2025

Ms. Erin Jezek, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land & Waste Management
South Carolina Department of Environmental Services
2600 Bull Street
Columbia, South Carolina 29201

Subject: Groundwater Monitoring Report
UST-Unknown 14324
519 East North 1st Street
Seneca, South Carolina
Oconee County
UST Permit# 14324; CA# 69932
MECI Project# 25-8504
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Jezek,

On behalf of Ms. Betty Lathem (Trustee), Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Groundwater Monitoring Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Environmental Services (SCDES) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.

SOUTH CAROLINA REGISTERED PROFESSIONAL GEOLOGIST No. 1102 BRYAN T. SHANE

Jeff L. Coleman
Senior Scientist

Bryan T. Shane, P.G.
Principal Geologist

Cc:

Oconee Welding Supply, Inc., 601 E North 1ST Street, Seneca, SC 29678
Wayne & Brenda Frady, 430 E North 5TH Street, Seneca, SC 29678

TABLE OF CONTENTS

1.0 INTRODUCTION **1**

2.0 RECEPTOR SURVEY & SITE DATA **2**

3.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES **4**

4.0 ANALYTICAL RESULTS **6**

5.0 MONITORING SUMMARY **7**

6.0 COMMENTS & RECOMMENDATIONS **8**

7.0 QUALIFICATIONS OF REPORT **9**

TABLE OF CONTENTS (cont.)

TABLES: Table 1 – GROUNDWATER COC CONCENTRATION DATA
Table 2 – POTENTIOMETRIC DATA

FIGURES: Figure 1 – TOPOGRAPHIC MAP
Figure 2 – SITE BASE MAP
Figure 3 – GROUNDWATER COC SITE MAP
Figure 3A – GROUNDWATER COC SITE MAP (Oxygenates)
Figure 4 – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Shallow" Zone)
Figure 4A – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Intermediate" Zone)
Figure 4B – POTENTIOMETRIC DATA SITE MAP (Groundwater Contour / "Deep" Zone)
Figure 5 – TOTAL BTEX ISOPLETH ("Shallow" Zone)
Figure 5A – NAPHTHALENE ISOPLETH ("Shallow" Zone)
Figure 5B – EDB ISOPLETH ("Shallow" Zone)
Figure 5C – TOTAL BTEX ISOPLETH ("Intermediate" Zone)
Figure 5D – NAPHTHALENE ISOPLETH ("Intermediate" Zone)
Figure 5E – EDB ISOPLETH ("Intermediate" Zone)

**APPENDIX A – SITE SURVEY
APPENDIX B – SAMPLING LOGS, LABORATORY DATA SHEETS AND CHAIN OF CUSTODY FORMS
**APPENDIX C – TAX MAP DATA
**APPENDIX D – SOIL BORING/TEMPORARY MONITORING WELL LOGS & 1903 FORMS
**APPENDIX E – PERMANENT WELL LOGS & 1903 FORMS
**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
APPENDIX G – DISPOSAL MANIFESTS
**APPENDIX H – LOCAL ZONING REGULATIONS
**APPENDIX I – FATE & TRANSPORT MODELING
**APPENDIX J – ACCESS AGREEMENTS
APPENDIX K – DATA VERIFICATION CHECKLIST
APPENDIX L – DETAILED RECEPTOR INFORMATION
APPENDIX M – PHOTOS

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

i. Facility Information

Name:	UST-Unknown 14324
UST Permit#	14324
Address:	519 East North 1st Street, Seneca, SC 29678
Telephone #:	N/A

ii. Owner/Operator Information

Name	Ms. Betty Lathem (Trustee)
Address	2 West Washington Street, Suite 1100, Greenville, SC 29601
Telephone #	(864) 288-6480

iii. Property Owner Information

Name	Gary Alexander
Tax Map #:	Oconee County Tax Map#: 520-30-02-010
Address	414 Edgewater Drive, Westminster, SC 29693
Telephone #	(864) 719-0477

iv. Contractor Information

Name:	Midlands Environmental Consultants, Inc.
Certification #:	9
Address:	231 Dooley Road, Lexington, SC 29073
Telephone #:	(803) 808-2043

v. Well Driller Information

Name:	N/A
Certification #:	N/A
Address:	N/A
Telephone #:	N/A

vi. Laboratory Information

Name:	Pace Analytical Services, LLC.
Certification #:	99006001
Address:	9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #:	(704) 875-9092

vi. Facility History

Release Date:		12/30/1991	
Estimated Quantity of Release:		Unknown	
Other Releases at Facility:		N/A	
Release Ranking:		2BA	
Current Site Usage:		Vacant Lot	
Tank #	**Capacity/Product**	**In Use/Abandoned**	**Tank Status**
1	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
2	1,000 Gal. Gasoline	Abandoned	Removed (12/19/1991)
3	500 Gal. Kerosene	Abandoned	Removed (12/19/1991)

vii. Regional Geology and Hydrogeology

The site is located in the Piedmont Physiographic Province of South Carolina, an area underlain by ancient igneous and metamorphic rocks. The soils in this province are generally residual soils that are underlain by rock at highly varying depths.

The soils encountered in this area are the product of in-place weathering of rocks similar to the rocks underlying the site. In areas not altered by erosion or disturbed by the activities of man, the typical residual soil profile consists of near surface clayey soils and underlying sandy silt and sand. The boundary between soil and rock is gradational. A transitional zone termed "weathered rock" is normally found overlying the parent bedrock. This zone is typically the most transmissive zone for groundwater movement. Consequently, the topography of the bedrock surface is uneven, even over short horizontal distances. It is not unusual to find lenses and boulders of hard rock and zones of weathered rock within the soil mantle well above the general bedrock level.

Local precipitation is the source of practically all of the groundwater in Greenville County. A portion of the precipitation infiltrates into the ground and moves under the influence of gravity to the surficial aquifer. After the water has reached the surficial aquifer, the direction of movement is generally parallel to the hydraulic gradient. In the Piedmont Province, the slope of the surficial aquifer's surface under static conditions (no pumping interference) approximates the topography of an area. Thus, the movement of groundwater within the soil mantel is typically in the direction of the topographic slope. Local groundwater flow patterns may be affected by disturbed areas such as tank pits, utility trenches, building foundations, borings, wells, etc. Groundwater flow in fractured rock is often difficult to interpret due to the variability of fracture connectivity and orientation.

2.0 RECEPTOR SURVEY & SITE DATA

i. Known Potential Receptors

Receptor ID#	Notes
SW-1	SW-1 was collected from a creek located approximately 900' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.689108, -82.946114
SW-2	SW-2 was collected from a creek located approximately 750' feet north-northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688505, -82.945634
SW-3	SW-3 was collected from a creek located approximately 650' feet northeast of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.688169, -82.945495
SW-4	SW-4 was collected from a creek located approximately 600' feet east of the site. This creek is an unnamed tributary associated with the Cane Creek. GPS Coordinates for this surface water collection area are: 34.687784, -82.945225
Underground Utilities	
Known underground utilities at the site include buried water, communication, gas and sewer lines.	

ii. Receptor Survey Results

In 2022, MECI personnel reviewed the surrounding area for a distance of approximately 1,000 feet to determine if there were any potential receptors for the migration of contaminated groundwater. During the review, MECI personnel identified one stream within the search radius. The receptor

search included a driving tour of the area, interviews with available property owners, and review of the U.S. Fish & Wildlife Service's (USFWS) Wetlands Mapper.

iii. Site/Adjacent Land Usage (Residential, Commercial, Agricultural, Industrial, etc.)

Site	Commercial
North	Residential
South	Commercial
East	Commercial
West	Commercial
Permit #'s of UST Sites within 1,000' feet of site	07304, 11419

In addition to the above noted UST facilities known to be located within 1,000' feet of the subject site, the site itself is also documented to have been a former dry-cleaning facility (Tri-City Cleaners-BLMW# 56039). Furthermore, there appears to be an undocumented former gasoline service station located directly south of the subject site at Oconee County Tax Map #520-30-03-006.

iv. Site Specific Geology and Hydrogeology

The mean elevation of the property, as depicted on the local USGS quadrangle (Seneca, South Carolina), appears to be approximately 960 feet above sea level.

According to Horton et al. (Preliminary digital geologic map of the Appalachian Piedmont and Blue Ridge, South Carolina segment), the subject site is located in the Wallhalla Metamorphic Suite. The Wallhalla Metamorphic Suite is compromised predominately of hornblende-plagioclase gneiss and amphibolite with interlayers of biotite-quartz-felspar gneiss in localized undivided settings.

Piedmont soils were encountered during drilling activities conducted at the site during previous assessment activities. A generalized vertical profile to the investigated depth of 120' feet below ground surface (BGS) is as follows:

Depth (Feet BGS)	Generalized Soil Description
0.0'-15.0'	Red/Brown, Silty Fine to Coarse SAND
15.0'-75.0'	Brown, Fine to Medium Sandy Micaceous SILT
Bedrock was encountered at depths ranging from 53.0' feet below ground surface (BGS) in DDW-1 to 82.0' feet BGS in DDW-2.	

The following table presents grain size distribution results from samples analyzed for grain size during previous assessment activities:

Sample ID#	Sample Depth	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt	% Clay
14324-MW32	35.0'-40.0'	3.1	10.0	30.0	32.0	18.9	6.0
14324-DW05	60.0'-65.0'	1.4	6.0	37.0	40.7	11.9	3.0
14324-DDW04	85.0'-90.0'	12.8	23.0	28.0	31.4	3.8	1.0

On May 19, 2025, stabilized groundwater levels were measured in the monitoring well network. Depth to groundwater ranged from 21.20 feet below top of casing (BTOC) to 60.99 feet BTOC in the wells

measured. The groundwater measurements are summarized in tabular form in Table 2 and presented on Figure 4/4A/4B.

The potentiometric surface indicates that the groundwater flow beneath the site is generally to the east/northeast, toward an unnamed tributary associated with the Cane Creek. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

3.0 GROUNDWATER SAMPLING AND CHEMICAL ANALYSES

On May 19, 2025, MECI personnel collected groundwater samples from thirty-seven (37) monitoring wells and four (4) surface water locations. One (1) monitoring well (MW-23) was gauged and determined to be dry. During sampling activities, free phase petroleum product was detected in well RW-5. Samples were collected beneath the free phase petroleum product layer from this well which exhibited free phase product. As approved by SCDES, only monitoring wells which did not bracket the water table were to be purged prior to sample collection. Twelve (12) monitoring wells were purged prior to sample collection. Monitoring well DDW-1 was sampled utilizing a Hydrasleeve™ tether compromising of five discreet sampling depths (83.5', 92.5', 102.5', 112.5' and 119.5').

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Unless otherwise noted (DDW-1), sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (^{o}C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets present the results of the field measurements obtained. The wells were sampled in accordance with SCDES's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

The following sampling matrix summarizes well development and requested analyses for each monitoring well:

Sample ID	Purge	No Purge	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
MW-1		X					X	X	X	X				
MW-2		X					X	X	X	X				
MW-3						X								

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	No Purge	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
MW-4		X					X	X	X	X				
MW-5	X						X	X	X	X				
MW-8						X								
MW-12	X						X	X	X	X				
MW-13		X					X	X	X	X				
MW-19R		X					X	X	X	X				
MW-20		X					X	X	X	X				
MW-21R		X					X	X	X	X				
MW-22		X					X	X	X	X				
MW-23			X											
MW-24		X					X	X	X	X				
MW-25		X					X	X	X	X				
MW-26		X					X	X	X	X				
MW-27		X					X	X	X	X				
MW-28		X					X	X	X	X				
MW-29		X					X	X	X	X				
MW-30						X								
MW-31		X					X	X	X	X				
MW-32		X					X	X	X	X				
DW-1	X						X	X	X	X				
DW-2	X						X	X	X	X				
DW-3	X						X	X	X	X				
DW-4	X						X	X	X	X				
DW-5	X						X	X	X	X				
DW-6	X						X	X	X	X				
DDW-1 (83.5')					X		X	X	X	X				
DDW-1 (92.5')					X		X	X	X	X				
DDW-1 (102.5')					X		X	X	X	X				
DDW-1 (112.5')					X		X	X	X	X				
DDW-1 (119.5')					X		X	X	X	X				
DDW-2	X						X	X	X	X				
DDW-3	X						X	X	X	X				
DDW-4	X						X	X	X	X				
RW-1		X					X	X	X	X				
RW-2		X					X	X	X	X				
RW-3		X					X	X	X	X				
RW-4		X					X	X	X	X				
RW-5		X					X	X	X	X				
EP-4		X					X	X	X	X				
EP-12		X					X	X	X	X				
EP-16	X						X	X	X	X				
EP-20		X					X	X	X	X				
SW-1		X					X	X	X	X				
SW-2		X					X	X	X	X				
SW-3		X					X	X	X	X				
SW-4		X					X	X	X	X				
DUP-1(MW-20)				X			X	X	X	X				

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

Sample ID	Purge	Sampled Under Product	Gauge Only	Field Duplicate/Blank	Hydrasleeve™	Well Abandoned	BTEX, Naphthalene, MTBE (EPA Method 8260-D)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-D)	8 Oxygenates (EPA Method 8260-D)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	PAHs (EPA Method 8270D)
							Analyte Sampled							
DUP-2(MW-13)				X			X	X	X	X				
DUP-3(MW-22)				X			X	X	X	X				
Field Blank				X			X	X	X	X				
Trip Blank 1							X		X	X				
Trip Blank 2							X		X	X				

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide

The results of the laboratory analyses are summarized in Table 1 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 64.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached in Appendix G and the required post-GAC laboratory results in presented in Appendix B.

4.0 ANALYTICAL RESULTS

Free phase petroleum product was detected in monitoring well RW-5 at a thickness of 0.02' feet. Samples were collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- The analytical results indicate petroleum impact to the "shallow" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of the former UST system.
- The analytical results indicate petroleum impact to the "intermediate" zone of surficial aquifer, with the highest dissolved concentrations being detected in the area of DW-2.
- The analytical results did not indicate petroleum impact to the "deep" zone.
- The analytical results indicated petroleum impact in surface water location SW-1. EDB was detected in SW-1 at 0.076 µg/l. Samples collected from SW-2, SW-3 and SW-4 did not indicate petroleum impact.

Of the forty-one sampling locations analyzed, twenty-seven monitoring wells (MW-1, MW-2, MW-4, MW-12, MW-13, MW-19R, MW-20, MW-22, MW-24, MW-25, MW-26, MW-27, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 and EP-20) and one surface water location (SW-1) detected petroleum constituents above Risk-Based Screening Levels (RBSL's).

Petroleum constituents detected above the established RBSL include:

Compound	***RBSL (ug/l)***	***Wells Above RBSL***
Product	>0.01'	RW-5
Benzene	5	MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-25, MW-26, MW-29, DW-1, DW-2, DW-3, DW-4, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Toluene	1,000	MW-2, MW-4, MW-12, MW-13, MW-22, MW-24, MW-26, MW-29, DW-2, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Ethylbenzene	700	MW-1, MW-2, MW-4, MW-12, MW-13, MW-24, MW-26, MW-29, DW-2, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Total Xylenes	10,000	MW-4, MW-26, RW-1, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
Naphthalene	25	MW-1, MW-2, MW-4, MW-12, MW-13, MW-20, MW-22, MW-24, MW-26, MW-29, DW-2, DW-4, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 & EP-20
MTBE	40	N/A
1,2 DCA	5	MW-24 & DW-6
EDB	0.05	MW-2, MW-4, MW-12, MW-13, MW-19R, MW-20, MW-22, MW-24, MW-26, MW-27, MW-29, DW-1, DW-2, DW-3, DW-4, RW-1, RW-2, RW-3, RW-4, RW-5, EP-12, EP-16, EP-20 & SW-1
TAA	240	MW-24
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A

The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-28; however, the concentrations detected did not exceed the RBSL. The results of the analyses for each monitoring well and specific parameters are listed on Table 1 and provided in Appendix B.

5.0 MONITORING SUMMARY

- Impacted groundwater appears to be flowing to the east-northeast toward an unnamed tributary associated with the Cane Creek.

- Based on the results of groundwater monitoring activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The contaminants appear to be gasoline range constituents.

- Free phase petroleum product was detected in monitoring well RW-5 at a thickness of 0.02' feet. Samples were collected beneath the light non-aqueous phased liquid (LNAPL) layer during sampling activities.

- Samples were collected from thirty-seven monitoring wells and four surface water locations On May 19, 2025. Of the forty-one sampling locations analyzed, twenty-seven monitoring wells (MW-1, MW-2, MW-4, MW-12, MW-13, MW-19R, MW-20, MW-22, MW-24, MW-

25, MW-26, MW-27, MW-29, DW-1, DW-2, DW-3, DW-4, DW-6, RW-1, RW-2, RW-3, RW-4, RW-5, EP-4, EP-12, EP-16 and EP-20) and one surface water location (SW-1) detected petroleum constituents above Risk-Based Screening Levels (RBSL's). Chemicals of concern (CoC's) detected at the site include: Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, 1,2 DCA, EDB and TAA.

- The analytical results also detected petroleum constituents above the laboratory method detection limits and/or "J" values in samples collected from MW-28; however, the concentrations detected did not exceed the RBSL.

- In order to assess precision, field duplicate samples were collected and analyzed along with the reviewed batch samples. The duplicated samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the Relative Percent Differences (RPD) between each pair of samples. The RPD control limit for the groundwater samples is 20%. Duplicate samples were collected from the parent samples of MW-13, MW-20 and MW-22. The precision for the target analytes were met for these sample pairs and the analytical results detected the same compounds at similar concentrations. Furthermore, field blanks and trip blanks were collected and submitted during the groundwater sampling activities. No detectable concentrations of the requested method constituents were reported in any of the field or trip blanks.

6.0 COMMENTS & RECOMMENDATIONS

- In addition to the petroleum product detected in RW-5 on May 19, 2025, Toluene results in MW-26, RW-1 and RW-4 and Ethylbenzene results in EP-12 were detected at levels above effective solubility which may indicate the potential for residual product remaining in the areas of these monitoring locations.

- Based on the current analytical data, the contaminant plume does not appear to be defined horizontally or vertically in relation to RBSL's.

- Data gaps currently persist: up-gradient (west) and side-gradient (south) horizontally in the "shallow" aquifer and the horizontal extent of the "intermediate" zone. These data gaps currently persist due to property access issues and drill rig accessibility. It should be noted that monitoring wells installed in association with UST#07304 and UST#11419 may aid in defining the plume upgradient and to the west of the source area of UST# 14324.

- Upon review of current and historical chemicals of concern (CoC) data, our findings indicate that CoC concentrations have: increased in monitoring wells MW-2 and MW-24, decreased in monitoring well MW-22, and the remainder of the sampling locations have generally remained constant.

- MECI recommends a series of surfactant enhanced Aggressive Fluid Vapor Recovery (AFVR) events be completed to remove free phase petroleum product and reduce elevated CoC concentrations in the source area. Following the proposed AFVR event, a selective groundwater sampling event should be conducted to determine the effectiveness of the AFVR events.

- MECI request the site be modeled to current site conditions and the Site-Specific Target Levels (SSTL's) be relinquished to our office. Based on the modeling, MECI will be able to better comment on further assessment or corrective action needs at the site.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of the Ms. Betty Latham (Trustee), SCDES, and MECI under mutually agreed upon terms and conditions. If other parties wish to rely on this report, please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

-oOo-

TABLES

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-1	8/10/13	<100	130	**819**	6610	**393**	<100	NT	**0.33**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<125	159	**1220**	9360	**774**	<125	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<100	139	**847**	7070	**630**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	<5.0	<5.0	60.8	215	**37.5**	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	0.741 J	78.2	227	**49.2**	<0.810	<0.250	<0.00490	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	112	395	**76.9**	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24*	<17.4	<20.1	471	2270	**246**	<31.0	<20.6	<0.0080	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
	5/19/25	<21.8	<25.1	**703**	3410	**442**	<38.8	<25.8	<0.0081	<820	<38.0	<674	<1140	<301	<43.6	<1800	<106
MW-2	8/10/13	**3770**	**6000**	**369**	2436	**102**	<5	NT	**61.20**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	**4430**	**10200**	**1220**	6990	**542**	<250	NT	**61.10**	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**13200**	**24200**	**1540**	**11400**	**529**	<50.0	<50.0	**201**	5,520	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	5/30/18	**13300**	**27500**	**2350**	**12600**	**809J**	<1,000	<1,000	**261**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	4/7/20	**12500**	**30500**	**2150**	**11200**	**646J**	<1,250	<1,250	**107**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**2720**	**10000**	**1590**	9090	**611**	<81.0	<25.0	**13.7**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**9090**	**24100**	**2120**	**11900**	**545 J**	<388	<258	**67.5**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	10/16/24	**3140 J**	**8110**	<1840	<5000	<2090	<3100	<2060	<0.0079	<65600	<3040	<53900	<91000	<24100	<3490	<144000	<8460
	5/19/25	**9410**	**23300**	**1600**	9510	**471 J**	<388	<258	**100**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
MW-3	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**259**	**3390**	**1230**	6020	**374**	<25.0	<25.0	<0.020	<500	<50.0	<50.0	<500	<250	<25.0	<1,000	<50.0
	5/30/18	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-4	8/10/13	**443**	**1530**	163	7980	**1080**	<50	NT	**196**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**21500**	**26100**	**1220**	**10900**	**1050**	<125	**93.9J**	**687**	**4170**	<250	<2,500	<2,500	<1,250	**156**	<5,000	<250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**3410**	**8470**	594J	5420	**507J**	<625	<625	**113**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**11100**	**22600**	**1580**	**10900**	**1030**	<162	<50.0	**69.2**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/25/23	**12900**	**33800**	**2180**	**13400**	**750 J**	<775	<515	**293**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	10/16/24	**16500**	**26900**	**1800**	**12600**	**773 J**	<775	<515	<0.0075	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	5/19/25	**14900**	**21800**	**1090**	**15300**	**1020**	<388	<258	**331**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
MW-5	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	**5.60**	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**18100**	**33900**	**1520**	8040	**516**	<125	<125	**122**	**4340**	<250	<2500	<2,500	<1,250	<125	<5,000	<250
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.096**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**3340**	**6990**	609	3110	**174J**	<250	<250	**13.3**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**979**	**1610**	315	1470	**91.8**	<8.10	<2.50	**9.50**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**21.4**	45.3	5.5	27.9	<2.1	<3.1	<2.1	**0.12**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	3360	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-8	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.030	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-12	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**6400**	**12000**	**817**	5650	**247**	<25.0	**44.7**	**23.1**	**1550**	<50.0	<500	<500	<250	38.6	<1,000	<50.0
	5/30/18	**7340**	**18900**	**1190**	6770	**404J**	<625	<625	**154**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	4/7/20	**3090**	**9320**	628	3130	**213J**	<250	<250	**14.7**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**3290**	**11400**	**982**	5610	**543**	<81.0	**57.2 J**	**20.1**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**4060**	**14600**	**1360**	6900	**422 J**	<310	<206	**25.7**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	10/16/24	**2980**	**8870**	**945**	5670	**349 J**	<310	<206	**21.7**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	5/19/25	**2000**	**6670**	**762**	4370	**243 J**	<155	<103	**15.1**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
MW-13	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	**2610**	**7620**	**1220**	7420	**629**	<125	<125	**43.2**	<2,500	<250	<2,500	<2,500	<1250	<125	<5,000	<250
	5/30/18	**2280**	**3190**	427	3370	**171**	<100	<100	**38.6**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**1050**	**2770**	260	1700	**146**	<125	<125	**16.7**	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	8/3/22	**3350**	**6840**	**960**	5070	**400**	<40.5	**20.3 J**	**24.9**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/25/23	**2520**	**4690**	404	2560	**205**	<124	<82.4	**29.4**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24	**2400**	**6180**	675	3860	**248**	<124	<82.4	**24.4**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	5/19/25	**4930**	**11000**	**1040**	5740	**383 J**	<310	<206	**38.1**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
MW-19	8/10/13	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	11/6/13	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NT	<0.020	NT	NT	NT	NT	NT	NT	NT	NT
	3/12/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.025	<100	<10.0	<100	<100	<50.0	<5.0	5910	<10.0
	4/7/20	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-19R	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.040	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.089**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	0.418 J	27.4	5.35	<0.810	0.258 J	**0.151**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	1.8 J	<2.0	<1.8	124	10.9	<3.1	<2.1	**0.11**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	2.3 J	<3.1	<2.1	<0.0086	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	4.2 J	<2.0	<1.8	90.2	16.9	<3.1	<2.1	**0.20**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-20	5/30/18	**38.9**	3.2J	6.9	31.7	3.9J	<5.0	<5.0	**0.17**	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	**316**	15.4	83.3	546	**60.5**	<12.5	<12.5	**1.10**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**416**	44.3	232	1520	**169**	<8.10	<2.50	**1.19**	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	**33.1**	4.0 J	45.9	417	**75.9**	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	**1600**	476	630	2900	**186**	<38.8	<25.8	**5.5**	**826 J**	<38.0	<674	<1140	<301	<43.6	<1800	<106
	5/19/25	**1570**	414	649	2810	**236**	<38.8	<25.8	**5.3**	<820	<38.0	<674	<1140	<301	<43.6	<1800	<106
MW-21	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-21R	4/7/20	<5.0	2.8J	<5.0	<5.0	2.5J	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-22	5/30/18	**338**	731	58	399	16.3J	<25.0	<25.0	**3.8**	<500	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	4/7/20	**2550**	**5790**	317	1820	**141J**	<200	<200	**29.0**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**6310**	**18300**	**2060**	**10700**	**420 J**	<81.0	<25.0	**44.8**	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**5620**	**14500**	**1270**	7050	**373 J**	<310	<206	**46.1**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	10/16/24	**9510**	**19700**	**1570**	8580	**450 J**	<310	<206	**173**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	5/19/25	**3570**	**7510**	593	3250	**166 J**	<155	<103	**45.4**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
MW-23	5/30/18	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00526	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	5/19/25	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	5/30/18	**14**	17	1.8J	24	<5.0	<5.0	**6.4**	**2.9**	<100	<10.0	<100	<100	<50.0	2.5J	<200	<10.0
	4/7/20	**6730**	**6630**	486	3150	**187J**	<200	**508**	**207**	**3500J**	<400	<4,000	<4,000	<2,000	**165J**	<8,000	<400
	8/3/22	**4760**	**9790**	**1350**	8740	**543**	<40.5	**251**	**156**	<430	<39.0	<350	<345	<345	101 J	<2500	<36.0
	4/25/23	**3940**	**4040**	474	3330	**177 J**	<124	**254**	**134**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24	**610**	898	79.6	737	**38.2**	<15.5	**37.0**	<0.0079	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
	5/19/25	**17900**	**17000**	**1230**	7990	**334 J**	<310	**976**	**447**	<6560	<304	<5390	<9100	<2410	**533**	<14400	<846
MW-25	5/30/18	**4.4J**	9.5	8.7	50.2	<5.0	<5.0	<5.0	<0.019	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	4/7/20	2.5J	<5.0	13.9	70.2	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	8/3/22	**10.7**	72.1	56.5	174	<2.40	<0.810	<0.250	0.0260	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	3.4 J	5.5	20.4	170	<2.1	<3.1	<2.1	<0.0076	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	3.9 J	6.0	62.8	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	**7.0**	<2.0	7.4	245	8.6	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-26	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**7130**	**21100**	**1320**	**10200**	**991**	<625	<625	**109**	<12,500	<1,250	<12,500	<12,500	<6,250	<625	<25,000	<1,250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/16/24	**13800**	**26600**	**1910**	9920	**537 J**	<775	<515	<0.0077	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	5/19/25	**13800**	**40800**	**3060**	**21300**	**954 J**	<775	<515	**232**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
MW-27	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.0103 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	**0.15**	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-28	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10.0	<100	<100.0	<50.0	<5.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00966 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0082	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	0.015 J	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-29	4/7/20	**4290**	**5570**	**907**	5300	**377**	<250	<250	<0.020	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**218**	213	81.4	472	**195 J**	<40.5	<12.5	**14.5**	<430	<39.0	<350	<345	<345	<35.0	<2500	<36.0
	4/24/23	**2380**	**2070**	**737**	4230	**339**	<77.5	<51.5	**23.0**	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
	10/16/24	**2470**	**2790**	**832**	4440	**327**	<62.0	<41.2	**23.9**	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
	5/19/25	**2520**	**3150**	**868**	4600	**432**	<77.5	<51.5	**20.3**	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
MW-30	8/3/22	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
MW-31	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.0515	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-32	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	1.54	0.0327	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
DW-1	5/30/18	**2240**	**1260**	161	1130	**88.5J**	<100	<100	**10.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	**2550**	**1660**	209	1140	**114**	<100	<100	**9.2**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	8/3/22	**2420**	49.8	75.4	627	**27.4**	<0.810	**19.7**	**8.42**	**746**	<0.780	<7.00	<6.90	<6.90	24.9	<50.0	<0.720
	4/24/23	**2780**	608	92.2 J	1010	<41.8	<62.0	<41.2	**6.7**	<1310	<60.8	<1080	<1820	<482	<69.8	<2880	<169
	10/16/24	**1820**	124	22.5 J	568	**35.1 J**	<31.0	<20.6	**6.7**	**678 J**	<30.4	<539	<910	<241	<34.9	<1440	<84.6
	5/19/25	**1190**	49.7 J	<18.4	439	<20.9	<31.0	<20.6	**4.1**	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-2	4/7/20	**12800**	**10100**	**1050**	6090	**401J**	<500	<500	**79.2**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**8560**	**7790**	**874**	5040	<480	<162	<50.0	**55.9**	<1720	<156	<1400	<1380	<1380	<140	<10000	<144
	4/24/23	**7480**	**6360**	685	4420	**172 J**	<155	<103	**73.7**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
	10/16/24	**5870**	**5250**	381	3690	**134 J**	<155	<103	<0.0082	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
	5/19/25	**7500**	**9080**	**1020**	6040	**297**	<155	<103	**36.8**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
DW-3	4/7/20	**307**	<12.5	<12.5	237	12.0J	<12.5	**6.5J**	**1.6**	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
	8/3/22	**138**	<0.250	<0.200	194	11.2	<0.810	**5.60**	**0.979**	140	<0.780	<7.00	13.0 J	<6.90	6.41 J	<50.0	<0.720
	4/24/23	**312**	<5.0	<4.6	187	15.4	<7.8	**5.9 J**	**1.7**	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
	10/16/24	**251**	<5.0	<4.6	143	11.3 J	<7.8	<5.2	**0.78**	<164	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
	5/19/25	**207**	<4.0	<3.7	72.2	10.2	<6.2	4.1 J	**0.51**	<131	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
DW-4	8/3/22	**1370**	9.13	5.18	517	**76.7**	<0.810	**31.1**	**2.36**	**777**	<0.780	<7.00	<6.90	<6.90	29.9	<50.0	<0.720
	4/24/23	**279**	<5.0	<4.6	79.3	7.0 J	<7.8	**10.7 J**	**1.1**	**242 J**	<7.6	<135	<228	<60.2	<8.7	<360	<21.2
	10/16/24	**1210**	<20.1	<18.4	306	**40.6 J**	<31.0	**24.0 J**	**2.4**	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
	5/19/25	**1110**	<20.1	<18.4	288	**67.8**	<31.0	<20.6	**1.2**	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
DW-5	8/3/22	<0.270	<0.250	<0.200	<0.230	6.74	<0.810	0.284 J	0.0102 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DW-6	8/3/22	**1980**	466	<10.0	460	<120	<40.5	**234**	**9.61**	**3050**	<39.0	<350	<345	<345	**151 J**	<2500	<36.0
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**13.0**	**0.29**	<65.6	<3.0	<53.9	<91.0	<24.1	8.9	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**12.6**	**0.068**	<65.6	<3.0	<53.9	<91.0	<24.1	9.4	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	**5.8**	0.032	<65.6	<3.0	<53.9	<91.0	<24.1	7.9	<144	<8.5
DDW-1 (83.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0076	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (92.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00519	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (102.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (112.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00513	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0079	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-1 (119.5')	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00499	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0072	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
DDW-2	8/3/22	2.74	<0.250	<0.200	0.978 J	<2.40	<0.810	0.501 J	<0.00506	9.71 J	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0078	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00626 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0075	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0081	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0077	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
DDW-4	8/3/22	**33.7**	<0.250	<0.200	<0.230	<2.40	<0.810	**12.4**	**0.256**	235	<0.780	<7.00	41.0 J	<6.90	9.29 J	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0083	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0080	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
RW-1	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**10200**	**33900**	**2830**	**16300**	**887J**	<1,000	<1,000	**125**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**7200**	**23300**	**2360**	**17600**	**855 J**	<620	<412	**179**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24*	**20600**	**37500**	**2530**	**15800**	**779 J**	<620	<412	**507**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	5/19/25	**19800**	**35400**	**2230**	**13700**	**663 J**	<620	<412	**433**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-2	5/30/18	<100	861	**936**	5,700	**263**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	4/7/20	<10.0	34	121	563	**52.5**	<10.0	<10.0	<0.020	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
	8/3/22	<2.70	45.1	195	947	**88.5**	<8.10	<2.50	<0.00507	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
	4/25/23	<3.5	58.3	231	696	**106**	<6.2	<4.1	<0.0074	138 J	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
	10/16/24	<8.7	182	**718**	2190	**412**	<15.5	<10.3	**0.13**	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
	5/19/25	<8.7	141	658	2230	**410**	<15.5	<10.3	<0.0085	<328	<15.2	<270	<455	<120	<17.4	<720	<42.3
RW-3	5/30/18	**1020**	**4120**	**2550**	**14900**	**686**	<250	<250	**0.66**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	4/7/20	**449**	**2090**	**2980**	**13100**	**471**	<200	<200	**0.81**	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**149 J**	**1380**	**3350**	**13800**	**708**	<124	<82.4	<0.0075	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	10/16/24*	**217**	**1560**	**2840**	**12300**	**595**	<124	<82.4	**0.27**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
	5/19/25	**145 J**	**1090**	**3040**	**12700**	**927**	<124	<82.4	**0.13**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
RW-4	5/30/18	**30600**	**38600**	**2700**	**14000**	**956J**	<1,250	**562J**	**1850**	<25,000	<2,500	<25,000	<25,000	<12,500	**694J**	<50,000	<2,500
	4/7/20	**15400**	**29000**	**2060**	**13200**	**764J**	<1,000	<1,000	**40.7**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**22000**	**35600**	**2340**	**15300**	**520 J**	<620	<412	**832**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24*	**28900**	**33500**	**2250**	**13900**	**673 J**	<620	<412	**1370**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	5/19/25	**27200**	**33800**	**2370**	**15200**	**743 J**	<620	<412	**854**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
RW-5	5/30/18	**28800**	**36600**	**2430**	**12400**	**614J**	<1,250	<1,250	**612**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	4/7/20	**16600**	**27400**	**1740**	**10800**	**702J**	<1,250	<1,250	**230**	<25,000	<2,500	<25,000	<25,000	<12,500	<1,250	<50,000	<2,500
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**20100**	**38700**	**2130**	**13300**	**913 J**	<775	<515	**384**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	10/16/24*	**23400**	**35500**	**2390**	**12900**	**796 J**	<775	<515	<0.0081	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
	5/19/25*	**25500**	**36100**	**2210**	**12400**	**865 J**	<775	<515	**682**	<16400	<760	<13500	<22800	<6020	<872	<36000	<2120
EP-4	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**155**	**4830**	**1730**	9990	**897**	<100	<100	<0.020	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	5/30/18	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/7/20	**21.2J**	633	606	3250	**270**	<50.0	<50.0	<0.020	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	8/3/22	**85.8 J**	**1750**	**1010**	5380	**365 J**	<81.0	<25.0	0.0165 J	<860	<78.0	<700	<690	<690	<70.0	<5000	<72.0
	4/25/23	**24.0 J**	**1210**	**828**	5430	**308**	<31.0	<20.6	0.040	<656	<30.4	<539	<910	<241	<34.9	<1440	<84.6
	10/16/24*	**264**	**3590**	**1550**	8900	**722**	<77.5	<51.5	<0.0080	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
	5/19/25	**316**	**4960**	**1690**	**10300**	**638**	<124	<82.4	<0.0077	<2620	<122	<2160	<3640	<964	<140	<5760	<338

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	***RBSL 1000***	***RBSL 700***	***RBSL 10000***	***RBSL 25***	***RBSL 40***	***RBSL 5***	***RBSL 0.05***	***RBSL 240***	***RBSL 128***	***RBSL NE***	***RBSL 1400***	***RBSL NE***	***RBSL 150***	***RBSL 10000***	***RBSL 47***
EP-12	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**8600**	**16600**	**1060**	**12600**	**1380**	<625	<625	**298**	<12,500	<1,250	<12,500	<12,500	<6250	<625	<25,000	<1,250
	5/30/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	4/7/20	**2890**	**6410**	428	6910	**599**	<250	<250	**40.8**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	8/3/22	**6650**	**28300**	**9880**	**123000**	**33100**	<1620	<500	**103**	<17200	<1560	<14000	<13800	<13800	<1400	<100000	<1440
	4/25/23	**4420**	**15100**	**1300**	**11400**	**1020**	<388	<258	**62.0**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	10/16/24	**8280**	**16600**	**1140**	**11200**	**753**	<388	<258	**224**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	5/19/25	**9900**	**13300**	**875**	**24000**	**1760**	<388	<258	**204**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
EP-16	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**4540**	**9720**	**1140**	**16400**	**31800**	<500	<500	**876**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	5/30/18	**7010**	**13200**	**1050**	**13500**	**1260**	<500	<500	**457**	<10,000	<1,000	<1,000	<10,000	<5,000	<500	<20,000	<1,000
	4/7/20	**1900**	**5170**	375	7160	**609**	<250	<250	**91.9**	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<250
	8/3/22	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	4/25/23	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**	**FPP**
	10/16/24	**9600**	**17600**	**1100**	**13100**	**1050**	<388	<258	<0.0079	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
	5/19/25	**10100**	**22700**	**1440**	**18300**	**1050**	<620	<412	**373**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
EP-20	8/10/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/6/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/12/15	**7730**	**16100**	550	**13000**	**1610**	<250	**156J**	**604**	<5,000	<500	<5,000	<5,000	<2,500	99.1J	<10,000	<500
	5/30/18	**7810**	**9720**	290J	**15600**	**1290**	<500	<500	**704**	<10,000	<1,000	<1,000	<10,000	<5,000	**173J**	<20,000	<1,000
	4/7/20	**6050**	**12500**	691	**12500**	**817**	<500	<500	**182**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	8/3/22	**14700**	**30700**	**1780**	**17500**	**1240 J**	<203	<62.5	**412**	<2150	<195	<1750	<1730	<1730	<175	<12500	<180
	4/25/23	**8350**	**18200**	**907 J**	**12900**	**983 J**	<620	<412	**296**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	10/16/24	**14500**	**30500**	**2050**	**22400**	**2250**	<620	<412	<0.0078	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
	5/19/25	**12400**	**24600**	**1150**	**15000**	**1210**	<620	<412	**437**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
SW-1	4/7/20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00510	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0077	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	5/19/25	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	**0.076**	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-2	8/3/22	0.546 J	<0.250	<0.200	<0.230	<2.40	<0.810	0.303 J	<0.0503	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0075	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.3	<0.32	<0.0082	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	5/19/25	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0081	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
SW-3	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	<0.00500	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0073	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0083	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	5/19/25	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0078	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2

TABLE 1
GROUNDWATER COC COCENTRATION DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well ID#	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	*RBSL 1000*	*RBSL 700*	*RBSL 10000*	*RBSL 25*	*RBSL 40*	*RBSL 5*	*RBSL 0.05*	*RBSL 240*	*RBSL 128*	*RBSL NE*	*RBSL 1400*	*RBSL NE*	*RBSL 150*	*RBSL 10000*	*RBSL 47*
SW-4	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	**0.0503**	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0074	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	10/16/24	<0.34	<0.48	<0.30	<0.34	<0.64	1.2	<0.32	<0.0082	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
	5/19/25	<0.34	<0.48	<0.30	<0.34	<0.64	<0.42	<0.32	<0.0076	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP (EP-16)	3/12/15	**5150**	**10800**	**1300**	**17400**	**1960**	<500	<500	**876**	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
DUP-1 (MW-13)	5/30/18	**3010**	**3370**	570	3960	**528**	<100	<100	**58.1**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-1 (MW-13)	4/7/20	**1250**	**3060**	297	1890	**147**	<100	<100	**15.7**	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
DUP-2 (MW-2)	4/7/20	**12800**	**30800**	**2160**	**11200**	**595J**	<1,000	<1,000	**102**	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
DUP-1 (MW-12)	8/3/22	**3180**	**12000**	**1070**	5800	**436 J**	<81.0	**55.7 J**	**19.2**	<860	<78.0	<700	<690	<690	72.2 J	<5000	<72.0
DUP-2 (RW-2)	8/3/22	<2.70	102	288	1520	**110**	<8.10	<2.50	0.0298	<86.0	<7.80	<70.0	<69.0	<69.0	<7.00	<500	<7.20
DUP-1 (EP-20)	4/25/23	**11100**	**24400**	**1150**	**17000**	**1210**	<620	<412	**381**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (EP-12)	4/25/23	**4400**	**15400**	**1310**	**11800**	**1070**	<388	<258	**76.3**	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
DUP-3 (RW-1)	4/25/23	**11400**	**35900**	**2790**	**18900**	**954 J**	<620	<412	**206**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-1 (EP-12)	10/16/24	**11300**	**22300**	**1370**	**13900**	**1260**	<620	<412	**178**	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
DUP-2 (RW-3)	10/16/24	**293**	**1580**	**2360**	9980	**700**	<124	<82.4	**0.31**	<2620	<122	<2160	<3640	<964	<140	<5760	<338
DUP-3 (EP-16)	10/16/24	**7470**	**13300**	**1050**	**11600**	**1250**	<388	<258	<0.0078	<8200	<380	<6740	<11400	<3010	<436	<18000	<1060
DUP-1 (MW-20)	5/19/25	**1570**	434	663	2880	**231**	<38.8	<25.8	**4.0**	<820	<38.0	<674	<1140	<301	<43.6	<1800	<106
DUP-2 (MW-13)	5/19/25	**4770**	**10600**	**1110**	5960	**335 J**	<310	<206	**27.0**	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
DUP-3 (MW-22)	5/19/25	**3260**	**6800**	578	3140	**160 J**	<155	<103	**34.2**	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
Field Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.28**	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.022	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	0.00591 J	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/24/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	0.030	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0074	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0073	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0077	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
Trip Blank	3/12/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<1,000	<100
	5/30/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<1,000	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<10	<200	<100
	4/7/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	<100	<10	<100	<100	<100	<5	<200	<100
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	8/3/22	<0.270	<0.250	<0.200	<0.230	<2.40	<0.810	<0.250	NT	<8.60	<0.780	<7.00	<6.90	<6.90	<0.700	<50.0	<0.720
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	4/25/23	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	10/16/24	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	5/19/25	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

Notes:

1. BDL = Below Practical Quantitative Limits
2. ug/l = micrograms per liter
3. mg/l = milligrams per liter
4. MTBE = Methyl-Tertiary-Butyl Ether
5. See Appendix for Laboratory Detection Limits
6. NL = Not Located
7. DRY = Well was Dry at the time of Sampling
8. NT = Not Tested.
9. EDB = Ethylene Dibromide
10. 1,2 DCA = 1,2-Dichloroethane
11. FPP = Free Phase Petroleum Product Gauged
12. * = Sample collected beneath Product
13. "J" Values used in Total BTEX Calculations
14. "J" values report concentrations above the method detection limits (MDL) and below actual reporting limit (RL).
15. B = Detected in Method Blank
16. S = MS/MSD Failure
17. P = The RPD between the two columns exceeds 40%.
18. DIPE = Diisopropyl Ether
19. ETBE = Ethyl ter-butyl Ether
20. TAA = tert-Amyl Alcohol
21. TAME = tert-Amyl Methyl Ether
22. TBA = ter-Butyl Alcohol
23. TBF = tert-Butyl Formate
24. ETBA = 3,3-Dimethyl-1-Butanol
25. ABD. = Well Has been Abandoned
26. **Bold data above the RBSL (Risk-Based Screening Level)**

TABLE 2
POTENTIOMETRIC DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-1	8/10/2013	25-40	---	26.50	---	936.88	910.38
	11/6/2013		---	26.77	---		910.11
	3/12/2015		---	27.31	---		909.57
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	23.49	---		913.39
	8/3/2022		---	27.85	---		909.03
	4/25/2023		---	25.95	---		910.93
	10/16/2024*		29.23	29.28	0.05		907.64
	5/19/2025		---	28.90	---		907.98
MW-2	8/10/2013	30-40	---	29.00	---	937.19	908.19
	11/6/2013		---	28.20	---		908.99
	3/12/2015		---	29.46	---		907.73
	6/24/2015		---	NM	---		NM
	5/30/2018		---	31.01	---		906.18
	4/7/2020		---	26.22	---		910.97
	8/3/2022		---	29.19	---		908.00
	4/25/2023		---	30.07	---		907.12
	10/16/2024		---	31.22	---		905.97
	5/19/2025		---	30.25	---		906.94
MW-3	8/10/2013	30-40	---	27.80	---	ABANDONED	N/A
	11/6/2013		---	27.12	---		N/A
	3/12/2015		---	28.07	---		N/A
	6/24/2015		---	NM	---		NM
	5/30/2018		---	ABANDONED	---		ABANDONED
MW-4	8/10/2013	30-40	---	28.34	---	937.64	909.30
	11/6/2013		---	NS	---		NS
	3/12/2015		---	28.81	---		908.83
	6/24/2015		---	NM	---		NM
	5/30/2018		---	NL	---		NL
	4/7/2020		---	24.96	---		912.68
	8/3/2022		---	28.57	---		909.07
	4/25/2023		---	30.11	---		907.53
	10/16/2024		---	30.32	---		907.32
	5/19/2025		---	31.18	---		906.46
MW-5	8/10/2013	60-65	---	27.26	---	936.64	909.38
	11/6/2013		---	26.78	---		909.86
	3/12/2015		---	27.89	---		908.75
	6/24/2015		---	NM	---		NM
	5/30/2018		---	29.29	---		907.35
	4/7/2020		---	24.10	---		912.54
	8/3/2022		---	28.45	---		908.19
	4/25/2023		---	26.25	---		910.39
	10/16/2024		---	29.29	---		907.35
	5/19/2025		---	28.75	---		907.89
MW-8	8/10/2013	N/A	---	37.08	---	ABANDONED	N/A
	11/6/2013		---	36.44	---		N/A
	3/12/2015		---	ABANDONED	---		ABANDONED

TABLE 2
POTENTIOMETRIC DATA
MAY 19, 2025 SAMPLING EVENT
UST - UNKNOWN 14324
SENECA, SOUTH CAROLINA
MECI PROJECT# 25-8504
UST PERMIT# 14324

Well Number	Sample Date	Screened Interval (ft BGS)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well-head Elevation	Groundwater Elevation
MW-12	8/10/2013	60-65	---	32.22	---	937.69	905.47
	11/6/2013		---	31.10	---		906.59
	3/12/2015		---	32.55	---		905.14
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.75	---		902.94
	4/7/2020		---	29.03	---		908.66
	8/3/2022		---	32.15	---		905.54
	4/25/2023		---	31.05	---		906.64
	10/16/2024		---	33.32	---		904.37
	5/19/2025		---	33.07	---		904.62
MW-13	8/10/2013	36-46	---	32.03	---	937.99	905.96
	11/6/2013		---	31.45	---		906.54
	3/12/2015		---	34.15	---		903.84
	6/24/2015		---	NM	---		NM
	5/30/2018		---	34.41	---		903.58
	4/7/2020		---	29.55	---		908.44
	8/3/2022		---	32.51	---		905.48
	4/25/2023		---	36.11	---		901.88
	10/16/2024		---	34.21	---		903.78
	5/19/2025		---	36.04	---		901.95
MW-19	8/10/2013	35-45	---	33.20	---	ABANDONED	N/A
	11/6/2013		---	31.73	---		N/A
	3/12/2015		---	OBSTRUCTION	---		OBSTRUCTION
	6/24/2015		---	ABANDONED	---		ABANDONED
MW-19R	6/24/2015	30-40	---	34.08	---	937.63	903.55
	5/30/2018		---	34.80	---		902.83
	4/7/2020		---	29.78	---		907.85
	8/3/2022		---	32.73	---		904.90
	4/24/2023		---	31.50	---		906.13
	10/16/2024		---	35.50	---		902.13
	5/19/2025		---	31.02	---		906.61
MW-20	6/24/2015	30-40	---	33.92	---	936.87	902.95
	5/30/2018		---	32.30	---		904.57
	4/7/2020		---	27.30	---		909.57
	8/3/2022		---	30.20	---		906.67
	4/25/2023		---	31.07	---		905.80
	10/16/2024		---	33.32	---		903.55
	5/19/2025		---	31.71	---		905.16
MW-21	6/24/2015	30-40	---	30.96	---	NL	N/A
	5/30/2018		---	NL	---		NL
MW-21R	4/7/2020	22-32	---	28.52	---	934.95	906.43
	8/3/2022		---	28.21	---		906.74
	4/25/2023		---	26.32	---		908.63
	10/16/2024		---	30.00	---		904.95
	5/19/2025		---	25.86	---		909.09
MW-22	6/24/2015	30-40	---	33.10	---	937.61	904.51
	5/30/2018		---	31.43	---		906.18
	4/7/2020		---	26.22	---		911.39
	8/3/2022		---	29.82	---		907.79
	4/25/2023		---	30.19	---		907.42
	10/16/2024		---	32.22	---		905.39
	5/19/2025		---	30.79	---		906.82