2025 SEMIANNUAL
GROUNDWATER MONITORING REPORT
NEWBERRY COUNTY CLASS THREE
MUNICIPAL SOLID WASTE (MSW) LANDFILL

Prepared For:

Newberry County

May 2025

SCDES Permit No. MSW-DWP-117

Facility ID: SC000131627

2025 SEMIANNUAL
GROUNDWATER MONITORING REPORT
NEWBERRY COUNTY
CLASS THREE MUNICIPAL SOLID WASTE (MSW) LANDFILL

Prepared For:
Newberry County
432 Cockrell Road
Newberry, South Carolina 29108

ALLIANCE CONSULTING ENGINEERS | 20 YEARS OF EXCELLENCE

Prepared By:
Alliance Consulting Engineers, Inc.
Post Office Box 8147
Columbia, South Carolina 29202-81

Project No. 17102-0036
May 2025

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1.0 INTRODUCTION

Project Title: 2025 Semiannual Groundwater Monitoring Report for the Newberry County Class Three Municipal Solid Waste (MSW) Landfill

Owner: Newberry County
432 Cockrell Drive
Newberry, South Carolina 29108

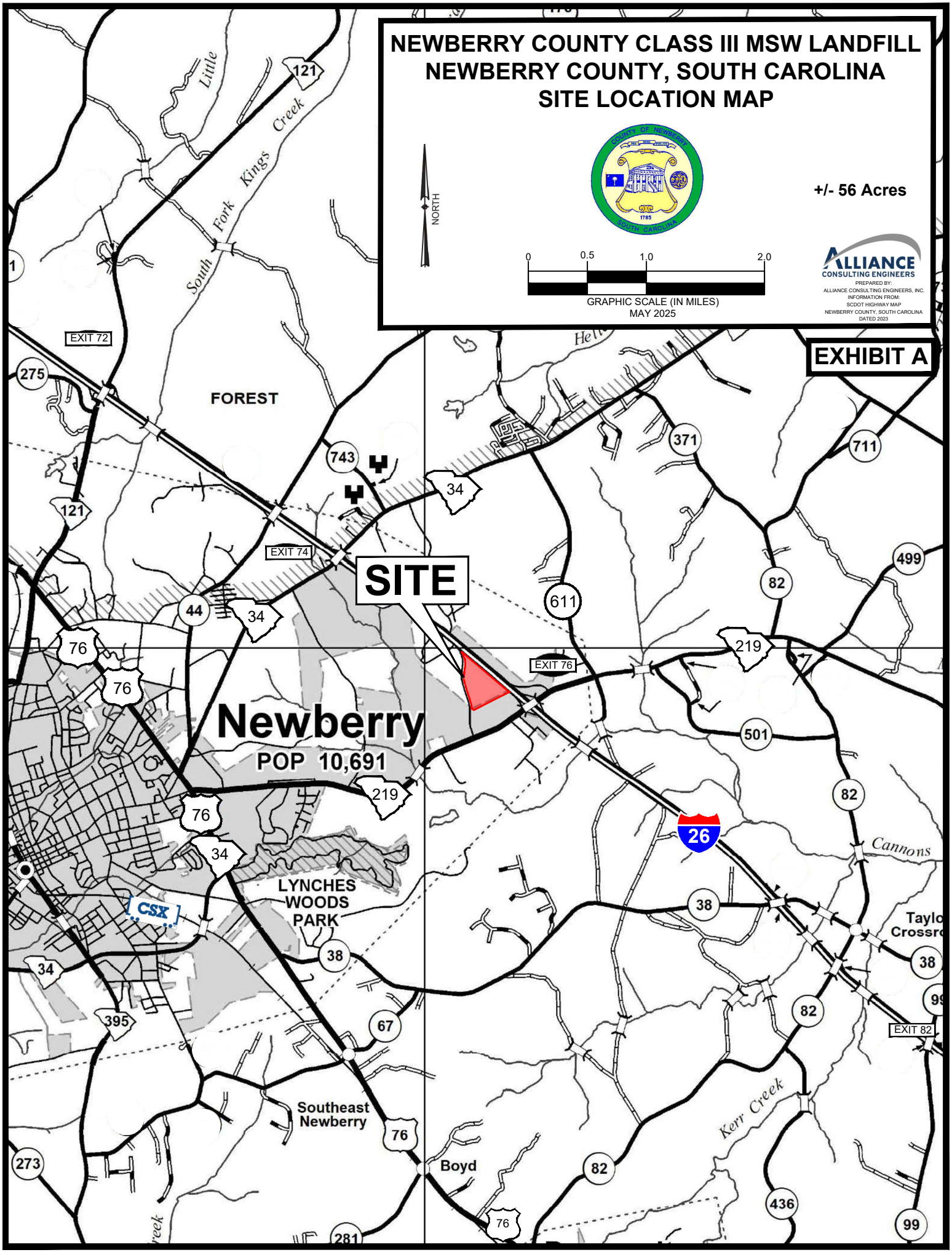
Owners Representative: Mr. Josh Rowe, Public Works Director

Consulting Engineer: Alliance Consulting Engineers, Inc.
Post Office Box 8147
Columbia, South Carolina 29202-8147
Reps: Kyle M. Clampitt, PE, Vice President
Courtney N. Brooks, Design Associate

The Newberry County Landfill is located adjacent to the Interstate 26 and SC Highway 219 Interchange (Exit 76), and Cockrell Drive (S-643) approximately four (4) miles northeast of the City of Newberry, Newberry County, South Carolina (Exhibit A & B). The Municipal Solid Waste (MSW) Landfill stopped receiving waste in December 1993; there are two (2) disposal areas – Phase I, which is 20.8 acres, is located on the northern portion of the property, and Phase II, which is 25.4 acres, is located on the southern portion of the property. The nearest surface body of water is Cannons Creek, which is located approximately 1,500 feet to the east of the base of the Landfill. Cannons Creek flows southeasterly to the Broad River.

The 2025 Semiannual Groundwater Monitoring Report has been prepared for the Newberry County Class Three MSW Landfill, which is currently in the assessment-monitoring phase as designated by the South Carolina Department of Environmental Services (SCDES) Regulation *R61.107.19 Solid Waste Management: Solid Waste Landfills and Structural Fill,* which became effective on May 23, 2008. This Report includes a review of September 24, & 25, 2024 and March 24, 2025 groundwater chemistry data, a statistical analysis of the inorganic constituents detected since 2010, an assessment of the groundwater and surface water analytical data, methane readings, and applicable recommendations.

NEWBERRY COUNTY CLASS III MSW LANDFILL
NEWBERRY COUNTY, SOUTH CAROLINA
SITE LOCATION MAP



NEWBERRY COUNTY CLASS III MSW LANDFILL
NEWBERRY COUNTY, SOUTH CAROLINA
TOPOGRAPHIC MAP

NORTH

+/- 56 Acres

0 1,000' 2,000' 4,000'

GRAPHIC SCALE
CONTOUR INTERVAL: 10 FEET
MAY 2025

ALLIANCE CONSULTING ENGINEERS

PREPARED BY:
ALLIANCE CONSULTING ENGINEERS, INC.
INFORMATION FROM:
NEWBERRY COUNTY, SOUTH CAROLINA
USGS DATA
DATED 2020

EXHIBIT B

SITE

EXIT 74

EXIT 76

26

34

219

S-36
611

DUSTY RD

OXNER RD

WREN RD

COCKRELL DRIVE

CO RD S-36-505

MAWSON WAY

PAW PAWS TRL

ULLDOG DR

COUSINS RD

Greenslades
Pond

Rocky Br

Cannons Cr

Cannons
Creek Cem

BEARINGTO

1.1 Groundwater Monitoring Program

The groundwater monitoring network for the Newberry County Class Three MSW Landfill currently consists of thirteen (13) groundwater monitoring wells (MW-1R, MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, TMW-11, TMW-12, and TMW-13) as illustrated in Exhibit C. Monitoring Well TMW-11 had not been located since April 2008 until March 20, 2019 when Alliance Consulting Engineers, Inc. personnel was able to locate TMW-11. TMW-11 has been included in the semiannual monitoring reports since the March 20, 2019 sampling event. TMW-12 has been recorded as not sampled since 2010, and TMW-13 has been recorded as unable to be sampled since the March 19, 2020 sampling event. Therefore, TMW-12 and TMW-13 were not sampled during the September 24 & 25, 2024 or the March 24, 2025 sampling events which is further discussed in *Section 2.1* of this report.

The 2014 Sampling & Analysis Plan for the Newberry County Class Three Municipal Solid Waste Landfill prepared by Rogers & Callcott Environmental, dated October 2014, was used as a guide for the groundwater sample collection activities that were conducted by Alliance Consulting Engineers, Inc. The Sampling & Analysis Plan was approved by SCDES in a letter dated August 31, 2015. A review of the Groundwater Monitoring Reports for the Newberry County Class Three MSW Landfill prepared in prior years revealed that there were discrepancies between the reports and the 2014 Sampling & Analysis Plan regarding the locations of monitoring wells TMW-10, TMW-11 and TMW-13. Based on the identification tags observed within the flush mount protective vaults for TMW-10 and TMW-13, the information obtained as a result of a March 2018 Freedom of Information (FOI) request from Alliance Consulting Engineers, Inc. to SCDES, and the well locations shown on the Groundwater Monitoring Reports prior to May 2018, it has been determined that the well locations illustrated in the 2014 Sampling & Analysis Plan are incorrect. Therefore, Alliance Consulting Engineers, Inc. has revised the labeling of the wells illustrated in Exhibit C, resulting in changes to the locations of TMW-10, TWM-11 and TMW-13 from the locations that had been indicated in the Groundwater Monitoring Reports that had been prepared prior to May 2018.

EXHIBIT C

1,000 500 0 1,000 3,000

(IN FEET)

Project No.: 17102-0036
May 2025

Site Map
Newberry County Class III MSW Landfill
Newberry County, South Carolina

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Prepared by Alliance Consulting Engineers, Inc.

The groundwater monitoring program for the Newberry County Class Three MSW Landfill specifies that groundwater samples collected from the monitoring wells be analyzed for the constituents listed in Appendix IV of SCDES Regulation (*R.)61-107.19*. SCDES approved a request to discontinue analysis for organochlorine pesticides, antimony, arsenic, beryllium, and mercury in a letter dated August 31, 2015.

1.2 Site Geology and Hydrogeology

The Newberry County Landfill is located within the southern Piedmont Region of South Carolina. The soils are very deep, moderately well drained, slowly permeable soils that formed in material weathered from felsic igneous and metamorphic rock, primarily granite and granite gneiss. The depth to groundwater on-site varies from approximately 46.78 feet below top of well casing (btc) in the vicinity of monitoring well TMW-9 to 17.49 feet btc in the vicinity of monitoring well TMW-10. The groundwater flow in the surficial aquifer is southeasterly beneath the MSW Landfill to its discharge points along Cannons Creek. The soil characteristics were determined via the Soils Map (Exhibit D) prepared by Alliance Consulting Engineers, Inc. and provided in the United States Department of Agriculture Soil Datamart for Newberry County, South Carolina dated 2019.

1.3 Methane Monitoring Program

The methane monitoring system for the Newberry County Class Three MSW Landfill has six (6) monitoring stations consisting of eleven (11) Gas Monitoring Probes (GMPs), (GMP-1S and GMP-1D, GMP-3S and GMP-3D, GMP-4S, GMP-5S and GMP-5D, GMP-6S and GMP-6D, and GMP-7S and GMP-7D) located along the perimeter of the property as shown in Exhibit C. There are ten (10) Passive Gas Vent Wells (PGV-1, PGV-2, PGV-3 PGV-4, PGV-5, PGV-6, PGV-7, PGV-8, PGV-9, and PGV-10) located along the perimeter of the landfill, and twenty-three (23) Soil Extraction Wells (EW-1 through EW-14, and EW-16 through EW-24) located along the perimeter of the property as shown in Exhibit C. In addition, the former Soil Extraction Well EW-25 appears to have been converted to a Passive Gas Vent Well.

NEWBERRY COUNTY CLASS III MSW LANDFILL
NEWBERRY COUNTY, SOUTH CAROLINA
SOILS MAP

NORTH

0 1,000' 2,000' 4,000'

GRAPHIC SCALE
MAY 2025

+/- 56 Acres

ALLIANCE CONSULTING ENGINEERS
20 YEARS OF EXCELLENCE

PREPARED BY:
ALLIANCE CONSULTING ENGINEERS, INC.
INFORMATION FROM:
NEWBERRY COUNTY, SOUTH CAROLINA
USDA NRCS SOIL DATAMART
DATED 2019

EXHIBIT D

26
34
EXIT 74
SITE
COCKRELL DRIVE
EXIT 76
26
219

LEGEND	HSG	
Cecil (CfB2, CfC2)	A/D	
Hard Labor (HaB, HaC)	D	

Due to the past persistence of elevated methane concentrations in several Gas Monitoring Probes, a phased corrective measures approach was implemented by Newberry County starting in 2006. The first phase, which involved the installation of Passive Gas Vents and a Passive Vent Trench, failed to fully reduce methane concentrations below the Lower Explosive Limit (LEL); therefore, a second phase followed which involved the installation of an active subsoil gas extraction system. The gas extraction system was installed in May 2015 and continues to remain in operation at this time.

The Gas Extraction System consists of the twenty-three (23) Soil Extraction Wells described above, which are connected to a header pipe system that conveys the extracted gas through a vessel containing activated carbon which absorb odors prior to discharging the gas into the atmosphere. Per the Operation, Maintenance, and Monitoring Plan for the Newberry County Landfill Soil Gas Extraction System prepared by SCS Engineers dated May 2015, monthly maintenance and monitoring of the gas extraction system began in August 2015. Methane Monitoring for the Newberry Class III MSW Landfill occurs on a quarterly basis. A discussion of the methane monitoring results is provided in Section 6.0 – *Methane Monitoring*.

2.0 DATA COLLECTION

The monitoring network for the Newberry County Class Three MSW Landfill consists of thirteen (13) monitoring wells (MW-1R, MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, TMW-11, TMW-12, and TMW-13) and one (1) surface water sampling location along the bank of Cannons Creek downstream of the Landfill. During the September 24 & 25, 2024 and March 24, 2025 sampling events, it was recorded that TMW-12 and TMW-13 were unable to be sampled, which is further discussed in Section 2.1.

2.1 Groundwater

On March 24, 2025 Pace Analytical Services, LLC. (Pace) personnel collected groundwater samples from eleven (11) monitoring wells MW-1R, MW-2RR, MW-3. MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11 for analysis of the constituents approved by SCDES in the 2014 Sampling & Analysis Plan, which was used as a guide for groundwater sample collection activities. Several of the monitoring well locations were incorrectly labeled in the 2014 Sampling & Analysis Plan. The well labels were corrected during the 2019 semiannual sampling events and continue to be used for the subsequent sampling events.

The groundwater samples were properly preserved in the field by Pace sampling technicians and taken to the analytical laboratory for analysis using United States Environmental Protection Agency (EPA) Methods 6020B, 8260D, and 8011. The monitoring well construction data is summarized in Table A. The depth to the top of the groundwater was measured in the thirteen (13) monitoring wells prior to collection of groundwater samples during the March 24, 2025 sampling event. Pace personnel bailed a volume of water equal to a minimum of three (3) well volumes before sampling each monitoring well. This occurred in all the wells, with the exception of MW-3 and MW-5 which went dry during the bailing process. These wells were allowed to recover, and samples were then collected. TMW-12 and TMW-13 were unable to be sampled based on obstructions in both wells. During the December 26, 2022 and the March 20, 2023 sampling event, TMW-12 was noted that the locking plug was jammed into the well casing approximately 1.77-ft below sdf below top of casing (btc). Since

TABLE A
MONITORING WELL CONSTRUCTION DATA
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Monitoring Well No.	Total Depth (ft btc)	Screen Setting (ft bls)
MW-1R*	60.41	48.0 - 60.49
MW-2RR	59.98	48.0 - 60
MW-3	38.78	Unknown
MW-4R	62.47	48.0 - 62.58
MW-5	33.81	Unknown
MW-6	27.25	10.0 - 27.77
MW-7R	60.41	48.0 - 62.73
MW-8	71.84	58.0 - 71.85
TMW-9	71.00	65.0 - 75.00
TMW-10	43.88	35.0 - 45.0
TMW-11	30.06	20.0 - 30.0
TMW-12	NR	22.05 - 42.05
TMW-13	NR	14.4 - 20.90

Notes:
ft btc = Feet Below Top of Casing
ft bls = Feet Below Land Surface
* = upgradient well
NR - Not Recorded due to wells were unable to be sampled

2018, TMW-13 has historically been recorded as bailed dry and has not recovered sufficiently enough for sample collection. The total depth (as measured inside the well casing) has changed since the time of installation from 44.44 feet btc to a total depth of 13.56 feet btc measured during the March 25 & 26, 2024 sampling event; in addition, it was noted that TMW-13 appears to have been compromised and any water in the well appears to be from stormwater based on the well does not recharge after the bailing process. During the September 21, 2023 and March 25 & 26, 2024 sampling event Pace personnel noted that TMW-13 had an obstruction in the well changing the total depth of the well. Therefore, TMW-13 does not accurately represent the consistency of the groundwater in the area. Due to these conditions, monitoring wells TMW-12 and TMW-13 were not recorded, and these wells were not included in this report.

Following removal of each volume of water from the remaining wells, the pH, temperature, turbidity, and Specific Conductance (indicator parameters) were measured. The indicator parameters, water depth measurements, and other site-specific information were recorded for each well and sampling event on Field Data Information Sheets for Groundwater Sampling. The groundwater samples were submitted to Pace's laboratory for analysis. The Field Data Sheets and the Report of Laboratory Analysis for the March 24, 2025 sampling event are provided in Appendix A.

2.2 Surface Water

A surface water sample was collected from Cannons Creek downstream of the Landfill during the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events. The water samples were collected and analyzed by Pace for the constituents listed in Appendix IV of SCDES MSW *R.61-107.19*. The results of the laboratory analysis for the March 24, 2025 sampling event are provided in Appendix A.

3.0 GROUNDWATER FLOW DIRECTIONS

Groundwater elevations obtained during the semiannual sampling events were used to determine groundwater flow characteristics beneath the Newberry County Class Three MSW Landfill.

3.1 Lateral Groundwater Flow

Water-level measurements were collected by Pace personnel from each monitoring well during the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events and are provided on Table B. Utilizing the depth to groundwater within each monitoring well, Potentiometric Maps were prepared (Exhibits E & F). The Potentiometric Maps indicate that the groundwater flow direction is southeasterly from beneath the MSW Landfill towards Cannons Creek. This observation is consistent with previous groundwater flow direction determinations for the Newberry County Class Three MSW Landfill.

TABLE B
GROUNDWATER ELEVATIONS
NEWBERRY COUNTY CLASS CLASS THREE MSW LANDFILL

		December 26, 2022		March 20, 2023	
MW No.	Measuring Point Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)
MW-1R	504.92	34.62	470.30	33.84	471.08
MW-2RR	459.82	37.46	422.36	35.75	424.07
MW-3	453.92	36.10	417.82	34.61	419.31
MW-4R	441.55	33.30	408.25	31.21	410.34
MW-5	420.12	24.55	395.57	21.82	398.30
MW-6	440.55	25.96	414.59	23.79	416.76
MW-7R	457.34	38.68	418.66	35.80	421.54
MW-8	443.39	36.05	407.34	33.98	409.41
TMW-9	457.58	47.20	410.38	46.43	411.15
TMW-10	415.07	19.08	395.99	17.27	397.80
TMW-11	NR	28.11	-	24.71	-
TMW-12	468.18	NR	-	NR	-
TMW-13	409.25	NR	-	10.98*	-

		September 21, 2023		March 25 & 26, 2024	
MW No.	Measuring Point Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)
MW-1R	504.92	33.30	471.62	33.92	471.00
MW-2RR	459.82	37.34	422.48	35.70	424.12
MW-3	453.92	35.68	418.24	34.73	419.19
MW-4R	441.55	32.41	409.14	31.22	410.33
MW-5	420.12	24.06	396.06	21.23	398.89
MW-6	440.55	25.06	415.49	23.27	417.28
MW-7R	457.34	37.50	419.84	37.74	419.60
MW-8	443.39	35.19	408.20	33.93	409.46
TMW-9	457.58	47.11	410.47	46.57	411.01
TMW-10	415.07	18.97	396.10	16.98	398.09
TMW-11	NR	26.97	-	23.42	-
TMW-12	468.18	NR	-	NR	-
TMW-13	409.25	NR	-	NR	-

		September 24 & 25, 2024		March 24, 2025	
MW No.	Measuring Point Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft msl)
MW-1R	504.92	32.93	471.99	34.04	470.88
MW-2RR	459.82	37.22	422.60	37.41	422.41
MW-3	453.92	35.42	418.50	35.74	418.18
MW-4R	441.55	31.51	410.04	30.85	410.70
MW-5	420.12	22.75	397.37	20.71	399.41
MW-6	440.55	23.50	417.05	22.18	418.37
MW-7R	457.34	34.81	422.53	33.40	423.94
MW-8	443.39	34.30	409.09	33.63	409.76
TMW-9	457.58	46.79	410.79	46.78	410.80
TMW-10	415.07	18.40	396.67	17.49	397.58
TMW-11	NR	23.64	-	21.76	-
TMW-12	468.18	NR	-	NR	-
TMW-13	409.25	NR	-	NR	-

Notes:
ft msl = feet above mean sea level
ft btc = feet below top of casing
NR - Not Recorded
*Pace Analytical Services noted during the March 20, 2023 sampling event that TMW-12 and TMW-13 appear to have obsructions and have not been measured since.

EXHIBIT E

300 150 0 300 900

(IN FEET)

Project No.: 17102-0036
May 2025

September 24 & 25, 2024 Potentiometric Map of the Newberry County Class III MSW Landfill Newberry County, South Carolina

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Prepared by Alliance Consulting Engineers, Inc.

EXHIBIT F

300 150 0 300 900

(IN FEET)

Project No.: 17102-0036
May 2025

March 24, 2025 Potentiometric Map of the Newberry County Class III MSW Landfill Newberry County, South Carolina

ALLIANCE CONSULTING ENGINEERS | 20 YEARS OF EXCELLENCE

Prepared by Alliance Consulting Engineers, Inc.

4.0 DISCUSSION OF FINDINGS

The results of the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events for the eleven (11) monitoring wells (MW-1R, MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11) and the surface water sample collected from Cannons Creek are summarized below. As discussed in Section 2.1 – *Groundwater*, Monitoring Wells TMW-12 and TMW-13 were unable to be sampled during the September 24 & 25, 2024 and March 24, 2025 sampling events; therefore, these monitoring wells were not included in the report. The analytical results for the groundwater samples collected from the remaining eleven (11) monitoring wells during the March 24, 2025 semiannual sampling event are included in Appendix A.

4.1 Groundwater Chemistry

Constituents from the monitoring wells detected in excess of their practical quantitation limits (pqls) and Maximum Contaminant Levels (MCLs) or Action Levels in the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events are divided into inorganic and organic compounds.

4.1.1 Inorganic Constituents

A list of the inorganic constituents detected at the Newberry County Class Three MSW Landfill since 2010 is provided in **Table C**. A review of the analytical data from the monitoring wells for the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events is provided below.

September 24 & 25, 2024 Semiannual Sampling Event: A review of the analytical data from the groundwater samples collected from the monitoring wells during the September 24 & 15, 2024 semiannual sampling event indicated three (3) inorganics constituents (Barium, Cobalt, Zinc) were detected in excess of their pqls, and one (1) constituent (Barium) was detected in excess of its MCL (Table C).

- Barium was detected in the groundwater samples collected from MW-1R, MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11 at concentrations of 127 micrograms per liter (µg/L), **3,270 µg/L**, 1,010 µg/L,

TABLE C
INORGANIC CONSTITUENTS DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
June 21-22, 2010															
Barium	2000	-	90	1500	860	800	1940	420	580	96	580	580	NS	NS	440
Beryllium	4	<5	0.16B	0.64B	0.080B		**17**	0.29B	0.070B	0.14B	2.0B	2.0B	NS	NS	2.2B
Cadmium	5	<5					**14**						NS	NS	
Chromium	100	-	0.63B	0.82B	2.3B	1.3B	48	1.1B	3.3B	0.46B	3.3B	3.3B	NS	NS	12
Cobalt	-	<10			39	8.1B	56	13	2.8B		6.1B	6.1B	NS	NS	7.1B
Copper	1,300	<10					62				8.4B	8.4B	NS	NS	8.4B
Lead	15	<15		2.2B	2.5B	1.9B	140	3.8B	2.5B		15	15	NS	NS	22
Nickel	-	<40		1.6B	1.7B		27B	3.8B		1.4B	3.8B	3.8B	NS	NS	2.1B
Silver	-	<10			0.6B	0.92B		0.76B					NS	NS	
Thallium	2	<20								**2.5B**			NS	NS	
Vanadium	-	<20		5.1B	3.8B	4.3B	180	6.7B	3.9B		33	33	NS	NS	26
Zinc	-	<20		43	5.5B	10B	1440	40	9.8B		14	14	NS	NS	150
Cyanide	200	<10			5B				4B		4.2B	4.2B	NS	NS	
Mercury	2	<0.2		0.17B			0.22	0.07B	0.34		0.52	0.52	NS	NS	1.02
December 1-2, 2010															
Barium	2000	-	161	2310	1120	846	524	507	474	103	742	194	NS	NS	1950
Cadmium	5	<5					**7.5**						NS	NS	
Chromium	100	<10											NS	NS	16.8
Cobalt	-	<20			32.5								NS	NS	
Copper	1,300	<10											NS	NS	11.5
Lead	15	<10			12.9								NS	NS	30.5
Selenium	50	<20							22.8				NS	NS	
Tin	-	<25	6.2B		13B		19B						NS	NS	33
Vanadium	-	<10			15								NS	NS	15.5
Zinc	-	<20		67.6	65.3	31.6	130	110			44.6		NS	NS	212
Mercury	2	<0.2								0.33		0.29	NS	NS	1.01
Sulfide	-	<2000	9600										NS	NS	
February 6-7, 2012															
Barium	2000	-	200	2270	2410	800	110	980	420	150	1070	180	NS	NS	240
Beryllium	4	<5	0.51J	1.2J	**27**			0.55J					NS	NS	
Cadmium	5	<5			2.5J			3.2J					NS	NS	
Chromium	100	<10			1.9J			2J			1.5J		NS	NS	4.2J
Cobalt	-	<10	1.1J		41	9.9J		3.2J	1.9J		1.6J		NS	NS	1.8J
Copper	1,300	<10	3.4J		22			6.6J			5.8J		NS	NS	
Lead	15	<15	4.3J	4.4J	110			17			8.2J		NS	NS	8J
Nickel	-	<40							2.3J				NS	NS	
Vanadium	-	<20	7.2J	14J	190	5.3J		47	4.3J		21	1.8J	NS	NS	9.3J
Zinc	-	<20	26	62	730		16J	610	6.4J	5.9J	87	6.2J	NS	NS	69
Cyanide	200	<10		18	16	**1600**	164.8	6.8J	152.4		3.2J	16.4	NS	NS	4.4J
Mercury	2	<0.2			1.2			0.21		**2.71**	0.17J	0.44	NS	NS	0.24
August 30-31, 2012															
Arsenic	10	<10			NS			NS	6.4J		3.6J		NS	NS	
Barium	2000	-	610	2390	NS	790	150	NS	390	160	1010	400	NS	NS	1650
Beryllium	4	<5	**6.8**	**5.1**	NS	0.13J	0.25J	NS	1.4J		1J	2.1J	NS	NS	**9.5**
Cadmium	5	<5	1.5J		NS	1.7J	2.3J	NS					NS	NS	
Chromium	100	<10	3.4J		NS		1.8J	NS					NS	NS	35
Cobalt	-	<10	8.8J	4.2J	NS	11	0.64J	NS	3.8J		2.3J	2.3J	NS	NS	21
Copper	1,300	<10	23		NS	5.7J	4J	NS	4.3J		3J	15	NS	NS	23
Lead	15	<15	16		NS			NS				34	NS	NS	66
Silver	-	<10			NS			NS				0.65J	NS	NS	
Thallium	2	<20	4.2J		NS	**16J**		NS	**4.7J**				NS	NS	
Vanadium	-	<20	37	34	NS	17J	2.9J	NS	8J	1.7J	14J	17J	NS	NS	82
Zinc	-	<20	93	150	NS	7.9J	35	NS	9.8J	18J	59	65	NS	NS	550
Cyanide	200	<10			NS			NS	2.6J				NS	NS	
Mercury	2	<0.2	0.16J	0.23	NS	0.15J	0.14J	NS	0.15J	3.45	0.38	0.55	NS	NS	0.55
February 21, 2013															
Barium	2000	-	140	2050	NS	440	130	NS	300	150	770	54	NS	NS	190
Beryllium	4	<4		2J	NS			NS					NS	NS	
Cadmium	5	<5	3.3J	7J	NS			NS	3.5J	1.9J	3.1J		NS	NS	
Chromium	100	<10			NS			NS	3.6J				NS	NS	2.5J
Cobalt	-	<10			NS	6.9J		NS	2.6J				NS	NS	
Copper	1,300	<10	11J		NS	19J		NS			8.7J	13J	NS	NS	
Vanadium	-	<20		22	NS	7.8J		NS	6.4J		6.8J		NS	NS	9.2J
Zinc	-	<20	36	90	NS	32	36	NS	16J	16J	41	160	NS	NS	42
Cyanide	200	<5			NS	1.6J	1.6J	NS	5.2J				NS	NS	
Mercury	2	<0.2			NS			NS		0.36		0.15J	NS	NS	0.26

Notes:

* = Action level

MCL = Maximum Contaminant Level

pql = practical quantitation limit

µg/L = micrograms per Liter

J = Estimated Value

Bolded concentrations indicate the MCL or action level has been exceeded at the time of sampling.

NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 was dry or had insufficient volume

TABLE C
INORGANIC CONSTITUENTS DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
August 29, 2013															
Arsenic	10	<10		**12**	NS			NS					NS	NS	**14**
Barium	2000	-	72	**2500**	NS	610	100	NS	320	160	800	270	NS	NS	730
Beryllium	4	<1		**4.5**	NS			NS					NS	NS	**5.3**
Cadmium	5	<1			NS			NS					NS	NS	2.3
Chromium	100	<5			NS			NS					NS	NS	31
Cobalt	-	<1		1	NS	8.9		NS	3.9				NS	NS	1.3
Copper	1,300	<5			NS			NS					NS	NS	34
Lead	15	<5		**34**	NS			NS				10	NS	NS	**58**
Vanadium	-	<5		38	NS	5.9		NS	9.5				NS	NS	84
Zinc	-	<10		180	NS		13	NS	12	27	20	25	NS	NS	430
Cyanide	200	<5			NS			NS	6.4				NS	NS	
Mercury	2	<0.2			NS			NS		**9.3**		0.3	NS	NS	0.3
February 4-5, 2014															
Antimony	6	<5	**7.16**		NS			NS			**9.21**		NS	NS	
Barium	2000	-	131	3420	NS	711	108	NS	351	177	894	261	NS	NS	182
Beryllium	4	<1		3.18	NS			NS					NS	NS	
Cadmium	5	<0.7	0.96	0.811	NS			NS					NS	NS	
Cobalt	-	<5		5.75	NS	10.4		NS					NS	NS	
Copper	1,300	<5	7.51	3.67	NS			NS			3.83	2.54	NS	NS	
Lead	15	<5	2.11	24.7	NS			NS			1.81	5.08	NS	NS	1.84
Nickel	-	<5			NS			NS			12.9		NS	NS	
Vanadium	-	<5		26.3	NS			NS					NS	NS	
Zinc	-	<10	18.2	138	NS		17.5	NS	11.3		57.4	17.8	NS	NS	24.4
Mercury	2	<0.2		0.26	NS			NS		2		0.32	NS	NS	0.37
November 3-4, 2014															
Antimony	6	<5	86	1800	920	570	250	460	310	160	810	220	NS	NS	130
Arsenic	10	<5			3								NS	NS	
Lead	15	<2			18		10						NS	NS	
Mercury	2	<0.2								1.2		0.5	NS	NS	0.5
February 3-4, 2015															
Barium	2000	-	100	240	NS	590	300	NS	280	150	810	200	NS	NS	130
Beryllium	4	<2		2	NS			NS					NS	NS	
Lead	15	<2		4	NS		14	NS					NS	NS	
Mercury	2	<0.2			NS			NS		1.4		0.45	NS	NS	0.44
July 27-28, 2015															
Barium	2000	-	180	200	NS	620	370	NS	250	170	1100	210	NS	NS	200
Lead	15	<2			NS		18	NS		0.21	4		NS	NS	2
February 11-12, 2016															
Barium	2000	-	170	200	270	810	260	460	190	170	910	230	NS	NS	140
Lead	15	<2					11					3	NS	NS	
pH (units)			6.20	5.80	6.60	6.60	5.70	6.30	6.30	5.70	5.80	5.70	NS	NS	5.60
Sp. Cond. (umhos/cm)			79	822	692	1150	93	1000	245	161	555	236	NS	NS	133
August 17-18, 2016															
Barium	2000	-	88	307**	161	656	101	427	199	201	193**	227	NS	NS	125
Lead	15	<2					3						NS	NS	
pH (units)			7.00	5.70	6.10	6.50	5.50	6.10	5.90	5.10	5.90	5.40	NS	NS	5.70
Sp. Cond. (umhos/cm)			126	2480	316	938	84	757	241	167	535	237	NS	NS	125
March 24, 2017															
Barium	2000	25	170	350**	190	660	99	330	81	210	186***	220	NS	NS	140
Lead	15	<2	2.2										NS	NS	1.4
pH (units)			6.05	6.09	6.42	6.81	6.00	6.26	6.45	5.72	5.81	5.77	NS	NS	5.78
Sp. Cond. (umhos/cm)			89	1090	356	960	104	545	124	175	546	242	NS	NS	119
November 6, 2017															
Barium	2000	25	450	**3500**	370	630	98	260	120	220	1200	250	NS	NS	160
Lead	15	<2	8.5								4.7	3.8	NS	NS	2
pH (units)			6.07	6.21	6.44	6.86	5.99	6.28	6.43	5.75	5.81	5.76	NS	NS	5.61
Sp. Cond. (umhos/cm)			97	1370	602	1000	103	483	192	199	605	267	NS	NS	132
March 19, 2018															
Barium	2000	25	170	**5400**	450	600	100	290	220	230	950	230	NS	NS	230
Lead	15	<2	2										NS	NS	4.2
pH (units)			6.15	6.21	6.40	6.80	5.83	6.54	6.18	5.72	5.79	5.77	NS	NS	5.75
Sp. Cond. (umhos/cm)			94	1410	652	876	96	359	293	186	547	243	NS	NS	138

Notes:
* = Action level
**= Dilution Factor of 10
***=Dilution Factor of 5
MCL = Maximum Contaminant Level
pql = practical quantitation limit
µg/L = micrograms per Liter
Bolded concentrations indicate the MCL or action level has been exceeded at the time of sampling.
Well TMW-12 was not sampled due to insufficient sample volume.
Concentrations that are not shown do not exceed their pql at the time of sampling.
NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 was dry or had insufficient volume

TABLE C
INORGANIC CONSTITUENTS DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
September 21, 2018															
Barium	2000	25	250	**4100**	900	630	1100	270	210	240	990	360	NS	NS	NS
Lead	15	<2	3.3	2.2	13		60	3.1				24	NS	NS	NS
pH (units)			5.60	6.0	6.0	6.60	6.0	5.70	5.80	5.10	5.10	5.20	NS	NS	NS
Sp. Cond. (umhos/cm)			86	1440	813	851	148	312	245	184	547	236	NS	NS	NS
March 8, 2019															
Barium	2000	25	370	**3500**	720	430	340	730	220	230	990	270	NS	NS	140
Lead	15	<2	7.5		6.9		15					7.7	NS	NS	2.1
pH (units)			6.00	6.10	6.50	6.90	5.80	6.10	5.90	5.40	5.50	5.70	NS	NS	NR
Sp. Cond. (umhos/cm)			102	1630	731	667	119	704	769	200	613	264	NS	NS	246
September 26, 2019															
Barium	2000	5	185	**3380**	590	601	188	590	155	272	1030	246	1390	NS	NS
Lead	15*	5											38.9	NS	NS
pH (units)			5.30	6.10	6.00	6.70	5.60	5.90	5.80	5.60	5.80	5.60	5.00	NS	NS
Sp. Cond. (umhos/cm)			94	1585	706	897	102	590	196	215	612	260	56	NS	NS
March 19, 2020															
Barium	2000	5	132	**2910**	DRY	479	244	269	189	235	981	234	285	NS	111
Lead	15*	5			DRY		13.7							NS	
pH (units)			5.90	6.40	DRY	6.70	6.40	6.40	6.10	5.70	5.90	5.70	5.50	NS	5.60
Sp. Cond. (umhos/cm)			96	1637	DRY	660	106	467	248	204	636	254	35	NS	122
Setember 23 & 24, 2020															
Barium	2000	5	148	**3530**	646	797	227	188	253	276	1170	269	820	NS	NS
Lead	15*	5					9.8						23.9	NS	NS
pH (units)			5.70	6.10	5.90	6.40	6.00	5.70	5.80	5.50	5.70	5.40	5.10	NS	NS
Sp. Cond. (umhos/cm)			92	1562	677	1021	95	402	171	216	624	258	46	NS	NS
March 19 & 20, 2021															
Barium	2000	5	131	**3330**	670	732	100	418	160	263	1030	244	98.3	NS	NS
Lead	15*	5		11.7								5.2		NS	NS
pH (units)			5.40	6.40	6.20	6.60	5.70	6.00	6.00	5.60	5.70	5.60	4.80	NS	NS
Sp. Cond. (umhos/cm)			92	1606	752	1046	95	436	192	217	650	256	48	NS	NS
September 29, 2021															
Barium	2000	5	110	**3200**	860	870	98	230	170	290	1100	270	170	NS	NS
Lead	15*	5			5.3									NS	NS
pH (units)			5.70	6.40	6.20	6.60	5.80	6.40	6.10	5.60	5.90	5.60	5.70	NS	NS
Sp. Cond. (umhos/cm)			91	1578	767	1157	89	395	194	224	637	259	53	NS	NS
March 29 & 30, 2022															
Barium	2000	5	126	**2800**	678	722	94.6	315	184	284	1100	245	76.8	NS	NS
Lead	15*	5		7.2		5.4								NS	NS
pH (units)			5.70	6.30	6.40	6.80	5.70	6.10	6.00	5.70	5.90	5.60	5.60	NS	NS
Sp. Cond. (umhos/cm)			92	1649	704	1069	90	473	226	235	644	262	49	NS	NS
December 26, 2022															
Barium	2000	5	190	**3150**	670	699	103	377	171	308	1040	260	192	NS	NS
Lead	15*	5		6										NS	NS
pH (units)			5.80	6.40	6.20	6.80	5.50	6.30	6.10	5.80	6.10	5.80	5.00	NS	NS
Sp. Cond. (umhos/cm)			89	1635	712	1054	96	568	199	247	631	260	56	NS	NS
March 20, 2023															
Barium	2000	5	127	**2920**	940	557	101	588	166	306	1070	258	105	NS	NS
pH (units)			5.1	5.7	5.6	7.2	5.8	5.3	5.4	8.4	6.0	5.7	5.6	NS	NS
Sp. Cond. (umhos/cm)			91	1707	962	803	45	373	187	244	671	259	46	NS	NS
September 21, 2023															
Barium	2000	5	116	**3010**	850	615	88.8	149	91.6	296	1040	253	189	NS	NS
Cobalt	-	5		12.2	39.1	8.4		7.8						NS	NS
Zinc	5,000	10		27.2			12.3	12.7			15.8		34.8	NS	NS
pH (units)			6.0	6.4	6.4	6.9	5.7	6.1	6.3	5.8	5.9	5.7	5.4	NS	NS
Sp. Cond. (umhos/cm)			79	1477	737	819	96	251	110	224	669	270	49	NS	NS
March 25 & 26, 2024															
Barium	2000	5	156	**3,020**	1,250	519	105	394	175	337	1,110	270	63.2	NS	NS
Cadmium	5	1		4.9										NS	NS
Cobalt	-	5		17.5	60.9	7.7		23.5						NS	NS
Lead	15*	5		9.1										NS	NS
Thallium	2	0.2		0.35										NS	NS
Vanadium	-	5		9.3										NS	NS
Zinc	5,000	10		178	12.9			12.5			11.3			NS	NS
pH (units)			5.4	6.2	6.2	6.7	5.3	5.9	5.8	5.0	5.9	5.7	5.2	NS	NS
Sp. Cond. (umhos/cm)			90	1819	1133	725	97	588	187	260	701	266	50	NS	NS

Notes:
* = Action level
MCL = Maximum Contaminant Level
pql = practical quantitation limit
µg/L = micrograms per Liter
Bolded concentrations indicate the MCL or action level has been exceeded at the time of sampling.
Concentrations that are not shown do not exceed their pql at the time of sampling.
NS - Not Sampled - TMW-12 and TMW-13 was recorded as dry or had insufficient volume
TMW -11 was located after the March 2019 sampling event.

TABLE C
INORGANIC CONSTITUENTS DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
September 24 & 25, 2024															
Barium	2000	5	127	**3270**	1010	650	97.3	357	106	335	1240	284	211	NS	NS
Cobalt	-	5		13.5	37.5	8.7		20.9						NS	NS
Zinc	5,000	10		39.9							14.2		31.5	NS	NS
pH (units)			5.7	6.3	6.4	6.8	5.4	6.2	5.9	5.7	5.8	5.6	5.5	NS	NS
Sp. Cond. (umhos/cm)			89	1814	814	890	130	591	128	270	723	278	64	NS	NS
March 25 & 26, 2024															
Barium	2000	5	144	**2990**	737	687	92.3	392	118	275	1220	263	275	NS	NS
Cobalt	-	5		12.8	23.4	9.5		26						NS	NS
Cadmium	5	1		2.7					1.6					NS	NS
Zinc	5,000	10	15	51	37.4			11			17.2			NS	NS
pH (units)			5.8	6.5	6.4	6.8	5.6	6.2	6.0	5.7	5.9	5.7	5.2	NS	NS
Sp. Cond. (umhos/cm)			84	1698	599	873	89	610	126	232	708	271	69	NS	NS

Notes:
* = Action level
MCL = Maximum Contaminant Level
pql = practical quantitation limit
µg/L = micrograms per Liter
Bolded concentrations indicate the MCL or action level has been exceeded at the time of sampling.
Concentrations that are not shown do not exceed their pql at the time of sampling.
NS - Not Sampled - TMW-12 and TMW-13 were recorded as dry or had insufficient volume

650 µg/L, 97.3 µg/L, 357 µg/L, 106 µg/L, 335 µg/L, 1,240 µg/L, 284 µg/L, and 211 µg/L, respectively. The MCL for Barium is 2,000 µg/L and the pql is 5 µg/L;

- Cobalt was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R, and MW-6, at concentrations of 13.5 µg/L, 37.5 µg/L, 8.7 µg/L, and 20.9 µg/L, respectively. The pql for Cobalt is 5 µg/L;
- Zinc was detected in the groundwater samples collected from MW-2RR, TMW-9, and TMW-11 at concentrations of 39.9 µg/L, 14.2 µg/L, and 31.5 µg/L, respectively. The MCL for Zinc is 5,000 µg/L and the pql is 10 µg/L;
- The pH was found to range from 5.4 units in MW-5 to 6.8 units in MW-4R; and
- The Specific Conductance was found to range from 64 micromhos per centimeter (µmhos/cm) in TMW-11 to 1,814 µmhos/cm in MW-2RR.

March 24, 2025 Semiannual Sampling Event: A review of the analytical data from the groundwater samples collected from the monitoring wells during the March 24, 2025 semiannual sampling event indicated four (4) inorganic constituents (Barium, Cadmium, Cobalt, and Zinc) were detected in excess of their pqls, and one (1) constituent (Barium) was detected in excess of its MCL (Table C).

- Barium was detected in the groundwater samples collected from MW-1R, MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11 at concentrations of 144 µg/L, **2990 µg/L**, 737 µg/L, 687 µg/L, 92.3 µg/L, 392 µg/L, 118 µg/L, 275 µg/L, 1,220 µg/L, 263 µg/L, and 78.6 µg/L, respectively. The MCL for Barium is 2,000 µg/L and the pql is 5 µg/L;

- Cadmium was detected in the groundwater sample collected from MW-2RR and MW-7 at a concentration of 2.7 µg/L and 1.6 µg/L. The MCL for Cadmium is 5 µg/L and the pql is 1 µg/L;
- Cobalt was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R, and MW-6, at concentrations of 12.8 µg/L, 23.4 µg/L, 9.5 µg/L, and 26.0 µg/L, respectively. The pql for Cobalt is 5 µg/L;
- Zinc was detected in the groundwater samples collected from MW-1R, MW-2RR, MW-3, MW-6, and TMW-9, at concentrations of 15 µg/L, 51 µg/L, 37.4 µg/L, 11 µg/L, and 17.2 µg/L, respectively. The MCL for Zinc is 5,000 µg/L and the pql is 10 µg/L;
- The pH was found to range from 5.0 units in TMW-11 to 6.7 units in MW-4R; and
- The Specific Conductance was found to range from 50 µmhos/cm in TMW-11 to 1,819 µmhos/cm in MW-2RR.

4.1.2 Volatile Organic Compounds (VOCs) Detected

A list of the Volatile Organic Compounds (VOCs) detected at the Newberry County Class Three MSW Landfill since 2007 are shown in **Table D**. A review of the analytical data from the monitoring wells for the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events are summarized below.

September 24 & 25, 2024 Semiannual Sampling Event:

Thirteen (13) VOCs were detected in excess of their pqls and Methylene Chloride, Trichloroethene, and Vinyl Chloride were detected in excess of their MCLs during September 25 & 26, 2024 semiannual sampling event (Table D).

- Benzene was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R MW-8, TMW-9, and TMW-10 at concentrations of 4.3 µg/L, 1.7 µg/L, 1.1 µg/L, 2.8 µg/L, 1.8 µg/L,

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
June 22, 2007															
1,1-Dichloroethane	-	<1.0	3.4	27	23	70			2.9	2.6	11	44		NS	NS
1,1-Dichloroethene	7	<5.0		3.9	3.2	**9.9**						5.3		NS	NS
1,2-Dichlorobenzene	600	<1.0				2.9								NS	NS
1,4-Dichlorobenzene	75	<5.0		6.8	7.5	5		8			1.9			NS	NS
Benzene	5	<1.0		**15**	**19**	4.4		**7.6**	3.2			1.3		NS	NS
Bromodichloromethane	80	<5.0	10											NS	NS
Bromomethane	-	<10.0	3.3											NS	NS
Chlorobenzene	100	<5.0		2.2	2.1	4.2								NS	NS
Chloroethane	-	<10.0		8.7	10	5.8		6.3	3.6		1	1.2		NS	NS
Chloroform	80	<5.0	65											NS	NS
Dichlorodifluoromethane	-	<5.0		1.5	1.9	1.8				4.3	2.6	2.8		NS	NS
Methylene Chloride	5	<5.0	2	**32**	**34**	**27**			**12**		**56**	**29**		NS	NS
Naphthalene	-	<5.0		1.5	1.7									NS	NS
Tetrachloroethene	5	<5.0		**21**	**27**						3.1	2.8		NS	NS
Toluene	1,000	<5.0		1.3	1.6	2.5								NS	NS
Tricholoroethene	5	<5.0		**14**	**18**	2.3			1.1	1	4.1	4.3		NS	NS
Vinyl Chloride	2	<5.0						1						NS	NS
Xylenes (Total)	10,000	<10.0		2.8	3.3	2.2								NS	NS
cis-1,2-Dichloroethene	70	<5.0		**89**	**110**	8.7		18	5.2	1.4	21	6.2		NS	NS
sec-Butylbenzene	-	<1.0		1.2	1.4									NS	NS
Isopropylbenzene (Cumene)	-	<5.0		1.8	2.1	1.7		4.5						NS	NS
Methyl-tert-butyl ether (MTBE)	-	<1.0		3.6	3.3	5.1		26	3.1		1.1			NS	NS
December 31, 2007															
1,1-Dichloroethane	-	<5.0		12.3	12.8	17.8					11.1	39.8		NS	NS
1,4-Dichlorobenzene	75	<5.0					7	7.8					7.6	NS	NS
Benzene	5	<5.0					7.3	**7.7**					**8.3**	NS	NS
Dichlorodifluoromethane	-	<5.0								5.4				NS	NS
Methylene Chloride	5	<5.0									**43.8**	25		NS	NS
cis-1,2-Dichloroethene	70	<5.0					15.1	16.6	9.8		19.6	6.6	16.3	NS	NS
Diethyl Ether	-	<5.0		12.2	11.8	17.3	61.9	67.5	28.4		27.6	11.6	68.4	NS	NS
Methyl-tert-butyl ether (MTBE)	-	<5.0					15.8	18.1	**20.1**				17.7	NS	NS
April 4, 2008															
1,1-Dichloroethane	-	<5.00	NS	NS	NS	NS	0.727 J	NS	NS	NS	NS	NS	0.740 J	NS	NS
March 12-13, 2009															
1,1-Dichloroethane	-	<5.00		25.9	16.5	31.9				6.32	18.6	61.6	NS	NS	NS
1,1-Dichloroethene	7	<5.0		1.38 J		**8.46**				2.29 J		**9.94**	NS	NS	NS
1,2-Dichlorobenzene	600	<5.00				1.16 J							NS	NS	NS
1,4-Dichlorobenzene	75	<5.00		11.6	6.87	1.95 J		8.64			5.31		NS	NS	NS
Benzene	5	<5.00		**8.88**	**20.5**	2.29 J		4.58 J	1.40 J		4.80 J	2.57 J	NS	NS	NS
Chlorobenzene	100	<5.00		3.22 J	2.74 J	4.02 J		1.62 J			2.94 J		NS	NS	NS
Chloroethane	-	<5.00			6.56			28.5					NS	NS	NS
Dichlorodifluoromethane	-	<5.00			1.26 J						10.3	5.32	NS	NS	NS
Methylene Chloride	5	<10.0		**191**	**33.2**	**8.85 J**			9.92 J		**99**	**83.7**	NS	NS	NS
Tetrachloroethene	5	<5.00		**6.03**	**21.7**					1.05 J	**6.21**	3.88 J	NS	NS	NS
Tricholoroethene	5	<5.00		**11.9**	**13.5**					2.11 J	**8.62**	**6.19**	NS	NS	NS
Trichlorofluormethane	-	<5.00		1.04 J						3.26 J		1.58	NS	NS	NS
Vinyl Chloride	2	<5.00		1.73 J	**2.23 J**								NS	NS	NS
Xylenes (Total)	10,000	<10.0		11.8	8.52 J						2.91 J		NS	NS	NS
cis-1,2-Dichloroethene	70	<5.00		69.2	**142**	5.42		15.8	5.43	4.08 J	41.6	13	NS	NS	NS
Isopropylbenzene (Cumene)	-	<5.00		1.96 J	1.92 J	1.07 J		2.75 J			0.749 J		NS	NS	NS
Methyl-tert-butyl ether (MTBE)	-	<5.00		2.40 J	4.85 J	3.07 J		20	3.72 J				NS	NS	NS
1,2,4-Trimethylbenzene	-	<5.00		1.14 J									NS	NS	NS
December 3-4, 2009															
1,1-Dichloroethane	-	<5.00		22	14.3	19.8	NS	2.64 J	3.72 J	7.08	15.7	50.1	NS	NS	NS
1,1-Dichloroethene	7	<5.00		1 J		4.15 J	NS			2.23 J	0.924 J	**7.22**	NS	NS	NS
1,2-Dichlorobenzene	600	<5.00		2.24 J		2.96 J	NS						NS	NS	NS
1,2-Dichloroethane	5	<5.00			1.26 J		NS						NS	NS	NS
1,3-Dichlorobenzene	-	<5.00				0.43 J	NS						NS	NS	NS
1,4-Dichlorobenzene	75	<5.00		17.5	10.7	4.51 J	NS	12	2.32 J		8.28	2.16 J	NS	NS	NS
Benzene	5	<5.00		**8**	**18.1**		NS	4.71 J	1.46 J		3.91 J	2.32 J	NS	NS	NS
Bromodichloromethane	80	<5.00				2.19 J	NS						NS	NS	NS
Chlorobenzene	100	<5.00		5.51	4.44 J	7.11	NS	4.07 J	1.93 J		5.07		NS	NS	NS
Chloroethane	-	<5.00			4.8 J	0.9 J	NS	5.81	1.09 J				NS	NS	NS
Dichlorodifluoromethane	-	<5.00		8.4	1.66 J	0.63 J	NS			6.45	7.35	4.27 J	NS	NS	NS
Ethylbenzene	700	<5.00			1.75 J		NS						NS	NS	NS
Methylene Chloride	5	<10.0		**119**	**26.6**	4.09 J	NS	1.22 J	**9.41 J**	1.03 J	**74.3**	**64.9**	NS	NS	NS
Naphthalene	-	<5.00				9.07	NS						NS	NS	NS
Tetrachloroethene	5	<5.00		**5.94**	**19.8**		NS		0.973 J	1.75 J	**7.45**	4.79	NS	NS	NS
Toluene	1,000	<5.00			3.47	1.22 J	NS						NS	NS	NS
Tricholoroethene	5	<5.00		**10.7**	**12**	0.863 J	NS	0.646 J	0.937 J	2.45 J	**7.93**	**6**	NS	NS	NS
Trichlorofluormethane	-	<5.00					NS			3.22 J	1.26 J	1.57 J	NS	NS	NS
Vinyl Chloride	2	<5.00		**2.01 J**	**2.18 J**		NS	1.55 J			1.36 J		NS	NS	NS
Xylenes (Total)	10,000	<10.0		18.3	15.3	5.17 J	NS				11.5		NS	NS	NS
cis-1,2-Dichloroethene	70	<5.00		64.2	**139**	4.34 J	NS	11.6	7.36	4.18 J	36.1	13.9	NS	NS	NS
Isopropylbenzene (Cumene)	-	<5.00		5.97	5.97	5.53	NS	6.59			5.17		NS	NS	NS
Methyl-tert-butyl ether (MTBE)	-	<5.00		4.86 J	6.64	5.57	NS	16	7.41				NS	NS	NS
1,2,4-Trimethylbenzene	-	<5.00			4.54 J		NS						NS	NS	NS

Notes:

µg/L = micrograms per liter

MCL = Maximum Contaminant Level

pql = practical quantitation limit

J = Estimated Value

Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.

NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 was dry or had insufficient volume

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
June 21-22, 2010															
1,1-Dichloroethane	-	<5		25.2	9.6	22.3		1.12 J		5.16 J	18.4	18.4	NS	NS	
1,1-Dichloroethene	7	<5				2.83 J							NS	NS	
1,2-Dichloroethane	5	<5		2.43 J	1.85 J						1.15 J	1.15 J	NS	NS	
1,3-Dichlorobenzene	-	<5											NS	NS	
1,4-Dichlorobenzene	75	<5		16.5	10.6	4.49 J		9.18			9.01	9.01	NS	NS	
2-Hexanone	-	<5											NS	NS	6.27
Acetone	-	<25						2.52 J					NS	NS	
Benzene	5	<5		**8.05**	**15.8**	2.69 J		4.93 J			4.41 J	4.41 J	NS	NS	
Carbon Disulfide	-	<5		13.2						1.23 J			NS	NS	1.02 J
Chlorobenzene	100	<5		3.91	3.44 J	6.11		2.94 J			4.49 J	4.49 J	NS	NS	
Chloroethane	-	<5						7.51					NS	NS	
Dichlorodifluoromethane	-	<5		12.1						10.8	12.8	12.8	NS	NS	
Ethylbenzene	700	<5						0.152 J					NS	NS	
Methylene Chloride	5	<10		**120**	20.5	1.94 J			1.24 J		**102**	**102**	NS	NS	
Tetrachloroethene	5	<5			4.93 J						**6.35**	6.35	NS	NS	
Toluene	1,000		0.927 J	6	1.34 J	2.18 J	0.998 J	1.12 J	0.924 J	1.01 J	1.04 J	1.04 J	NS	NS	0.889 J
Tricholoroethene	5	<5		**8.97**	1.36 J			0.781 J			**8.53**	**8.53**	NS	NS	
Trichlorofluormethane	-	<5								5.17			NS	NS	
Vinyl Chloride	2	<5						1.61 J					NS	NS	
Xylenes (Total)	10,000	<10		11.2	4.36 J			0.579 J			3.55 J	3.55 J	NS	NS	
cis-1,2-Dichloroethene	70	<5		61.9	**129**	4.8 J		11.7	2.02 J	2.95 J	38.7	38.7	NS	NS	
December 1-2, 2010															
1,1-Dichloroethane	-	<5.0		23	14	23				7.6	20	70	NS	NS	
1,1-Dichloroethene	7	<5.0										**10**	NS	NS	
1,4-Dichlorobenzene	75	<5.0		17	9.1			7.7			6.1		NS	NS	
Benzene	5	<5.0		**9**	**14**			**6.7**			**5.1**		NS	NS	
Chlorobenzene	100	<5.0				6.3							NS	NS	
Dichlorodifluoromethane	-	<10		12						13	14		NS	NS	
Methylene Chloride	5	<5.0		**75**	**29**				**6.1**		**91**	**79**	NS	NS	
Tetrachloroethene	5	<5.0			**16**						**6.4**	**6.2**	NS	NS	
Tricholoroethene	5	<5.0		**9.8**	**11**						**9.7**	**9.6**	NS	NS	
Trichlorofluormethane	-	<5.0								6.2			NS	NS	
Vinyl Chloride	2	<2.0		6.3	**3**			**2.9**			**2.4**		NS	NS	
Xylenes (Total)	10,000	<5.0		11									NS	NS	
cis-1,2-Dichloroethene	70	<5.0		61	**110**	6.2		15	11		39	18	NS	NS	
February 6-7, 2012															
1,1-Dichloroethane	-	<5		15.1	10.7	10.6	1.86 J	1.4 J	3.1 J	8.7	13.4	48.1	NS	NS	
1,1-Dichloroethene	7	<5		0.585 J		0.913 J				2.67 J	0.537 J	4.94 J	NS	NS	
1,2-Dichlorobenzene	600	<5		0.472 J	0.286 J	2.16 J					0.399 J		NS	NS	
1,2-Dichloroethane	5	<5		2.15 J	0.884 J								NS	NS	
1,3-Dichlorobenzene	-	<5		13									NS	NS	
1,4-Dichlorobenzene	75	<5			7.45	3.53 J		8.82	2.97 J	0.993 J	7.23		NS	NS	
Acetone	-	<5				2.45 J		1.42 J	0.909 J				NS	NS	
Benzene	5	<5		**5.04**	**11.1**	1.86 J		**7.41**	0.969 J	0.873 J	3.35 J	2.89 J	NS	NS	
Chlorobenzene	100	<5		4.87 J	1.65 J	4.26 J		3.21 J	0.275 J	0.539 J	3.52 J		NS	NS	
Chloroethane	-	<5		0.855 J	5.06	2.04 J		3.51 J	2.12 J		0.588 J	1.08 J	NS	NS	
Dichlorodifluoromethane	-	<10		7.42			0.475 J			8.03	6.78	6.28	NS	NS	
Ethylbenzene	700	<5			0.629 J								NS	NS	
Methylene Chloride	5	<5		**54.3**	**17.5**			0.52 J	**7.97**	3.57 J	**51.7**	53.7	NS	NS	
Styrene	100	<5										0.067 J	NS	NS	
Tetrachloroethene	5	<5		3.1 J	**14.1**				0.799 J	1.54 J	4.14 J	4.94 j	NS	NS	
Toluene	1,000	<5			2.33 J								NS	NS	
Tricholoroethene	5	<5		**5.06**	**7.43**			0.617 J	0.801 J	2.82 J	**5.27**	**5.92**	NS	NS	
Trichlorofluormethane	-	<5		0.413			0.512 J			3.95 J	0.877 J	1.85 J	NS	NS	
Vinyl Chloride	2	<5		**2.77 J**	1.9 J			1.98 J			1.77 J		NS	NS	
Xylenes (Total)	10,000	<15		6.94 J	5.41 J			0.966 J			2.77 J	1.71 J	NS	NS	
cis-1,2-Dichloroethene	70	<5		45.5	**90.9**	4.83 J	0.533 J	12.2	9.52	7.63	30.5	18.9	NS	NS	
August 30-31, 2012															
1,1-Dichloroethane	-	<5.00		15.3	10.8	10.5	1.86 J	NS	2.37	7.6	11.7	43.7	NS	NS	1.07 J
1,1-Dichloroethene	7	<5.00		0642 J	0.613 J	0.874 J		NS		2.05 J		4.38 J	NS	NS	
1,2-Dichlorobenzene	600	<5.00		0.611 J		2.76 J		NS			0.415 J		NS	NS	
1,2-Dichloroethane	5	<5.00		2.22 J	0.916 J			NS			0.626 J		NS	NS	
1,2-Dichloropropane	5	<5.00		0.516 J	0.42 J			NS			0.434 J		NS	NS	
1,4-Dichlorobenzene	75	<5.00		12.1	5.51	3.92 J		NS	2.29 J	1.16 J	6.31	2.1 J	NS	NS	
Acetone	-	<5.00		1.18 J				NS					NS	NS	
Chlorobenzene	100	<5.00		4.72 J	1.9 J	**5.46**		NS		0.599 J	3.04 J	0.368 J	NS	NS	
Dichlorodifluoromethane	-	<5.00		7.02			0.998 J	NS		5.56	5.72	4.02 J	NS	NS	
Ethylbenzene	700	<5.00			1.16 J			NS					NS	NS	
Methylene Chloride	5	<5.00		**49.4**	2.2 J			NS	4.81 J	4.59 J	**44.9**	**49.8**	NS	NS	
Tetrachloroethene	5	<5.00		3.71 J	**9.03**			NS	0.642 J	1.86 J	3.49 J	4.73 J	NS	NS	
Toluene	1,000	<5.00			3.09	0.938 J		NS					NS	NS	
Tricholoroethene	5	<5.00		**5.18**	**5.14**	0.422 J	0.388 J	NS	0.807 J	2.61 J	4.33 J	6.31	NS	NS	
Trichlorofluormethane	-	<5.00					0.651 J	NS		2.39 J			NS	NS	
Vinyl Chloride	2	<5.00		**3.18 J**	**2.64 J**	0.569 J		NS			1.92 J		NS	NS	
Xylenes (Total)	10,000	<15.0		7.27 J	2.83 J			NS			2.37 J	1.95 J	NS	NS	
cis-1,2-Dichloroethene	70	<5.00		42.1	**116**	4.76 J	0.846 J	NS	7.71	7.89	27.2	20.4	NS	NS	
trans-1,2-Dichloroethene	100	<5.00		0.327 J	0.625 J			NS					NS	NS	

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
J = Estimated Value
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 was dry or had insufficient volume

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
February 21, 2013															
1,1-Dichloroethane	-	<5.00		16.8	NS	4.69 J	1.55 J	NS	2.3 J	8.49	12.4	3.47 J	NS	NS	1.24 J
1,1-Dichloroethene	7	<5.00		0.815 J	NS	0.867 J		NS		2.79 J	0.549 J	0.445 J	NS	NS	
1,2-Dichlorobenzene	600	<5.00		0.625 J	NS	0.502 J		NS	0.205 J		0.33 J		NS	NS	
1,2-Dichloroethane	5	<5.00		2.26 J	NS			NS					NS	NS	
1,4-Dichlorobenzene	75	<5.00		14.2	NS	1.12 J		NS	2.21 J	0.66 J	5.57	0.444 J	NS	NS	
Acetone	-	<5.00		2.68 J	NS	1.55 J		NS	3.96 J			1.32 J	NS	NS	
Benzene	5	<5.00		**5.15**	NS	1.75 J		NS	0.687 J	0.62 J	2.75 J	0.245 J	NS	NS	
Chlorobenzene	100	<5.00		6.15	NS	0.801 J		NS		0.325 J	2.65 J		NS	NS	
Dichlorodifluoromethane	-	<5.00		14.2	NS		0.522 J	NS		13.2	9.31	0.745 J	NS	NS	
Methylene Chloride	5	<5.00		54.1	NS			NS	0.385 J	3.53 J	**40.9**	3.56 J	NS	NS	
Tetrachloroethene	5	<5.00		3.88 J	NS			NS	0.765 J	1.59 J	3.46 J	0.688 J	NS	NS	
Toluene	1,000	<5.00			NS	1.67 J		NS					NS	NS	
Tricholoroethene	5	<5.00		**6.12**	NS			NS	0.74 J	2.72 J	4.6 J	0.69 J	NS	NS	
Trichlorofluormethane	-	<5.00		0.524 J	NS		0.305 J	NS		3.89 J	0.723 J		NS	NS	
Vinyl Chloride	2	<5.00		**3.56 J**	NS			NS			**2.04 J**		NS	NS	
Xylenes (Total)	10,000	<15.0		9.09 J	NS			NS			2.03 J		NS	NS	
cis-1,2-Dichloroethene	70	<5.00		48.7	NS	1.97 J	0.486 J	NS	6.51	5.82	25.4	2.07 J	NS	NS	
August 29-30, 2013															
1,1-Dichloroethane	-	<1.0		16.7	NS	8.1	1.1	NS		10.5	13.5	42.9	NS	NS	
1,1-Dichloroethene	7	<1.0			NS			NS		3.5		5.9	NS	NS	
1,2-Dichlorobenzene	600	<1.0			NS	2.1		NS					NS	NS	
1,2-Dichloroethane	5	<1.0		2.3	NS			NS					NS	NS	
1,4-Dichlorobenzene	75	<1.0		17.6	NS	3.6		NS		1.2	8.9	2.4	NS	NS	
Benzene	5	<1.0		5.3	NS	1.2		NS		1.3	3.4	2.7	NS	NS	
Chlorobenzene	100	<1.0		6.8	NS	4.2		NS			4.2		NS	NS	
Chloroethane	-	<1.0		1.2	NS			NS				1.2	NS	NS	
Dichlorodifluoromethane	-	<1.0		7.7	NS			NS		9.6	6.8	5.2	NS	NS	
Methylene Chloride	5	<2.0		**36.2**	NS			NS		**7.4**	**40.8**	**44**	NS	NS	
Naphthalene	-	<1.0		1.9	NS			NS					NS	NS	
Tetrachloroethene	5	<1.0		3.5	NS			NS		2.4	4.1	4.6	NS	NS	
Tricholoroethene	5	<1.0		**5.6**	NS			NS		3.9	**5.4**	5.8	NS	NS	
Trichlorofluormethane	-	<1.0			NS			NS		4.4	1.3	1.7	NS	NS	
Vinyl Chloride	2	<1.0		**4.8**	NS			NS			2.1		NS	NS	
Xylenes (Total)	10,000	<2.0		7.9	NS			NS					NS	NS	
cis-1,2-Dichloroethene	70	<5		45.3	NS	3.5		NS	1.5	9.3	30.2	20.6	NS	NS	
February 4-5, 2014															
1,1-Dichloroethane	-	<1.0		17	NS	8.6		NS		11	11	42	NS	NS	
1,1-Dichloroethene	7	<2.0			NS			NS		4		5.5	NS	NS	
1,2-Dichlorobenzene	600	<1.0			NS	2		NS					NS	NS	
1,2-Dichloroethane	5	<1.0		2.4	NS			NS					NS	NS	
1,4-Dichlorobenzene	75	<1.0		15	NS	3.1		NS	1.4		5.1	2.5	NS	NS	
Benzene	5	<1.0		**5.3**	NS	1.4		NS	1.2	1.2	2.4	2.8	NS	NS	
Chlorobenzene	100	<1.0		5.9	NS	3.3		NS			2.4		NS	NS	
Dichlorodifluoromethane	-	<1.0		6	NS			NS		11	5.8	5.7	NS	NS	
Hexachlorobutadiene	-	<1.0			NS			NS			2.4		NS	NS	
Methylene Chloride	5	<5.0		**29**	NS			NS		**11**	**5.3**	**43**	NS	NS	
Tetrachloroethene	5	<1.0		3.2	NS			NS		2.5	2.8	4.9	NS	NS	
Tricholoroethene	5	<1.0		**5.2**	NS			NS		4.3	4	**6.2**	NS	NS	
Trichlorofluormethane	-	<1.0			NS			NS		3.2		1.2	NS	NS	
Vinyl Chloride	2	<1.0		**5.7**	NS			NS			1.9		NS	NS	
Xylenes (Total)	10,000	<1.0		5.8	NS			NS			2	2	NS	NS	
cis-1,2-Dichloroethene	70	<1.0		45	NS	3.9		NS	4.4	10		23	NS	NS	
trans-1,2-Dichloroethene	100	<2.0			NS			NS			23		NS	NS	
November 3-5, 2014															
1,1-Dichloroethane	-	<1.0		18.2	7.3	9.5				14	15.6	40.6	NS	NS	
1,1-Dichloroethene	7	<1.0				1.2				6		5.5	NS	NS	
1,2-Dichloroethane	5	<1.0		2.6									NS	NS	
Benzene	5	<1.0		**5.8**	**7.5**	1.4		4	2	1.3	3.5	3.3	NS	NS	
Chloroethane	-	<1.0			2.1	1.4		2.6					NS	NS	
Dichlorodifluoromethane	-	<1.0		7.8						12.5	6.9	7	NS	NS	
Methylene Chloride	5	<2.0		**29.3**						17.4	**42**	**45.8**	NS	NS	
Tetrachloroethene	5	<1.0		2.9	**7.3**					2.6	3.2	**5.7**	NS	NS	
Tricholoroethene	5	<1.0		**5**	3					4.8	**5.3**	**7.8**	NS	NS	
Vinyl Chloride	2	<1.0		**6.7**	**2.8**	1.1		1.9			2.8		NS	NS	
cis-1,2-Dichloroethene	70	<1.0		50.3	**83.3**	4.2		7.9	6	12.5	34.7	34	NS	NS	
February 3-4, 2015															
1,1-Dichloroethane	-	<1.0		16.4	2.9	8.6		1.1		14	14.5	36.9	NS	NS	
1,1-Dichloroethene	7	<1.0				1.5				6		5.1	NS	NS	
1,2-Dichloroethane	5	<1.0		2.4									NS	NS	
Benzene	5	<1.0		**6**	2.8	1.4		3.5	1.6	1	3.5	3	NS	NS	
Chloroethane	-	<1.0 Za				1.5		2.9					NS	NS	
Dichlorodifluoromethane	-	<1.0		7						13	7.6	7.6	NS	NS	
Methylene Chloride	5	<2.0		**18.3**	2.7					**18**	**36.7**	**38.6**	NS	NS	
Tetrachloroethene	5	<1.0		2.5	2.3					3	3.2	**5.2**	NS	NS	
Tricholoroethene	5	<1.0		**5.2**	1					**6**	**5.4**	**7.4**	NS	NS	
Vinyl Chloride	2	<1.0		7.5	1.1			1.9			**2.6**		NS	NS	
cis-1,2-Dichloroethene	70	<1.0		44.5	41.9	3.9		8.2	5.1	13	30.9	28.8	NS	NS	

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
J = Estimated Value
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 was dry or had insufficient volume

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
July 27-28, 2015															
1,1-Dichloroethane	-	<1.0		16.3	5.5	9.4			16.9	16.8	40.5		NS	NS	
1,1-Dichloroethene	7	<1.0							5.9		5		NS	NS	
1,2-Dichloroethane	5	<1.0		2.9						1.1			NS	NS	
Benzene	5	<1.0		**6.1**	4.3	1.5		2.6	1.4	3.4	3.1		NS	NS	
Chloroethane	-	<1.0											NS	NS	
Dichlorodifluoromethane	-	<1.0		5					13	7.6	7.5		NS	NS	
Methylene Chloride	5	<2.0		**9.5**					16.6	**28.8**	**32.6**		NS	NS	
Tetrachloroethene	5	<1.0		1.6	2.2				2.2	3	4.9		NS	NS	
Tricholoroethene	5	<1.0		4.4	1.5				5.4	**5**	7		NS	NS	
Vinyl Chloride	2	<1.0		**8**	**18.8**	1.6		**2.1**		**3.1**			NS	NS	
cis-1,2-Dichloroethene	70	<1.0		41.3	41.7	3.6		6.9	13.4	31.6	30.7		NS	NS	
February 11-12, 2016															
1,1-Dichloroethane	-	<1.0		9.6	1.6	5	1.9			14.4	13	25	NS	NS	
1,1-Dichloroethene	7	<1.0								5.1		3.1	NS	NS	
1,2-Dichloroethane	5	<1.0		1.5									NS	NS	
Benzene	5	<1.0		**5.6**		1.6	2.3			1.3	3.2	2.6	NS	NS	
Chloroethane	-	<1.0				1.2	3.2						NS	NS	
Dichlorodifluoromethane	-	<1.0		2.9						13.4	7.2	7.4	NS	NS	
Methylene Chloride	5	<2.0		4.7						**24.2**	**32.7**	**32.6**	NS	NS	
Tetrachloroethene	5	<1.0		1						2.3	2.8	4.2	NS	NS	
Tricholoroethene	5	<1.0		3.2						**5.4**	4.4	**5.8**	NS	NS	
Vinyl Chloride	2	<1.0		**5.9**	1.1	1.4	1.2				**2.7**		NS	NS	
cis-1,2-Dichloroethene	70	<1.0		37.9	8.1	1.9	8.3			15.1	31.7	31	NS	NS	
August 17-18, 2016															
1,1-Dichloroethane	-	<1.0		10	1.1	5.4	1.6			15.6	13.2	23.7	NS	NS	
1,1-Dichloroethene	7	<1.0								5.8		2.8	NS	NS	
1,2-Dichloroethane	5	<1.0		1.6									NS	NS	
Benzene	5	<1.0		**5.7**		1.3	2.9			1.6	2.7	2.5	NS	NS	
Chloroethane	-	<1.0				1.3	1.6						NS	NS	
Dichlorodifluoromethane	-	<1.0		2.3						10.3	5.5	6.6	NS	NS	
Methylene Chloride	5	<2.0		3.3						**20.1**	**22.4**	**24.4**	NS	NS	
Tetrachloroethene	5	<1.0								2.4	2.4	4.5	NS	NS	
Tricholoroethene	5	<1.0		3.6						**5.1**	3.8	**6.1**	NS	NS	
Vinyl Chloride	2	<1.0		**3.8**		**2.4**	1				1.8		NS	NS	
cis-1,2-Dichloroethene	70	<1.0		37.2	3.9	1.9	9.2	1.3		16.1	30.4	36.1	NS	NS	
March 24, 2017															
1,1-Dichloroethane	-	5.0		9.4						12.0	7.2	21.0	NS	NS	
Benzene	5	5.0		**5.5**									NS	NS	
Dichlorodifluoromethane	-	5.0								9		6.3	NS	NS	
Methylene Chloride	5	5.0								**19**		**27**	NS	NS	
Tetrachloroethene	5	5.0										**5.3**	NS	NS	
Tricholoroethene	5	5.0										**6.1**	NS	NS	
Vinyl Chloride	2	2.0		**7.8**									NS	NS	
cis-1,2-Dichloroethene	70	5.0		28				6.3		10	14	33	NS	NS	
November 6, 2017															
1,1-Dichloroethane	-	5.0		11						15	11	19	NS	NS	
Benzene	5	5.0		**5.8**									NS	NS	
Dichlorodifluoromethane	-	5.0								10		6	NS	NS	
Methylene Chloride	5	5.0								**25**	**17**	**25**	NS	NS	
Tricholoroethene	5	5.0								**5.6**		**5.7**	NS	NS	
Vinyl Chloride	2	2.0		**14**	**10**	**2.9**					**3**		NS	NS	
cis-1,2-Dichloroethene	70	5.0		23	9.7					18	25	36	NS	NS	
March 19, 2018															
1,1-Dichloroethane	-	5.0		12						15	9.5	17	NS	NS	
Benzene	5	5.0		**6.3**									NS	NS	
Dichlorodifluoromethane	-	5.0								9.4		5.2	NS	NS	
Methylene Chloride	5	5.0								**24**	**15**	**22**	NS	NS	
Tricholoroethene	5	5.0								**5.9**		**5.6**	NS	NS	
Vinyl Chloride	2	2.0		**16***	**6.3**	**2.4**					**2.8**		NS	NS	
cis-1,2-Dichloroethene	70	5.0		21	8.4					19	23	32	NS	NS	
September 21, 2018															
1,1-Dichloroethane	-	5.0		9.8	5.3					16	9.7	17	NS	NS	NS
Benzene	5	5.0		**5.9**									NS	NS	NS
cis-1,2-Dichloroethene	70	5.0		8.9	26					20	22	34	NS	NS	NS
Dichlorodifluoromethane	-	5.0								9.6		5	NS	NS	NS
Methylene Chloride	5	5.0								**29**	**14**	**24**	NS	NS	NS
Tricholoroethene	5	5.0								**6.1**		**5.4**	NS	NS	NS
Vinyl Chloride	2	2.0		**24**	**13**	**3.8**					**3.2**		NS	NS	NS
March 8, 2019															
Benzene	5	5.0		**5.6**									NS	NS	
Dichlorodifluoromethane	-	5.0								6.1			NS	NS	
1,1-Dichloroethane	-	5.0		7.4						9.9	9.0	15	NS	NS	
cis-1,2-Dichloroethene	70	5.0			6.5					8.5	22	29	NS	NS	
Methylene Chloride	5	5.0								**14**	**13**	**19**	NS	NS	
Tricholoroethene	5	5.0										**5.1**	NS	NS	
Vinyl Chloride	2	2.0		**24**	**4.6**	**3.3**					**3.3**		NS	NS	

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS - Not Sampled - TMW-11 has not been located since April 4, 2008. TMW-12 and TMW-13 were recorded as dry or had insufficient volume

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
September 26, 2019															
Benzene	5	1		**5.5**	2.2	1.1				2.2	2.3	2.8		NS	NS
Chlorobenzene	100	1		6.3		6.2				1.0	4.0			NS	NS
Chloroethane	-	1				1.5								NS	NS
1,2-Dichlorobenzene	-	1				1.5								NS	NS
1,4-Dichlorobenzene	-	1		20.2	8.5	3.6		1.5		2.4	10.2	3.9		NS	NS
1,1-Dichloroethane	-	1		7.8	2.6	4.2	2.1			15.2	8	15		NS	NS
1,2-Dichloroethane	7	1		1.5										NS	NS
1,1-Dichloroethene	5	1								3.4		1.6		NS	NS
cis-1,2-Dichloroethene	70	1		2.2	17.4		3.2		1.1	20.8	22.2	37.2		NS	NS
Methylene Chloride	5	5								**30.1**	**11.2**	**22.6**		NS	NS
Tetrachloroethene	5	1			1.2					2.5	1.3	3.5		NS	NS
Toluene	100	1		1.1										NS	NS
Tricholoroethene	5	1			1.7					**5.2**	1.9	4.7		NS	NS
Trichlorofluoromethane	-	1								3.1		1.3		NS	NS
Vinyl Chloride	2	1		**21.9**	**9.6**	**3.1**					**2.9**			NS	NS
o-Xylene	10,000	1			1.1									NS	NS
March 19, 2020															
Benzene	5	1		**6.0**	NS					2.1	2.2	2.5		NS	
Chlorobenzene	100	1		6.6	NS	2.0					3.8			NS	
1,4-Dichlorobenzene	-	1		22.3	NS	1.7				1.9	9.7	3.1		NS	
1,1-Dichloroethane	-	1		6.1	NS	4.9	1.8			14.9	6.9	14.7		NS	1.1
1,2-Dichloroethane	7	1		1.2	NS									NS	
1,1-Dichloroethene	5	1			NS					3.4		1.7		NS	
cis-1,2-Dichloroethene	70	1		1.4	NS	1.3	3.0			22.2	19.9	30.5		NS	
Methylene Chloride	5	5			NS					**30.9**	**9.7**	**19.1**		NS	
Tetrachloroethene	5	1			NS					2.5	1.2	2.9		NS	
Tricholoroethene	5	1			NS					**5.5**	1.7	4.0		NS	
Trichlorofluoromethane	-	1			NS					2.5				NS	
Vinyl Chloride	2	1		**18.7**	DRY	**2.6**					**2.2**			NS	
September 23 & 24, 2020															
Benzene	5	1		4.7	1.6	1.1				1.9	2.1	2.1		NS	NS
1,2-Dichlorobenzene	-	1				1.3								NS	NS
1,1-Dichloroethane	-	1		5.2	2.1	3.8	1.6			14.8	6.4	11.7		NS	NS
1,1-Dichloroethene	5	1								3.1		1.3		NS	NS
cis-1,2-Dichloroethene	70	1			15.8		2.5			21.0	18.9	28.1		NS	NS
Methylene Chloride	5	5								**31.7**	**7.5**	**16.4**		NS	NS
Tetrachloroethene	5	1								2.2		2.3		NS	NS
Toluene	100	1		1.3										NS	NS
Tricholoroethene	5	1			1.3					**5.0**	1.4	3.4		NS	NS
Trichlorofluoromethane	-	1								2.3				NS	NS
Vinyl Chloride	2	1		**15.4**	**6.6**	**2.2**					**2.5**			NS	NS
March 19 & 20, 2021															
Benzene	5	1		4.1	2.2	1.1		2.4		2.1	2.2	2.1		NS	NS
1,2-Dichlorobenzene	-	1				1.2								NS	NS
1,1-Dichloroethane		1		4.5	2.9	4.6	1.3			17	6.7	12.5		NS	NS
1,1-Dichloroethene	5	1								3.1		1.4		NS	NS
cis-1,2-Dichloroethene	70	1			29.4		2.0	2.5		23.0	18.5	27.6		NS	NS
Methylene Chloride	5	5								**37.7**	**7.4**	**18.3**		NS	NS
Tetrachloroethene	5	1								2.5		2.3		NS	NS
Toluene	100	1		1.5										NS	NS
Tricholoroethene	5	1			1.0					**5.5**	1.4	3.1		NS	NS
Trichlorofluoromethane	-	1								2.3				NS	NS
Vinyl Chloride	2	1		**13.1**	**10.7**	**2.7**					**2.7**			NS	NS
September 29, 2021															
Benzene	5	1		5.1	2.7	1.4				2.4	2.3	2.9		NS	NS
Chlorobenzene	100	1		7.7	2.0	7.1				1.0	3.8	1.3		NS	NS
Chloroethane	-	1				1.0								NS	NS
1,2-Dichlorobenzene	-	1				1.5								NS	NS
1,4-Dichlorobenzene	-	1		25	10	4.1				2.0	9.1	4.0		NS	NS
1,1-Dichloroethane	-	1		5.1	3.0	3.9	1.2			16	5.6	13		NS	NS
1,1-Dichloroethene	5	1								2.8		1.6		NS	NS
cis-1,2-Dichloroethene	70	1			30		1.7			21	14	32		NS	NS
Methylene Chloride	5	5								**32**		**19**		NS	NS
Tetrachloroethene	5	1								2.6		3.1		NS	NS
Toluene	100	1		2.7										NS	NS
Tricholoroethene	5	1								**5.7**	1.2	4.1		NS	NS
Trichlorofluoromethane	-	1								2.2		1.1		NS	NS
Vinyl Chloride	2	1		**18**	**14**	**2.8**					**3.2**			NS	NS
Xylenes	10,000	1		1.3						2.1		1.2		NS	NS
1,2-Dibromo-3-choloropropane	0.2	0.02				0.17		0.022		0.027		0.023		NS	NS

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
J = Estimated Value
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS -TMW- 12 and TMW-13 were not sampled due to the well was dry or there was an insufficient volume of water
TMW -11 was located after the March 2019 sampling event.

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
March 29 & 30, 2022															
Benzene	5	1		3.9	1.5			3.0		2.2	1.6	2.3		NS	NS
Chlorobenzene	100	1		7.5	1.6	4.9		6.2		1.1	3.5	1.3		NS	NS
Chloroethane	-	1						2.3						NS	NS
1,2-Dichlorobenzene	-	1				1.2								NS	NS
1,4-Dichlorobenzene	-	1		24.2	9.9	3.7		3.7		2.3	8.6	4.1		NS	NS
1,1-Dichloroethane	-	1		4.4	2.0	3.5	2.0			14.8	4.4	11.9		NS	NS
1,1-Dichloroethene	5	1								2.8		1.5		NS	NS
cis-1,2-Dichloroethene	70	1			14.3		3.0	3.9		24.5	12.0	30.8		NS	NS
Methylene Chloride	5	5								**32.8**		**13.7**		NS	NS
Tetrachloroethene	5	1								2.5		2.6		NS	NS
Toluene	100	1		2.1										NS	NS
Tricholoroethene	5	1								**5.5**		3.9		NS	NS
Trichlorofluoromethane	-	1								2.3		1.1		NS	NS
Vinyl Chloride	2	1		**14.5**	**11.0**	**2.4**					**2.4**			NS	NS
December 26, 2022															
Benzene	5	1		4.0	2.5			2.2		2.4	1.7	2.3		NS	NS
Chlorobenzene	100	1		7.5	1.0	3.1		4.3		1.4	3.7	1.4		NS	NS
Chloroethane	-	1						1.7						NS	NS
1,4-Dichlorobenzene	-	1		21.4	6.0	2.9		2.2		2.7	9.4	4.0		NS	NS
1,1-Dichloroethane	-	1		4.8	4.0	2.9	2.2			15.8	4.4	10.3		NS	NS
1,1-Dichloroethene	5	1								2.7		1.1		NS	NS
cis-1,2-Dichloroethene	70	1			19.7		3.6	2.8		24.9	11.7	28.6		NS	NS
Methylene Chloride	5	5								**33.7**		**13.8**		NS	NS
Tetrachloroethene	5	1								2.5		2.1		NS	NS
Toluene	100	1		3.5										NS	NS
Tricholoroethene	5	1			1.0					**5.8**		3.3		NS	NS
Trichlorofluoromethane	-	1								2.0				NS	NS
Vinyl Chloride	2	1		**14.9**	**14.4**	1.6				1.2	**2.7**			NS	NS
March 20, 2023															
Benzene	5	1		4.7	2.5					2.7	2.0	2.1		NS	NS
Chlorobenzene	100	1		8.5							4.5			NS	NS
Chloroethane	-	1			1.2			1.2						NS	NS
1,4-Dichlorobenzene	-	1		23.4							10.1			NS	NS
1,1-Dichloroethane	-	1		5	2.2	5.2	2.7			17.6	4.9	11.8		NS	NS
1,1-Dichloroethene	5	1								3		1.3		NS	NS
cis-1,2-Dichloroethene	70	1			15.2	1.7	4.3			27.6	13.5	29.3		NS	NS
Methylene Chloride	5	5								**38.7**		**15**		NS	NS
Tetrachloroethene	5	1								2.2		2.2		NS	NS
Toluene	100	1		3.8										NS	NS
Tricholoroethene	5	1								**5.7**		2.4		NS	NS
Trichlorofluoromethane	-	1								2.1				NS	NS
Vinyl Chloride	2	1		**17**	**14.4**	**3.7**				1.4	**3.5**			NS	NS
September 21, 2023															
Benzene	5	1		4.6	2.6	1.2				2.7	1.8	2.4		NS	NS
Chlorobenzene	100	1		7.6		2.3				1.4	3.9	1.6		NS	NS
1,4-Dichlorobenzene	-	1		20.1	5.2	2.9				2.7	9	3.8		NS	NS
1,1-Dichloroethane	-	1		4.8	3.6	5	2.0			17.9	4.7	11.3		NS	NS
1,1-Dichloroethene	5	1								3		1.4		NS	NS
cis-1,2-Dichloroethene	70	1			13.4		3.6			30.3	11.8	32.1		NS	NS
Methylene Chloride	5	5								**46.4**		**17.1**		NS	NS
Tetrachloroethene	5	1								2.5		2		NS	NS
Toluene	100	1		3.3										NS	NS
Tricholoroethene	5	1								**6.0**		3.2		NS	NS
Trichlorofluoromethane	-	1								2.1				NS	NS
Vinyl Chloride	2	1		**14.1**	**14.4**	**3.1**				1.1	**2.8**			NS	NS
March 25 & 26, 2024															
Benzene	5	1		4.8	3.0			1.6		2.5	1.7	2.4		NS	NS
Chlorobenzene	100	1		7.5							4.2	1.5		NS	NS
Chloroethane	-	1						2.2						NS	NS
1,4-Dichlorobenzene	-	1		21							9.3	3.6		NS	NS
1,1-Dichloroethane	-	1		4.1	2.0	5.2	1.7			16.2	4.5	9.7		NS	NS
1,1-Dichloroethene	5	1								2.2				NS	NS
cis-1,2-Dichloroethene	70	1			21	1.8	2.6			33.2	10.8	25.1		NS	NS
Methylene Chloride	5	5								**40.4**		**10**		NS	NS
Tetrachloroethene	5	1								2.0		1.3		NS	NS
Toluene	100	1		1.9										NS	NS
Tricholoroethene	5	1								**5.9**		2.7		NS	NS
Trichlorofluoromethane	-	1								2.0				NS	NS
Vinyl Chloride	2	1		**15.6**	**19.7**	**4.3**					**3.0**			NS	NS
Xylenes (Total)	10,000	1										3.5		NS	NS

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
J = Estimated Value
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS - TMW- 12 and TMW-13 were not sampled due to the well was dry or there was an insufficient volume of water and obstructions within the wells observed during the March 2023 sampling event
TMW -11 was located after the March 2019 sampling event.

TABLE D
VOLATILE ORGANIC COMPOUNDS (VOCs) DETECTED (µg/L)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

Constituent	MCL	pql	MW-1R	MW-2RR	MW-3	MW-4R	MW-5	MW-6	MW-7R	MW-8	TMW-9	TMW-10	TMW-11	TMW-12	TMW-13
September 24 & 25, 2024															
Benzene	5	1		4.3	1.7	1.1				2.8	1.8	2.0		NS	NS
Chlorobenzene	100	1									3.5	1.3		NS	NS
Chloroethane	-	1						1.2						NS	NS
1,4-Dichlorobenzene	-	1									8.2	3.5		NS	NS
1,1-Dichloroethane	-	1		3.5	1.5	5.2	1.4			17.1	3.3	9.0		NS	NS
1,1-Dichloroethene	5	1								2.2				NS	NS
cis-1,2-Dichloroethene	70	1			9.8		2.2			34.4	8.7	25.4		NS	NS
Methylene Chloride	5	5								**45.2**		**13.7**		NS	NS
Tetrachloroethene	5	1								2.4				NS	NS
Toluene	100	1		2.3										NS	NS
Tricholoroethene	5	1								**6.0**		2.4		NS	NS
Trichlorofluoromethane	-	1								1.5				NS	NS
Vinyl Chloride	2	1		**11.8**	**8.8**	**3.6**					**3.0**			NS	NS
March 24, 2025															
Benzene	5	1		4.7		1.1		2.3		2.4	1.7	2.1		NS	NS
Chloroethane	-	1		1.4		1.3		2.1						NS	NS
1,4-Dichlorobenzene	-	1		24.3						2.0				NS	NS
1,1-Dichloroethane	-	1		4.1	1.3	5.1	1.6			14.3	4.3	9.3		NS	NS
1,1-Dichloroethene	5	1								1.7				NS	NS
cis-1,2-Dichloroethene	70	1			3.4		2.4			33.7	10.9	25.6		NS	NS
Methylene Chloride	5	5								**41.5**		**12.1**		NS	NS
Tetrachloroethene	5	1								2.4		1.7		NS	NS
Toluene	100	1		1.8										NS	NS
Tricholoroethene	5	1								**5.1**		3.2		NS	NS
Trichlorofluoromethane	-	1								1.4				NS	NS
Vinyl Chloride	2	1		**14.5**	**6.1**	**4.4**					**3.7**			NS	NS

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = practical quantitation limit
J = Estimated Value
Shaded concentrations exceed their MCL for drinking water limit at the time of sampling.
NS - TMW- 12 and TMW-13 were not sampled due to obstructions observed in both wells

and 2.0 µg/L, respectively. The pql for Benzene is 1 µg/L and the MCL is 5 µg/L.

- Chlorobenzene was detected in the groundwater samples collected from TMW-9 and TMW-10 at concentrations of 3.5 µg/L and 1.3 µg/L. The pql for Chlorobenzene is 1 µg/L and the MCL is 100 µg/L;
- Chloroethane was detected in the groundwater sample collected from MW-6 at a concentration of 1.2 µg/L. The pql for Chloroethane is 1 µg/L;
- 1,4-Dichlorobenzene was detected in the groundwater samples collected from MW-9 and TMW-10 at concentrations of 8.2 µg/L and 3.5 µg/L. The pql for 1,4-Dichlorobenzene is 1 µg/L;
- 1,1-Dichloroethane was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R, MW-5, MW-8, TMW-9, and TMW-10 at concentrations of 3.5 µg/L, 1.5 µg/L, 5.2 µg/L, 1.4 µg/L, 17.1 µg/L, 3.3 µg/L, and 9.0 µg/L, respectively. The pql for 1,1-Dichloroethane is 1 µg/L;
- 1,1-Dichloroethene was detected in the groundwater sample collected from MW-8 at a concentration of 2.2 µg/L. The MCL for 1,1-Dichloroethene is 5 µg/L and the pql is 1 µg/L;
- Cis-1,2-Dichloroethene was detected at concentrations of 9.8 µg/L, 2.2 µg/L, 34.4 µg/L, 8.7 µg/L, and 25.4 µg/L, in the groundwater samples collected from MW-3, MW-5, MW-8, TMW-9, and TMW-10, respectively. The MCL for cis-1,2-Dichloroethene is 70 µg/L and the pql is 1 µg/L;
- Methylene Chloride was detected in groundwater samples from MW-8 and TMW-10 at concentrations of **45.2 µg/L** and **13.7 µg/L**, respectively. The pql and the MCL for Methylene Chloride is 5 µg/L;
- Tetrachloroethene was detected in the groundwater samples collected from MW-8 at a concentration of 2.4 µg/L respectively. The pql for Tetrachloroethene is 1 µg/L and the MCL is 5 µg/L;

- Toluene was detected in the groundwater sample collected from MW-2RR at a concentration of 2.3 µg/L. The pql for Toluene is 1 µg/L and the MCL is 100 µg/L;
- Trichloroethene was detected in the groundwater sample collected from MW-8 and TMW-10 at concentrations of **6.0 µg/L** and 2.4 µg/L, respectively. The pql for Trichloroethene is 1 µg/L and the MCL is 5 µg/L;
- Trichlorofluoromethane was detected in the groundwater sample collected from MW-8 at a concentrations of 1.5 µg/L. The pql for Trichlorofluoromethane is 1 µg/L; and
- Vinyl Chloride was detected in the groundwater sample collected from MW-2RR, MW-3, MW-4R, MW-8 and TMW-9 at concentrations of **11.8 µg/L**, **8.8 µg/L, 3.6 µg/L,** and **3.0 µg/L**, respectively. The pql for Vinyl Chloride is 1 µg/L and the MCL is 2 µg/L.

March 24, 2025 Semiannual Sampling Event:

Twelve (12) VOCs were detected in excess of their pqls and Methylene Chloride, Trichloroethene, and Vinyl Chloride were detected in excess of their MCLs during March 24, 2025 semiannual sampling event (Table D).

- Benzene was detected in the groundwater samples collected from MW-2RR, MW-4, MW-6, MW-8, TMW-9, and TMW-10, at concentrations of 4.7 µg/L, 1.1 µg/L, 2.3 µg/L, 2.4 µg/L, 1.7 µg/L and 2.1 µg/L, respectively. The pql for Benzene is 1 µg/L and the MCL is 5 µg/L;
- Chloroethane was detected at a concentration of 1.4 µg/L, 1.3 µg/L and 2.1 µg/L in the groundwater sample collected from MW-2RR, MW-4R, and MW-6. The pql for Chloroethane is 1 µg/L;
- 1,4-Dichlorobenzene was detected in the groundwater samples collected from MW-2RR and MW-8 at concentrations of 24.3 µg/L and 2.0 µg/L, respectively. The pql for 1,4-Dichlorobenzene is 1 µg/L;

- 1,1-Dichloroethane was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R, MW-5, MW-8, TMW-9, and TMW-10 at concentrations of 4.1 µg/L, 1.3 µg/L, 5.1 µg/L, 1.6 µg/L, 14.3 µg/L,4.3 µg/L and 9.3 µg/L, respectively. The pql for 1,1-Dichloroethane is 1 µg/L;
- 1,1-Dichloroethene was detected in the groundwater sample collected from MW-8 at a concentration of 1.7 µg/L. The MCL for 1,1-Dichloroethene is 5 µg/L and the pql is 1 µg/L;
- Cis-1,2-Dichloroethene was detected at concentrations of 3.4 µg/L, 2.4 µg/L, 33.7 µg/L, 10.9 µg/L, and 25.6 µg/L in the groundwater samples from MW-3, MW-5, MW-8, TMW-9, and TMW-10, respectively. The MCL for cis-1,2-Dichloroethene is 70 µg/L and the pql is 1 µg/L;
- Methylene Chloride was detected in groundwater samples from MW-8 and TMW-10 at concentrations of **41.5 µg/L** and **12.1 µg/L**, respectively. The pql and the MCL for Methylene Chloride is 5 µg/L;
- Tetrachloroethene was detected in the groundwater samples collected from MW-8 and TMW-10 at concentrations of 2.4 µg/L and 1.7 µg/L, respectively. The pql for Tetrachloroethene is 1 µg/L and the MCL is 5 µg/L;
- Toluene was detected in the groundwater sample collected from MW-2RR at a concentration of 1.8 µg/L. The pql for Toluene is 1 µg/L and the MCL is 100 µg/L;
- Trichloroethene was detected in the groundwater sample collected from MW-8 and TMW-10 at concentrations of **5.1 µg/L** and 3.2 µg/L, respectively. The pql for Trichloroethene is 1 µg/L and the MCL is 5 µg/L;
- Trichlorofluoromethane was detected in the groundwater sample collected from MW-8 at a concentration of 1.4 µg/L. The pql for Trichlorofluoromethane is 1 µg/L; and

- Vinyl Chloride was detected in the groundwater samples collected from MW-2RR, MW-3, MW-4R, and TMW-9 at concentrations of **14.5 µg/L**, **6.1 µg/L, 4.4 µg/L,** and **3.7 µg/L**, respectively. The pql for Vinyl Chloride is 1 µg/L and the MCL is 2 µg/L; and

4.2 Surface Water - Cannons Creek

Surface water samples were collected from Cannons Creek downstream from the Newberry County Landfill and analyzed for the constituents listed in Appendix IV of the SCDES *R.61-107-19.* One (1) constituent, Barium, was detected during the September 24 & 25, 2024 sampling event, and two (2) constituents, Barium, and Zinc, were detected in the surface water sample collected during the March 24, 2025 semiannual sampling event. Barium was detected at a concentration of 60.6 µg/L during the September 24 & 25, 2024 sampling event, and at a concentration of 52.6 µg/L during the March 24, 2025 sampling event. The pql for Barium is 5 µg/L and the MCL for Barium is 2,000 µg/L. Zinc was detected at a concentration of 19.7 µg/L during the March 24, 2025 sampling event. The pql for Zinc is 10 µg/L and the MCL is 5,000 µg/L. No constituents were detected in excess of their MCLs during these sampling events. The results for the surface water samples collected at the Newberry County Landfill are listed on Table E.

TABLE E
CONSTITUENTS DETECTED (µg/L)
CANNONS CREEK
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

			June 24, 2007	December 31, 2007	April 4, 2008	March 13, 2009
Constituent	**MCL**	**pql**				
cis-1,2-Dichloroethene	70	<1.0				2.57J
			December 3, 2009	**June 22, 2010**	**December 1, 2010**	**February 6, 2012**
Barium	2,000	25			248	
			August 30, 2012	**February 21, 2013**	**August 29, 2013**	**February 4, 2014**
1,1-Dichloroethane	-	<1.0				1.5
Acetone	50	5		2.23J		
Barium	2,000	25		52	60	297
cis-1,2-Dichloroethene	70	<1.0		0.233J		2.8
			November 4, 2014	**February 4, 2015**	**July 28, 2015**	**February 12, 2016**
Barium	2,000	25	56	46	74	58
			August 17, 2016	**March 24, 2017**	**November 6, 2017**	**March 19, 2018**
Barium	2,000	25	65	47	83	52
			September 21, 2018	**March 8, 2019**	**September 26, 2019**	**March 19, 2020**
Barium	2,000	25/5*	79	51	86.4	60.1
			September 23 & 24, 2020	**March 19 & 20, 2021**	**September 29, 2021**	**March 29 & 30, 2022**
Barium	2,000	25/5*	65.3	49.1	65.0	49.4
			December 26, 2022	**March 20, 2023**	**September 21, 2023**	**March 25 & 26, 2024**
Barium	2,000	5	42.7	46.8	52.7	51.6
			September 24 & 25, 2024	**March 24, 2025**		
Barium	2,000	5	60.5	52.6		
Zinc	5,000	10		19.7		

Notes:
µg/L = micrograms per liter
MCL = Maximum Contaminant Level
pql = Practical Quantitation Limit
J = Estimated Value
Bolded concentrations exceed their MCL for drinking water limit at the time of sampling.

Concentrations that are not shown do not exceed their pql at the time of sampling.
* Barium pql = 25 µg/L for alaysis conducted by Shealy Environmental Services, LLC, September 21, 2018, March 19 & 20, 2021, and September 29, 2021 sampling events

5.0 STATISTICAL ANALYSIS

A statistical analysis was conducted to determine if the inorganic data indicated a "statistically significant increase over background" in accordance with SCDES *R.61-107.19*. Samples collected from the upgradient monitoring well (MW-1R), and the ten (10) detection monitoring wells (MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11) during the March 24, 2025 semiannual sampling event were evaluated in the statistical analysis. TMW-12 and TMW-13 were reported as unable to be sampled during the sampling event, therefore these wells were not used in the statistical analysis.

5.1 Model

The *ChemPoint v. 4.4* and *ChemStat v. 6.3* computer programs, developed and distributed by Starpoint Software, were used for statistically evaluating the inorganic groundwater chemistry data. The United States Environmental Protection Agency (EPA) requires that a minimum of four (4) independent sampling events be used to establish an adequate statistical background for all constituents detected. A total of 28 sampling events from the June 22, 2010 sampling event through the March 24, 2025 semiannual sampling event were used to establish the necessary background data for the statistical analysis.

5.2 Constituents Tested

Monitoring wells MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11 were used as the downgradient, compliance wells, and monitoring well MW-1R was used as the upgradient, background well. The statistical analysis was conducted using the concentrations of the inorganic constituents, Barium, Cobalt, and Zinc, which were detected in excess of their pqls in one or more of the ten (10) detection monitoring wells (MW-2RR, MW-3, MW-4R, MW-5, MW-6, MW-7R, MW-8, TMW-9, TMW-10, and TMW-11) that could be sampled during the March 24, 2025 semiannual sampling event. Since no other inorganic constituents were detected in excess of their pqls in the detection monitoring wells, they were not used in the statistical analysis. In addition, statistical analyses of the pH and the Specific Conductance were conducted.

5.3 Approach

The first step in the statistical analysis is to determine if the data follows a normal distribution compared to the historical data of previous monitoring events for the given monitoring well. The Skewness Coefficient (SC) method was used to determine the normality of the groundwater monitoring data. If the SC was calculated to be approximately zero (less than +1 and greater than -1), the data followed a normal distribution; however, if the SC was greater than +1 or less than -1, the data followed an asymmetric distribution. If the SC followed an asymmetric distribution, the data was transformed using the Natural Log Method and was retested to determine the distribution of the transformed data. If the results of the SC statistical analyses using the Natural Log Method indicated that the original data and transformed data followed an asymmetric distribution, the Wilcoxon Rank-Sum Comparison Test was performed to determine which wells indicated a "statistically significant increase over background" by comparing the well's historical constituent and/or indicator parameter levels to the background established by the upgradient monitoring well. In the event that the Wilcoxon Rank-Sum Test indicated a normal distribution, there is no evidence of "statistically significant increase over background." If the Wilcoxon Rank-Sum Test returns as asymmetrical distribution, there is statistical evidence of potential increase over background for that constituent.

5.4 Results

The results of the SC statistical analysis indicated that the data and log transformed data had an asymmetric distribution for:

- Barium, Cadmium, and Cobalt in MW-1R (upgradient well);
- Cadmium in MW-3;
- Barium, Cadmium, and Zinc in MW-4R;
- Cadmium, Cobalt, and Zinc in MW-5;
- Cadmium in MW-6;
- Cobalt and Zinc in MW-7R;
- Cadmium, Cobalt and Zinc in MW-8;
- Barium, Cadmium, and Cobalt in TMW-9;

- Cadmium, Cobalt, and Zinc in MW-10; and
- Cadmium, Cobalt, pH, and Specific Conductance in TMW-11.

Therefore, the Wilcoxon Rank-Sum Comparison Test was performed for these constituents in these detection-monitoring wells to determine if the statistical analysis indicated a "statistically significant increase over background" when compared with the upgradient monitoring well, MW-1R. The Wilcoxon Rank-Sum Comparison Test statistical analysis was not performed for the constituents detected in MW-1R since it is the upgradient monitoring well and was utilized as the basis for comparison for the remaining wells.

The results of the Wilcoxon Rank-Sum Comparison Test indicated a "statistically significant increases over background" for Barium in MW-4R and TMW-9, respectively. The results of the statistical analysis (*ChemStat v. 6.3* output) are included in Appendix B, and are summarized in Table F.

TABLE F
STATISTICAL ANALYSIS RESULTS
March 24, 2025
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

	MW-1R*		MW-2RR		MW-3		MW-4R		MW-5		MW-6		MW-7R		MW-8		TMW-9		TMW-10		TMW-11	
Constituent	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**	**S**	**W**
Barium	**A**	NC	N	NC	N	NC	**A**	**YES**	N	NC	N	NC	N	NC	N	NC	**A**	**YES**	N	NC	N	NC
Cadmium	**A**	NC	N	NC	**A**	NO	**A**	NO	**A**	NO	**A**	NO	N	NC	**A**	NO	**A**	NO	**A**	NO	**A**	NO
Cobalt	**A**	NC	N	NC	N	NC	N	NC	**A**	NO	N	NC	**A**	NO	**A**	NO	**A**	NO	**A**	NO	**A**	NO
Zinc	**A**	NC	N	NC	N	NC	**A**	NO	**A**	NO	N	NC	**A**	NO	**A**	NO	N	NC	**A**	NO	N	NC
pH	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	**A**	NO
Specific Conductance	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	N	NC	**A**	NO

Notes:
S = Skewness Coefficient Test in ChemStat v. 6.3
W = Wilcoxon Rank-Sum Comparison Test in ChemStat v. 6.3
N = No statistically significant evidence of asymmetry (skewness >-1 and <+1) in either natural or log transformed.
A = Statistically significant evidence of asymmetry (skewness <-1 or >+1).
NO = No "statistically significant increase over background" found in the detention well when compared to the upgradient well.
NC = Not calculated because it is either the upgradient well or there was no statistically significant evidence of
YES = "Statistically significant increase over background" found in the detection well when compared to the upgradient well.

6.0 METHANE MONITORING

The methods that have been implemented to manage methane gas at the Newberry County Class Three MSW Landfill are described in Section 1.3 of this report. The current methane management systems in use include passive gas vents and the Soil Gas Extraction System. Methane monitoring is conducted on a quarterly basis to evaluate the effectiveness of those methane management methods. Alliance Consulting Engineers, Inc. conducted the most recent quarterly methane monitoring event on March 19, 2025. During the monitoring event, methane gas measurements were made in each of the eleven (11) gas monitoring probes (GMPs) (GMP-1S, GMP-1D, GMP-3S, GMP-3D, GMP-4S, GMP-5S, GMP-5D, GMP-6S, GMP-6D, GMP-7S, and GMP-7D). The results of the methane monitoring events conducted since March 2007 at the Newberry County Class Three MSW Landfill are provided in Table G.

The Lower Explosive Level (LEL) for methane is five percent (5%) methane by volume. The results summarized in Table G indicate that prior to July 2015, methane was consistently detected at levels exceeding the LEL in GMP-3S, GMP-3D, GMP-4S, GMP-5S, GMP-5D, GMP-6S and GMP-6D. Since the installation of the Soil Gas Extraction System during May 2015, a reduction in the detection of methane has been observed at the landfill. By the July 2017 monitoring event, none of the gas monitoring probes were found to have any methane present. Since that time, however, there have been several periods of time when the Soil Gas Extraction System experienced maintenance or equipment problems and occasionally has been out of operation. After being down for an extended period of time prior to the September 2018 monitoring event, repairs were made to the Soil Gas Extraction System and, as of November 2018, the system was again in operation, which resulted in the methane levels dropping again. The system was also down due to storm-related damage to the electrical system during part of 2019, but was returned to operation during October 2019 and was operating at the time of the November 1, 2019 methane monitoring event which registered 0.0% methane by volume in each of the eleven (11) GMPs.

The Soil Gas Extraction System was noted to be rendered inoperable by lightning and was not running at the time of the July 8, 2020 and October 15, 2020 methane monitoring events. During these methane monitoring events an increase in the detection of methane occurred in GMP-3S, GMP-3D, GMP-4S, GMP-5S, GMP-5D, GMP-6S,

TABLE G
METHANE GAS DETECTION
(% Methane By Volume)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

GMP No.	Mar-07	Aug-07	Sep-07	Dec-07	Mar-09	Dec-09	Jun-10	Feb-10	Feb-12	Jun-12	Jul-12	Aug-12
GMP-1S	0	-	-	-	-	-	0.1	0	-	-	0	0
GMP-1D	0	-	-	-	-	-	0	0	-	-	0	0
GMP-3S	0	2.4	**19.3**	4.8	0.1	-	**8.9**	0.1	-	**9.6**	-	1.5
GMP-3D	0	3.2	**23.3**	**5.5**	0.1	-	**9.3**	0.1	-	**8.8**	-	1.8
GMP-4S	0.5	**60.4**	**36.1**	**25.8**	**60.5**	-	**36.7**	**38.3**	**60.2**	-	-	**55.2**
GMP-5S	2.8	4.2	0.7	0.5	4	-	0.1	0.1	0.1	**32.9**	-	**47.7**
GMP-5D	-	-	-	-	**18.8**	-	**11.5**	0.1	0.1	0.6	-	1.2
GMP-6S	0.5	**43.3**	**44.3**	**21.2**	0	0.1	**52.5**	**16.8**	**49.2**	-	-	0
GMP-6D	-	-	-	-	0	-	**30.7**	0.1	**22.6**	-	-	0
GMP-7S	0	0	0	0	0.1	-	**21.4**	0	-	-	0.1	0
GMP-7D	-	-	-	-	0	-	**10.2**	1.5	-	-	0.1	0
CLUB HOUSE	0	0	0	0	0	0	0	0	0	-	-	0
SHED	0	0	0	0	0	-	0.1	0	-	-	0.1	0

GMP No.	Feb-13	Aug-13	Feb-14	May-14	Nov-14	Feb-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
GMP-1S	0	0.3	-	-	0	0.1	0	-	-	-	-	-
GMP-1D	0	0.2	-	-	0	0.1	0	-	-	-	-	-
GMP-3S	0	**52.6**	-	**30.7**	**15**	**8**	0.03	0	0	0	0	0
GMP-3D	0	**52.8**	-	**28.5**	**6.5**	**6.5**	0	0	0	0	0	0
GMP-4S	**61.3**	**60.1**	-	**59**	**39**	**37**	0.01	0	0	-	0	0
GMP-5S	**43.3**	**58.1**	-	**57.2**	**34**	**27**	0	0	0	0	0	0
GMP-5D	2.8	**32.4**	-	**19.1**	**5.6**	2.5	0	0	0	0	0	0
GMP-6S	**34.3**	**57**	-	**47.1**	**34**	**27**	**14**	**38.4**	**48.4**	**38**	**34.4**	0
GMP-6D	0	**49.3**	-	**41.8**	**22**	**18**	**17**	**46.3**	**54.2**	**45**	**15.4**	0
GMP-7S	0	0.2	-	0.1	0.03	0	0	-	-	-	-	-
GMP-7D	0	0.2	-	**16.3**	0.7	0.08	0	-	-	-	-	-
CLUB HOUSE	0	0.4	-	0.1	0.01	0	0	-	-	-	-	-
SHED	0	0.2	-	0.1	0.01	0	0	-	-	-	-	-

GMP No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Apr-17	Jul-17	Oct-17
GMP-1S	-	0	-	-	-	-	-	0	-	0	0	0
GMP-1D	-	0	-	-	-	-	-	0	-	0	0	0
GMP-3S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-3D	0	0	0	0	0	0	0	0	0	0	0	0
GMP-4S	0	0	0	0	0	0	0	0	0	**24**	0	**16**
GMP-5S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-5D	0	0	0	0	0	0	0	0	0	0	0	0
GMP-6S	**45.2**	**42.1**	**45.5**	**42.7**	**51.1**	**53.3**	**50**	**45.7**	**55**	0	0	**20**
GMP-6D	**22.3**	**14.7**	**17.7**	**18.5**	**31.7**	**36.7**	**51.3**	**49**	**52**	0	0	**8**
GMP-7S	0	-	-	-	-	-	-	0	-	0	0	0
GMP-7D	0	-	-	-	-	-	-	0.65	-	0	0	0
CLUB HOUSE	-	0	-	-	-	-	-	0	-	-	0.001	-
SHED	-	0	-	-	-	-	-	0	-	-	0	-

GMP No.	Feb-18	Apr-18	Jun-18	Sep-18	Feb-19	Aug-19	Nov-19	Dec-19	Jan-20	Apr-20	Jul-20	Oct-20
GMP-1S	0	0	0	0	0	-	0	0	0	0	0	0
GMP-1D	0	0	0	0	0	-	0	0	0	0	0	0
GMP-3S	0	0	0	**10**	0	-	0	0	0	0	**22**	**24**
GMP-3D	0	0	0	**15**	0	-	0	0	0	0	**9**	**31**
GMP-4S	0	**22**	**20**	**12**	0	**42**	0	0	0	0	**25**	**52**
GMP-5S	0	0	0	**10**	0	0	0	0	0	0	0	**30**
GMP-5D	0	0	0	0	0	0	0	0	0	0	0	**6**
GMP-6S	0	0	**0**	**22**	0	0	0	0	0	0	**33**	**34**
GMP-6D	0	0	**27**	**21**	0	3	0	0	**7**	0	0	**37**
GMP-7S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-7D	0	0	0	0	0	0	0	3	0	0	**18**	**21**
CLUB HOUSE	-	-	-	-	0	-	-	-	-	-	-	-
SHED	-	-	-	-	0	-	-	-	-	-	-	-

GMP No.	Apr-21	Jul-21	Sep-21	Dec-21	Mar-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24
GMP-1S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-1D	0	0	0	0	0	0	0	0	0	0	0	0
GMP-3S	0	0	0	0	0	**7**	**20**	4	3	0	**0**	0
GMP-3D	0	0	0	0	0	0	**15**	0	0	0	4	0
GMP-4S	**31**	0	0	0	0	**25**	**52**	0	**17**	0	**47**	0
GMP-5S	**28**	2	0	0	0	0	3	0	0	0	**22**	0
GMP-5D	1	3	0	0	0	0	4	0	0	0	4	0
GMP-6S	**35**	0	0	0	0	**16**	**29**	0	0	0	**10**	0
GMP-6D	**5**	0	0	0	0	0	0	0	0	0	0	0
GMP-7S	0	0	0	0	0	0	0	0	0	0	0	0
GMP-7D	0	0	0	0	0	0	0	0	0	0	**0**	0
CLUB HOUSE	-	-	-	-	-	-						
SHED	-	-	-	-	-	-						

S = shallow well
D = deep well
Shaded concentrations exceed LEL
LEL = lower explosive limit (5.00% Methane by volume)

TABLE G
METHANE GAS DETECTION
(% Methane By Volume)
NEWBERRY COUNTY CLASS THREE MSW LANDFILL

GMP No.	Nov-24	Dec-24	Mar-25									
GMP-1S	0	0	0									
GMP-1D	0	0	0									
GMP-3S	0	0	0									
GMP-3D	0	0	0									
GMP-4S	N/A	N/A	0									
GMP-5S	0	0	0									
GMP-5D	0	0	0									
GMP-6S	0	0	0									
GMP-6D	0	0	0									
GMP-7S	0	0	0									
GMP-7D	0	0	0									
CLUB HOUSE	-	-	-	-	-	-	-	-	-	-	-	-
SHED	-	-	-	-	-	-	-	-	-	-	-	-

S = shallow well
D = deep well
Shaded concentrations exceed LEL
LEL = lower explosive limit (5.00% Methane by volume)
N/A - GMP-4S was unable to be located most likely from Hurrican damage

GMP-6D, and GMP-7D. Without the gas being gathered by the gas collection system, it builds up in various locations around the closed landfill areas, resulting in the methane readings observed at the GMPs. During the fourth quarterly methane monitoring event for 2021 on December 29, 2021 the Soil Gas Extraction System was observed to be in service and running. All of the eleven (11) GMPs registered 0% methane by volume.

The March 15, 2022 methane monitoring event had all eleven (11) GMPS register 0% methane by volume. However, since the March 2022 monitoring event sections of the Soil Gas Extraction System have been recorded as not functioning properly and experienced periods when the system was not running to its fullest capability or inoperable. Due to the system not functioning properly, the methane by volume in the eleven (11) GMPs has fluctuated during the 2022 and 2023 quarterly monitoring events. It was noted that during the four (4) 2023 quarterly methane monitoring events the vacuum, breaker, and blower motor were noted as not functioning properly on the Soil Gas Extraction System.

This report includes a review of the four (4) most recent quarterly monitoring events conducted at the Newberry County Landfill on June 28, 2024, November 13, 2024, December 31, 2024 and March 19, 2025. During the fourth 2023 to 2024 quarterly monitoring event conducted on June 28, 2024 the blower motor of the Soils Gas Extraction System was observed to be operational, and no methane was registered in any of the GMPs. No methane was registered above its LEL in the GMPs measured during the first, second and third quarterly monitoring reports for 2024 to 2025. During the November 13, 2024 and December 28, 2024 monitoring events, GMP-4S was unable to be located based on a fallen tree from the September 2024 Hurricane Helene. Methane Monitoring Field Data Sheets for the quarterly monitoring event are provided in Appendix C.

Alliance Consulting Engineers, Inc. recommends that methane monitoring be continued at the Newberry County Class Three MSW Landfill in accordance with the EPA Mandatory GHG Reporting Rule.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Alliance Consulting Engineers, Inc. has prepared the following conclusions and recommendations for the current detection and assessment monitoring program from the analytical data for the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events for the Newberry County Class Three MSW Landfill.

7.1 Conclusions

The conclusions reached based upon the review of the data collected from the eleven (11) groundwater monitoring well samples and the one (1) surface water sample collected during the September 24 & 25, 2024 and March 24, 2025 semiannual sampling events are discussed below:

- Three (3) inorganic constituents (Barium, Cobalt and Zinc) were detected in excess of their respective pqls during the September 24 & 25, 2024 annual sampling event. Barium was detected in excess of its MCL in MW-2RR.
- Four (4) inorganic constituents (Barium, Cadmium, Cobalt, and Zinc) were detected in excess of their respective pqls during the March 24, 2025 semiannual sampling event. Barium was detected in excess of its MCL in MW-2RR.
- Thirteen (13) VOCs (Benzene, Chlorobenzene, Chloroethane, 1,4-Dichlorobenzene, 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, Methylene Chloride, Tetrachloroethene, Toluene, Trichloroethene, Trichlorofluoromethane, and Vinyl Chloride,) were detected in excess of their pqls during the September 24 & 25, 2024 sampling event; Methylene Chloride, Trichloroethene, and Vinyl Chloride were detected in excess of their MCLs.
- Twelve (12) VOCs (Benzene, Chloroethane, 1,4-Dichlorobenzene, 1,1-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, Methylene Chloride, Tetrachloroethene, Toluene, Trichloroethene, Trichlorofluoromethane, and Vinyl Chloride) were detected in excess of their pqls during the March 24, 2025 sampling event; Methylene Chloride,

Trichloroethene, and Vinyl Chloride were detected in excess of their MCLs.

- Barium was detected in excess of its pql during the September 24 & 25, 2024 semiannual sampling event in the downstream surface water sample collected from Cannons Creek.
- Barium and Zinc were detected in excess of their pqls during the March 24, 2025 semiannual sampling event in the downstream surface water sample collected from Cannons Creek.
- The results of the Skewness Coefficient statistical analysis for the March 24, 2025 semiannual sampling events indicated that the original and/or log transformed data followed asymmetric distributions for the inorganic constituents as described in Section 6.0. The results of the Wilcoxon Rank-Sum Comparison Test indicated "statistically significant increase over background" for Barium in the detection-monitoring wells MW-4R and TMW-9.
- Since September 2018, TMW-13 has consistently been bailed dry and not recovered well enough for sample collection. Based on notes from Pace during the March 25 & 26, 2024 sampling event an obstruction was observed approximately 18.25-ft into the well, and unable to be sampled. TMW-13 is the most downgradient monitoring well in the detection-monitoring well network and represents the groundwater quality that potentially discharges into Cannon's Creek. TMW-10 which is north and upgradient of TMW-13, represents the next most downgradient well in regard to the Newberry County Landfill. The groundwater samples collected from TMW-10 have historically detected volatile organic and inorganic constituents in excess of their respective pqls and MCLs. Therefore, collecting groundwater samples downgradient of TMW-10 is necessary to monitor the water quality further downgradient of the landfill.
- Methane was not detected in any of the GMPs during the fourth quarterly methane monitoring event for 2023 to 2024 conducted on June 28, 2024.

- Methane was not detected in any of the GMPs during the first, second, and third quarterly methane monitoring events for 2024 to 2025 conducted on November 13, 2024, December 28, 2024, and March 19, 2025.

7.2 Recommendations

No changes are recommended in the current detection monitoring program for the Newberry County Class Three Municipal Solid Waste Landfill.

SCDES provided comments in a letter dated January 24, 2025 regarding the 2024 Annual Groundwater Monitoring Report which noted the referenced documents were reviewed regarding the requirements of Solid Waste Management Regulations 61-107.19, Part V, Subparts C & E, and the Facility's Solid Waste Permits. Based on this review, the following comments were provided:

1. *It was noted in the report that Newberry County is in the process of creating an official plan to abandon and replace monitoring wells TMW-12 and TMW-13. The plan should be submitted through the SCDES Permitting Portal and uploaded as an attachment while completing BOTH the schedule titled* ***Revised Groundwater Monitoring Plan*** *and the* ***Solid Waste Monitoring Well Application (D-3736)****. Please note these wells should be properly abandoned in accordance with Regulation 61-71 by a SC certified well driller and the Water Well Records (DES 1903 Forms) submitted in ePermitting within 30 days of completion. A scheduled titled* ***TMW-12 & TMW-13 Abandonment Report*** *has been set up for you in ePermitting for submittal of these documents;*
   - **Newberry County is still in the process of determining a plan to abandon and replace these wells.**
2. *The 2024 semiannual groundwater data is similar to historical trends for constituents of concern detected above groundwater protection standards. Therefore, additional assessment will not be required at this time. The Facility should continue monitoring in accordance with the Facility's Permit and most recently approved Groundwater Monitoring Plan; and*

- **Routine Groundwater Monitoring will continue on a semiannual basis in accordance with the Sampling and Analysis Plan dated October 2014.**

3. *As documented in the report, when the landfill gas extraction system is fully operational, a reduction in the detection of methane has been observed at the landfill. During the latest quarterly monitoring event conducted on June 28, 2024 the blower motor of the Soils Gas Extraction System was observed to be operational and no methane was detected in any of the gas monitoring probes. The Department agrees with the recommendation to routinely inspect, maintain, and repair the system so it can continue to effectively mitigate methane levels. Therefore, routine monitoring should continue in accordance with the most recently approved methane monitoring plan..*

   - **Routine Monitoring will continue on a quarterly basis in accordance with the Sampling and Analysis Plan dated October 2014.**

APPENDIX A
REPORT OF LABORATORY ANALYSIS
AND
FIELD DATA SHEETS

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

April 25, 2025

Courtney Brooks
Alliance Consulting Engineers, Inc
1201 Main St
Suite 2020
Columbia, SC 29202

RE: Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Dear Courtney Brooks:

Enclosed are the analytical results for sample(s) received by the laboratory between March 26, 2025 and April 11, 2025. 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
- Pace Analytical Services - Greenwood
- Pace Analytical Services - West Columbia

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

Sincerely,

Eben Buchanan
eben.buchanan@pacelabs.com
(770)734-4200
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

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

Pace Analytical Services Greenwood

405 Sullivan Street, Greenwood, SC 29649
South Carolina Laboratory ID #: 24562001

Pace Analytical Services West Columbia

106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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

SAMPLE ANALYTE COUNT

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92787163001	**MW-1R**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163002	**MW-7R**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163003	**MW-6**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163004	**TMW-11**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163005	**MW-2RR**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163006	**MW-3**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163007	**MW-5**	EPA 8011	SMS1	3	PASI-C
			MAB1	11	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163008	**MW-4R**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163009	**CANNONS CREEK**	EPA 8011	SMS1	3	PASI-C
			MAB1	10	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163010	**TMW-10**	EPA 8011	SMS1	3	PASI-C

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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SAMPLE ANALYTE COUNT

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
			MAB1	11	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163011	**TMW-9**	EPA 8011	SMS1	3	PASI-C
			MAB1	12	PASI-W
		EPA 8260D	SAS	50	PASI-C
		EPA 6020B	BW	15	PASI-WC
92787163012	**TRIP BLANK**	EPA 8260D	SAS	50	PASI-C
92790600001	**MW-8**	EPA 8011	SMS1	3	PASI-C
			EDB	10	PASI-W
		EPA 8260D	LMB	50	PASI-C
		EPA 6020B	BK1	15	PASI-WC

PASI-C = Pace Analytical Services - Charlotte
PASI-W = Pace Analytical Services - Greenwood
PASI-WC = Pace Analytical Services - West Columbia

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92787163001	**MW-1R**					
	Performed by	PACE			03/27/25 12:21	
	Collected By	Trey Jenkins			03/27/25 12:21	
	Collected Date	032425			03/27/25 12:21	
	Collected Time	1049			03/27/25 12:21	
	pH	5.8	Std. Units		03/27/25 12:21	
	Temperature	17	deg C		03/27/25 12:21	
	Static Water Level	34.04	feet		03/27/25 12:21	
	Specific Conductance	84	umhos/cm		03/27/25 12:21	
	Total Well Depth	60.41	feet		03/27/25 12:21	
	Turbidity	5.1	NTU		03/27/25 12:21	
	Odor	none			03/27/25 12:21	
	Appearance	clear			03/27/25 12:21	
EPA 6020B	Barium	144	ug/L	5.0	04/15/25 21:41	
EPA 6020B	Zinc	15.0	ug/L	10.0	04/15/25 21:41	
92787163002	**MW-7R**					
	Performed by	PACE			03/24/25 11:38	
	Collected By	Chris Corbin			03/24/25 11:38	
	Collected Date	032425			03/24/25 11:38	
	Collected Time	1138			03/24/25 11:38	
	pH	6.0	Std. Units		03/24/25 11:38	
	Temperature	17	deg C		03/24/25 11:38	
	Static Water Level	33.40	feet		03/24/25 11:38	
	Specific Conductance	126	umhos/cm		03/24/25 11:38	
	Total Well Depth	60.41	feet		03/24/25 11:38	
	Turbidity	< 1	NTU		03/24/25 11:38	
	Odor	slight			03/24/25 11:38	
	Appearance	clear			03/24/25 11:38	
EPA 6020B	Barium	118	ug/L	5.0	04/15/25 22:10	
EPA 6020B	Cadmium	1.6	ug/L	1.0	04/15/25 22:10	
92787163003	**MW-6**					
	Performed by	PACE			03/24/25 12:17	
	Collected By	Chris Corbin			03/24/25 12:17	
	Collected Date	032425			03/24/25 12:17	
	Collected Time	1217			03/24/25 12:17	
	pH	6.2	Std. Units		03/24/25 12:17	
	Temperature	18	deg C		03/24/25 12:17	
	Static Water Level	22.18	feet		03/24/25 12:17	
	Specific Conductance	610	umhos/cm		03/24/25 12:17	
	Total Well Depth	27.25	feet		03/24/25 12:17	
	Turbidity	8	NTU		03/24/25 12:17	
	Odor	slight			03/24/25 12:17	
	Appearance	clear			03/24/25 12:17	
EPA 8260D	Benzene	2.3	ug/L	1.0	03/28/25 03:35	
EPA 8260D	Chloroethane	2.1	ug/L	1.0	03/28/25 03:35	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92787163003	**MW-6**					
EPA 6020B	Barium	392	ug/L	5.0	04/22/25 10:35	
EPA 6020B	Cobalt	26.0	ug/L	5.0	04/15/25 22:19	
EPA 6020B	Zinc	11.0	ug/L	10.0	04/24/25 11:59	
92787163004	**TMW-11**					
	Performed by	PACE			03/24/25 12:49	
	Collected By	Trey Jenkins			03/24/25 12:49	
	Collected Date	032425			03/24/25 12:49	
	Collected Time	1249			03/24/25 12:49	
	pH	5.2	Std. Units		03/24/25 12:49	
	Temperature	17	deg C		03/24/25 12:49	
	Static Water Level	21.76	feet		03/24/25 12:49	
	Specific Conductance	69	umhos/cm		03/24/25 12:49	
	Total Well Depth	30.76	feet		03/24/25 12:49	
	Turbidity	1.8	NTU		03/24/25 12:49	
	Odor	none			03/24/25 12:49	
	Appearance	clear			03/24/25 12:49	
EPA 6020B	Barium	78.6	ug/L	5.0	04/15/25 22:29	
92787163005	**MW-2RR**					
	Performed by	PACE			03/24/25 13:01	
	Collected By	Chris Corbin			03/24/25 13:01	
	Collected Date	032425			03/24/25 13:01	
	Collected Time	1301			03/24/25 13:01	
	pH	6.5	Std. Units		03/24/25 13:01	
	Temperature	19	deg C		03/24/25 13:01	
	Static Water Level	37.41	feet		03/24/25 13:01	
	Specific Conductance	1698	umhos/cm		03/24/25 13:01	
	Total Well Depth	59.98	feet		03/24/25 13:01	
	Turbidity	8	NTU		03/24/25 13:01	
	Odor	strong			03/24/25 13:01	
	Appearance	clear			03/24/25 13:01	
EPA 8260D	Benzene	4.7	ug/L	1.0	03/28/25 07:32	
EPA 8260D	Chloroethane	1.4	ug/L	1.0	03/28/25 07:32	
EPA 8260D	1,4-Dichlorobenzene	24.3	ug/L	1.0	03/28/25 07:32	
EPA 8260D	1,1-Dichloroethane	4.1	ug/L	1.0	03/28/25 07:32	
EPA 8260D	Toluene	1.8	ug/L	1.0	03/28/25 07:32	
EPA 8260D	Vinyl chloride	14.5	ug/L	1.0	03/28/25 07:32	
EPA 6020B	Barium	2990	ug/L	50.0	04/22/25 10:40	
EPA 6020B	Cadmium	2.7	ug/L	1.0	04/15/25 22:38	
EPA 6020B	Cobalt	12.8	ug/L	5.0	04/15/25 22:38	
EPA 6020B	Zinc	51.0	ug/L	10.0	04/24/25 12:04	
92787163006	**MW-3**					
	Performed by	PACE			03/24/25 13:40	
	Collected By	Chris Corbins			03/24/25 13:40	

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

SUMMARY OF DETECTION

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92787163006	**MW-3**					
	Collected Date	032425			03/24/25 13:40	
	Collected Time	1340			03/24/25 13:40	
	pH	6.4	Std. Units		03/24/25 13:40	
	Temperature	20	deg C		03/24/25 13:40	
	Static Water Level	35.74	feet		03/24/25 13:40	
	Specific Conductance	599	umhos/cm		03/24/25 13:40	
	Total Well Depth	38.78	feet		03/24/25 13:40	
	Turbidity	62	NTU		03/24/25 13:40	
	Odor	slight			03/24/25 13:40	
	Appearance	clear			03/24/25 13:40	
EPA 8260D	1,1-Dichloroethane	1.3	ug/L	1.0	03/28/25 04:11	
EPA 8260D	cis-1,2-Dichloroethene	3.4	ug/L	1.0	03/28/25 04:11	
EPA 8260D	Vinyl chloride	6.1	ug/L	1.0	03/28/25 04:11	
EPA 6020B	Barium	737	ug/L	25.0	04/22/25 10:45	
EPA 6020B	Cobalt	23.4	ug/L	5.0	04/15/25 22:48	
EPA 6020B	Zinc	37.4	ug/L	10.0	04/24/25 12:09	
92787163007	**MW-5**					
	Performed by	PACE			03/24/25 14:03	
	Collected By	Trey Jenkins			03/24/25 14:03	
	Collected Date	032425			03/24/25 14:03	
	Collected Time	1403			03/24/25 14:03	
	pH	5.6	Std. Units		03/24/25 14:03	
	Temperature	17	deg C		03/24/25 14:03	
	Static Water Level	20.71	feet		03/24/25 14:03	
	Specific Conductance	89	umhos/cm		03/24/25 14:03	
	Total Well Depth	33.81	feet		03/24/25 14:03	
	Turbidity	7.3	NTU		03/24/25 14:03	
	Odor	none			03/24/25 14:03	
EPA 8260D	1,1-Dichloroethane	1.6	ug/L	1.0	03/28/25 04:30	
EPA 8260D	cis-1,2-Dichloroethene	2.4	ug/L	1.0	03/28/25 04:30	
EPA 6020B	Barium	92.3	ug/L	5.0	04/15/25 22:57	
92787163008	**MW-4R**					
	Performed by	PACE			03/24/25 14:26	
	Collected By	Chris Corbin			03/24/25 14:26	
	Collected Date	032425			03/24/25 14:26	
	Collected Time	1426			03/24/25 14:26	
	pH	6.8	Std. Units		03/24/25 14:26	
	Temperature	19	deg C		03/24/25 14:26	
	Static Water Level	30.85	feet		03/24/25 14:26	
	Specific Conductance	873	umhos/cm		03/24/25 14:26	
	Total Well Depth	62.47	feet		03/24/25 14:26	
	Turbidity	2	NTU		03/24/25 14:26	
	Odor	slight			03/24/25 14:26	
	Appearance	clear			03/24/25 14:26	
EPA 8260D	Benzene	1.1	ug/L	1.0	03/28/25 08:09	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92787163008	**MW-4R**					
EPA 8260D	Chloroethane	1.3	ug/L	1.0	03/28/25 08:09	
EPA 8260D	1,1-Dichloroethane	5.1	ug/L	1.0	03/28/25 08:09	
EPA 8260D	Vinyl chloride	4.4	ug/L	1.0	03/28/25 08:09	
EPA 6020B	Barium	687	ug/L	25.0	04/22/25 10:50	
EPA 6020B	Cobalt	9.5	ug/L	5.0	04/15/25 23:06	
92787163009	**CANNONS CREEK**					
	Performed by	PACE			03/24/25 14:40	
	Collected By	Trey Jenkins			03/24/25 14:40	
	Collected Date	032425			03/24/25 14:40	
	Collected Time	1440			03/24/25 14:40	
	pH	6.5	Std. Units		03/24/25 14:40	
	Temperature	16	deg C		03/24/25 14:40	
	Specific Conductance	105	umhos/cm		03/24/25 14:40	
	Turbidity	11.5	NTU		03/24/25 14:40	
	Odor	none			03/24/25 14:40	
	Appearance	clear			03/24/25 14:40	
EPA 6020B	Barium	52.6	ug/L	5.0	04/15/25 23:16	
EPA 6020B	Zinc	19.7	ug/L	10.0	04/24/25 12:14	
92787163010	**TMW-10**					
	Performed by	PACE			03/24/25 16:00	
	Collected By	Trey Jenkins			03/24/25 16:00	
	Collected Date	032425			03/24/25 16:00	
	Collected Time	1600			03/24/25 16:00	
	pH	5.7	Std. Units		03/24/25 16:00	
	Temperature	19	deg C		03/24/25 16:00	
	Static Water Level	17.49	feet		03/24/25 16:00	
	Specific Conductance	271	umhos/cm		03/24/25 16:00	
	Total Well Depth	43.88	feet		03/24/25 16:00	
	Turbidity	2.0	NTU		03/24/25 16:00	
	Appearance	clear			03/24/25 16:00	
EPA 8260D	Benzene	2.1	ug/L	1.0	04/02/25 16:40	
EPA 8260D	1,1-Dichloroethane	9.3	ug/L	1.0	04/02/25 16:40	
EPA 8260D	cis-1,2-Dichloroethene	25.6	ug/L	1.0	04/02/25 16:40	
EPA 8260D	Methylene Chloride	12.1	ug/L	5.0	04/02/25 16:40	
EPA 8260D	Tetrachloroethene	1.7	ug/L	1.0	04/02/25 16:40	v1
EPA 8260D	Trichloroethene	3.2	ug/L	1.0	04/02/25 16:40	
EPA 6020B	Barium	263	ug/L	5.0	04/16/25 00:22	
92787163011	**TMW-9**					
	Performed by	PACE			03/24/25 16:57	
	Collected By	Trey Jenkins			03/24/25 16:57	
	Collected Date	032425			03/24/25 16:57	
	Collected Time	1657			03/24/25 16:57	
	pH	5.9	Std. Units		03/24/25 16:57	

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Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92787163011	**TMW-9**					
	Temperature	19	deg C		03/24/25 16:57	
	Static Water Level	46.78	feet		03/24/25 16:57	
	Specific Conductance	708	umhos/cm		03/24/25 16:57	
	Total Well Depth	71.0	feet		03/24/25 16:57	
	Turbidity	1.6	NTU		03/24/25 16:57	
	Odor	slight			03/24/25 16:57	
	Appearance	clear			03/24/25 16:57	
EPA 8260D	Benzene	1.7	ug/L	1.0	03/28/25 07:14	
EPA 8260D	1,1-Dichloroethane	4.3	ug/L	1.0	03/28/25 07:14	
EPA 8260D	cis-1,2-Dichloroethene	10.9	ug/L	1.0	03/28/25 07:14	
EPA 8260D	Vinyl chloride	3.7	ug/L	1.0	03/28/25 07:14	
EPA 6020B	Barium	1120	ug/L	50.0	04/22/25 10:55	
EPA 6020B	Zinc	17.2	ug/L	10.0	04/24/25 12:30	
92790600001	**MW-8**					
	Performed by	PACE			04/21/25 17:10	
	Collected By	C. Corbin			04/21/25 17:10	
	Collected Date	3/25/25			04/21/25 17:10	
	Collected Time	16:45			04/21/25 17:10	
	pH	5.7	Std. Units		04/21/25 17:10	
	Temperature	19	deg C		04/21/25 17:10	
	Static Water Level	33.63	feet		04/21/25 17:10	
	Specific Conductance	232	umhos/cm		04/21/25 17:10	
	Total Well Depth	71.84	feet		04/21/25 17:10	
	Turbidity	12	NTU		04/21/25 17:10	
EPA 8260D	Benzene	2.4	ug/L	1.0	04/14/25 15:06	
EPA 8260D	1,4-Dichlorobenzene	2.0	ug/L	1.0	04/14/25 15:06	
EPA 8260D	1,1-Dichloroethane	14.3	ug/L	1.0	04/14/25 15:06	
EPA 8260D	1,1-Dichloroethene	1.7	ug/L	1.0	04/14/25 15:06	
EPA 8260D	cis-1,2-Dichloroethene	33.7	ug/L	1.0	04/14/25 15:06	
EPA 8260D	Methylene Chloride	41.5	ug/L	5.0	04/14/25 15:06	
EPA 8260D	Tetrachloroethene	2.4	ug/L	1.0	04/14/25 15:06	
EPA 8260D	Trichloroethene	5.1	ug/L	1.0	04/14/25 15:06	
EPA 8260D	Trichlorofluoromethane	1.4	ug/L	1.0	04/14/25 15:06	
EPA 6020B	Barium	275	ug/L	25.0	04/17/25 14:24	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-1R **Lab ID: 92787163001** Collected: 03/24/25 10:49 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 15:58	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 15:58	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	113	%	60-140	1	04/03/25 12:58	04/03/25 15:58	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/27/25 12:21		
Collected By	**Trey Jenkins**			1		03/27/25 12:21		
Collected Date	**032425**			1		03/27/25 12:21		
Collected Time	**1049**			1		03/27/25 12:21		
pH	**5.8**	Std. Units		1		03/27/25 12:21		
Temperature	**17**	deg C		1		03/27/25 12:21		
Static Water Level	**34.04**	feet		1		03/27/25 12:21		
Specific Conductance	**84**	umhos/cm		1		03/27/25 12:21		
Total Well Depth	**60.41**	feet		1		03/27/25 12:21		
Turbidity	**5.1**	NTU		1		03/27/25 12:21		
Odor	**none**			1		03/27/25 12:21		
Appearance	**clear**			1		03/27/25 12:21		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 02:58	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 02:58	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 02:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 02:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 02:58	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 02:58	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 02:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 02:58	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 02:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 02:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 02:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 02:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 02:58	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 02:58	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 02:58	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 02:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 02:58	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 02:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 02:58	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 02:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 02:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:58	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:58	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-1R **Lab ID: 92787163001** Collected: 03/24/25 10:49 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 02:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 02:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 02:58	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 02:58	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 02:58	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 02:58	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 02:58	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 02:58	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 02:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 02:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 02:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 02:58	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 02:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 02:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 02:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 02:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 02:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 02:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 02:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 02:58	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 02:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 02:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 02:58	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		03/28/25 02:58	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		03/28/25 02:58	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 02:58	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 21:41	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 21:41	7440-38-2	
Barium	**144**	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 21:41	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 21:41	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 21:41	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 21:41	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 21:41	7440-62-2	
Zinc	**15.0**	ug/L	10.0	1	04/14/25 08:33	04/15/25 21:41	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-7R **Lab ID: 92787163002** Collected: 03/24/25 11:38 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 16:20	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 16:20	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	99	%	60-140	1	04/03/25 12:58	04/03/25 16:20	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 11:38		
Collected By	**Chris Corbin**			1		03/24/25 11:38		
Collected Date	**032425**			1		03/24/25 11:38		
Collected Time	**1138**			1		03/24/25 11:38		
pH	**6.0**	Std. Units		1		03/24/25 11:38		
Temperature	**17**	deg C		1		03/24/25 11:38		
Static Water Level	**33.40**	feet		1		03/24/25 11:38		
Specific Conductance	**126**	umhos/cm		1		03/24/25 11:38		
Total Well Depth	**60.41**	feet		1		03/24/25 11:38		
Turbidity	**< 1**	NTU		1		03/24/25 11:38		
Odor	**slight**			1		03/24/25 11:38		
Appearance	**clear**			1		03/24/25 11:38		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 03:16	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 03:16	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 03:16	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 03:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 03:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 03:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 03:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 03:16	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 03:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 03:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 03:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 03:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 03:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 03:16	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 03:16	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 03:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 03:16	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:16	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:16	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-7R **Lab ID: 92787163002** Collected: 03/24/25 11:38 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 03:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 03:16	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 03:16	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 03:16	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 03:16	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 03:16	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 03:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 03:16	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 03:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 03:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 03:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 03:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 03:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 03:16	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 03:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 03:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 03:16	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 03:16	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		03/28/25 03:16	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		03/28/25 03:16	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:10	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:10	7440-38-2	
Barium	**118**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:10	7440-41-7	
Cadmium	**1.6**	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:10	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:10	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:10	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:10	7440-62-2	
Zinc	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:10	7440-66-6	1g

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-6 **Lab ID: 92787163003** Collected: 03/24/25 12:17 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 16:55	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 16:55	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	121	%	60-140	1	04/03/25 12:58	04/03/25 16:55	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 12:17		
Collected By	**Chris Corbin**			1		03/24/25 12:17		
Collected Date	**032425**			1		03/24/25 12:17		
Collected Time	**1217**			1		03/24/25 12:17		
pH	**6.2**	Std. Units		1		03/24/25 12:17		
Temperature	**18**	deg C		1		03/24/25 12:17		
Static Water Level	**22.18**	feet		1		03/24/25 12:17		
Specific Conductance	**610**	umhos/cm		1		03/24/25 12:17		
Total Well Depth	**27.25**	feet		1		03/24/25 12:17		
Turbidity	**8**	NTU		1		03/24/25 12:17		
Odor	**slight**			1		03/24/25 12:17		
Appearance	**clear**			1		03/24/25 12:17		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 03:35	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 03:35	107-13-1	
Benzene	**2.3**	ug/L	1.0	1		03/28/25 03:35	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 03:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 03:35	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 03:35	75-25-2	IK
Bromomethane	ND	ug/L	2.0	1		03/28/25 03:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 03:35	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 03:35	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 03:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 03:35	108-90-7	
Chloroethane	**2.1**	ug/L	1.0	1		03/28/25 03:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 03:35	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 03:35	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 03:35	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 03:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:35	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 03:35	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:35	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:35	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-6 **Lab ID: 92787163003** Collected: 03/24/25 12:17 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 03:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:35	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 03:35	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 03:35	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 03:35	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 03:35	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 03:35	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 03:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:35	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 03:35	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 03:35	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 03:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 03:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 03:35	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 03:35	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 03:35	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 03:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 03:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 03:35	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 03:35	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		03/28/25 03:35	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		03/28/25 03:35	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:19	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:19	7440-38-2	
Barium	**392**	ug/L	5.0	1	04/14/25 08:33	04/22/25 10:35	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:19	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-47-3	
Cobalt	**26.0**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:19	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:19	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:19	7440-62-2	
Zinc	**11.0**	ug/L	10.0	1	04/14/25 08:33	04/24/25 11:59	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-11 **Lab ID: 92787163004** Collected: 03/24/25 12:49 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:06	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:06	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	113	%	60-140	1	04/03/25 12:58	04/03/25 17:06	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 12:49		
Collected By	**Trey Jenkins**			1		03/24/25 12:49		
Collected Date	**032425**			1		03/24/25 12:49		
Collected Time	**1249**			1		03/24/25 12:49		
pH	**5.2**	Std. Units		1		03/24/25 12:49		
Temperature	**17**	deg C		1		03/24/25 12:49		
Static Water Level	**21.76**	feet		1		03/24/25 12:49		
Specific Conductance	**69**	umhos/cm		1		03/24/25 12:49		
Total Well Depth	**30.76**	feet		1		03/24/25 12:49		
Turbidity	**1.8**	NTU		1		03/24/25 12:49		
Odor	**none**			1		03/24/25 12:49		
Appearance	**clear**			1		03/24/25 12:49		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 03:53	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 03:53	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 03:53	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 03:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 03:53	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 03:53	75-25-2	IK
Bromomethane	ND	ug/L	2.0	1		03/28/25 03:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 03:53	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 03:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 03:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 03:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 03:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 03:53	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 03:53	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 03:53	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 03:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:53	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 03:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 03:53	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 03:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:53	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:53	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-11 **Lab ID: 92787163004** Collected: 03/24/25 12:49 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 03:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 03:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 03:53	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 03:53	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 03:53	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 03:53	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 03:53	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 03:53	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 03:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 03:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 03:53	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 03:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 03:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 03:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 03:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 03:53	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 03:53	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 03:53	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 03:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 03:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 03:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 03:53	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		03/28/25 03:53	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 03:53	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:29	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:29	7440-38-2	
Barium	**78.6**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:29	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:29	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:29	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:29	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:29	7440-62-2	
Zinc	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:29	7440-66-6	1g

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-2RR **Lab ID: 92787163005** Collected: 03/24/25 13:01 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:17	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	93	%	60-140	1	04/03/25 12:58	04/03/25 17:17	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 13:01		
Collected By	**Chris Corbin**			1		03/24/25 13:01		
Collected Date	**032425**			1		03/24/25 13:01		
Collected Time	**1301**			1		03/24/25 13:01		
pH	**6.5**	Std. Units		1		03/24/25 13:01		
Temperature	**19**	deg C		1		03/24/25 13:01		
Static Water Level	**37.41**	feet		1		03/24/25 13:01		
Specific Conductance	**1698**	umhos/cm		1		03/24/25 13:01		
Total Well Depth	**59.98**	feet		1		03/24/25 13:01		
Turbidity	**8**	NTU		1		03/24/25 13:01		
Odor	**strong**			1		03/24/25 13:01		
Appearance	**clear**			1		03/24/25 13:01		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 07:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 07:32	107-13-1	
Benzene	**4.7**	ug/L	1.0	1		03/28/25 07:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 07:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 07:32	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 07:32	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 07:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 07:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 07:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 07:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 07:32	108-90-7	
Chloroethane	**1.4**	ug/L	1.0	1		03/28/25 07:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 07:32	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 07:32	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 07:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 07:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 07:32	95-50-1	
1,4-Dichlorobenzene	**24.3**	ug/L	1.0	1		03/28/25 07:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 07:32	110-57-6	
1,1-Dichloroethane	**4.1**	ug/L	1.0	1		03/28/25 07:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 07:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 07:32	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 07:32	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-2RR **Lab ID: 92787163005** Collected: 03/24/25 13:01 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 07:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 07:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 07:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 07:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 07:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 07:32	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 07:32	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 07:32	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 07:32	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 07:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 07:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 07:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 07:32	127-18-4	L1,v1
Toluene	**1.8**	ug/L	1.0	1		03/28/25 07:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 07:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 07:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 07:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 07:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 07:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 07:32	108-05-4	
Vinyl chloride	**14.5**	ug/L	1.0	1		03/28/25 07:32	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 07:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 07:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 07:32	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		03/28/25 07:32	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		03/28/25 07:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 07:32	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:38	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:38	7440-38-2	
Barium	**2990**	ug/L	50.0	10	04/14/25 08:33	04/22/25 10:40	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:38	7440-41-7	
Cadmium	**2.7**	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:38	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-47-3	
Cobalt	**12.8**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:38	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:38	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:38	7440-62-2	
Zinc	**51.0**	ug/L	10.0	1	04/14/25 08:33	04/24/25 12:04	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-3 **Lab ID: 92787163006** Collected: 03/24/25 13:40 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:29	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:29	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	107	%	60-140	1	04/03/25 12:58	04/03/25 17:29	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 13:40		
Collected By	**Chris Corbins**			1		03/24/25 13:40		
Collected Date	**032425**			1		03/24/25 13:40		
Collected Time	**1340**			1		03/24/25 13:40		
pH	**6.4**	Std. Units		1		03/24/25 13:40		
Temperature	**20**	deg C		1		03/24/25 13:40		
Static Water Level	**35.74**	feet		1		03/24/25 13:40		
Specific Conductance	**599**	umhos/cm		1		03/24/25 13:40		
Total Well Depth	**38.78**	feet		1		03/24/25 13:40		
Turbidity	**62**	NTU		1		03/24/25 13:40		
Odor	**slight**			1		03/24/25 13:40		
Appearance	**clear**			1		03/24/25 13:40		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 04:11	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 04:11	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 04:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 04:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 04:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 04:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 04:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 04:11	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 04:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 04:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 04:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 04:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 04:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 04:11	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 04:11	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 04:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 04:11	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 04:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 04:11	110-57-6	
1,1-Dichloroethane	**1.3**	ug/L	1.0	1		03/28/25 04:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 04:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 04:11	75-35-4	v1
cis-1,2-Dichloroethene	**3.4**	ug/L	1.0	1		03/28/25 04:11	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-3 **Lab ID: 92787163006** Collected: 03/24/25 13:40 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 04:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 04:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 04:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 04:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 04:11	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 04:11	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 04:11	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 04:11	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 04:11	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 04:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 04:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 04:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 04:11	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 04:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 04:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 04:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 04:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 04:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 04:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 04:11	108-05-4	
Vinyl chloride	**6.1**	ug/L	1.0	1		03/28/25 04:11	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 04:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 04:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 04:11	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		03/28/25 04:11	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		03/28/25 04:11	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 04:11	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:48	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:48	7440-38-2	
Barium	**737**	ug/L	25.0	5	04/14/25 08:33	04/22/25 10:45	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:48	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:48	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-47-3	
Cobalt	**23.4**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:48	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:48	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:48	7440-62-2	
Zinc	**37.4**	ug/L	10.0	1	04/14/25 08:33	04/24/25 12:09	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-5 **Lab ID: 92787163007** Collected: 03/24/25 14:03 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:40	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 17:40	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	117	%	60-140	1	04/03/25 12:58	04/03/25 17:40	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 14:03		
Collected By	**Trey Jenkins**			1		03/24/25 14:03		
Collected Date	**032425**			1		03/24/25 14:03		
Collected Time	**1403**			1		03/24/25 14:03		
pH	**5.6**	Std. Units		1		03/24/25 14:03		
Temperature	**17**	deg C		1		03/24/25 14:03		
Static Water Level	**20.71**	feet		1		03/24/25 14:03		
Specific Conductance	**89**	umhos/cm		1		03/24/25 14:03		
Total Well Depth	**33.81**	feet		1		03/24/25 14:03		
Turbidity	**7.3**	NTU		1		03/24/25 14:03		
Odor	**none**			1		03/24/25 14:03		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 04:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 04:30	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 04:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 04:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 04:30	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 04:30	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 04:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 04:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 04:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 04:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 04:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 04:30	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 04:30	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 04:30	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 04:30	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 04:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 04:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 04:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 04:30	110-57-6	
1,1-Dichloroethane	**1.6**	ug/L	1.0	1		03/28/25 04:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 04:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 04:30	75-35-4	v1
cis-1,2-Dichloroethene	**2.4**	ug/L	1.0	1		03/28/25 04:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 04:30	156-60-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-5 **Lab ID: 92787163007** Collected: 03/24/25 14:03 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 04:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 04:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 04:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 04:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 04:30	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 04:30	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 04:30	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 04:30	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 04:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 04:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 04:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 04:30	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 04:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 04:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 04:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 04:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 04:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 04:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 04:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 04:30	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 04:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 04:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 04:30	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		03/28/25 04:30	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		03/28/25 04:30	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 04:30	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 22:57	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:57	7440-38-2	
Barium	**92.3**	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:57	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 22:57	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:57	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 22:57	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 22:57	7440-62-2	
Zinc	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 22:57	7440-66-6	1g

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-4R **Lab ID: 92787163008** Collected: 03/24/25 14:26 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 17:52	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 17:52	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	113	%	60-140	1	04/03/25 12:58	04/03/25 17:52	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 14:26		
Collected By	**Chris Corbin**			1		03/24/25 14:26		
Collected Date	**032425**			1		03/24/25 14:26		
Collected Time	**1426**			1		03/24/25 14:26		
pH	**6.8**	Std. Units		1		03/24/25 14:26		
Temperature	**19**	deg C		1		03/24/25 14:26		
Static Water Level	**30.85**	feet		1		03/24/25 14:26		
Specific Conductance	**873**	umhos/cm		1		03/24/25 14:26		
Total Well Depth	**62.47**	feet		1		03/24/25 14:26		
Turbidity	**2**	NTU		1		03/24/25 14:26		
Odor	**slight**			1		03/24/25 14:26		
Appearance	**clear**			1		03/24/25 14:26		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 08:09	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 08:09	107-13-1	
Benzene	**1.1**	ug/L	1.0	1		03/28/25 08:09	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 08:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 08:09	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 08:09	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 08:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 08:09	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 08:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 08:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 08:09	108-90-7	
Chloroethane	**1.3**	ug/L	1.0	1		03/28/25 08:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 08:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 08:09	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 08:09	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 08:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 08:09	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 08:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 08:09	110-57-6	
1,1-Dichloroethane	**5.1**	ug/L	1.0	1		03/28/25 08:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 08:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 08:09	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 08:09	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-4R **Lab ID: 92787163008** Collected: 03/24/25 14:26 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 08:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 08:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 08:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 08:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 08:09	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 08:09	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 08:09	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 08:09	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 08:09	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 08:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 08:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 08:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 08:09	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 08:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 08:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 08:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 08:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 08:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 08:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 08:09	108-05-4	
Vinyl chloride	**4.4**	ug/L	1.0	1		03/28/25 08:09	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 08:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 08:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 08:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 08:09	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		03/28/25 08:09	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 08:09	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 23:06	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 23:06	7440-38-2	
Barium	**687**	ug/L	25.0	5	04/14/25 08:33	04/22/25 10:50	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 23:06	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 23:06	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-47-3	
Cobalt	**9.5**	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 23:06	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 23:06	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:06	7440-62-2	
Zinc	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 23:06	7440-66-6	1g

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: CANNONS CREEK **Lab ID: 92787163009** Collected: 03/24/25 14:40 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 18:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 18:03	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	125	%	60-140	1	04/03/25 12:58	04/03/25 18:03	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method:							
	Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 14:40		
Collected By	**Trey Jenkins**			1		03/24/25 14:40		
Collected Date	**032425**			1		03/24/25 14:40		
Collected Time	**1440**			1		03/24/25 14:40		
pH	**6.5**	Std. Units		1		03/24/25 14:40		
Temperature	**16**	deg C		1		03/24/25 14:40		
Specific Conductance	**105**	umhos/cm		1		03/24/25 14:40		
Turbidity	**11.5**	NTU		1		03/24/25 14:40		
Odor	**none**			1		03/24/25 14:40		
Appearance	**clear**			1		03/24/25 14:40		
8260 MSV Low Level SC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 05:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 05:06	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 05:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 05:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 05:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 05:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 05:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 05:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 05:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 05:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 05:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 05:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 05:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 05:06	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 05:06	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 05:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 05:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 05:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 05:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 05:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 05:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 05:06	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 05:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 05:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 05:06	78-87-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: CANNONS CREEK **Lab ID: 92787163009** Collected: 03/24/25 14:40 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Charlotte							
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 05:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 05:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 05:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 05:06	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 05:06	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 05:06	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 05:06	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 05:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 05:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 05:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 05:06	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 05:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 05:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 05:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 05:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 05:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 05:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 05:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 05:06	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 05:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 05:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 05:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		03/28/25 05:06	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		03/28/25 05:06	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		03/28/25 05:06	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/15/25 23:16	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 23:16	7440-38-2	
Barium	**52.6**	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 23:16	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/15/25 23:16	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/15/25 23:16	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/15/25 23:16	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/15/25 23:16	7440-62-2	
Zinc	**19.7**	ug/L	10.0	1	04/14/25 08:33	04/24/25 12:14	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-10 **Lab ID: 92787163010** Collected: 03/24/25 16:00 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 18:14	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	04/03/25 12:58	04/03/25 18:14	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	111	%	60-140	1	04/03/25 12:58	04/03/25 18:14	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 16:00		
Collected By	**Trey Jenkins**			1		03/24/25 16:00		
Collected Date	**032425**			1		03/24/25 16:00		
Collected Time	**1600**			1		03/24/25 16:00		
pH	**5.7**	Std. Units		1		03/24/25 16:00		
Temperature	**19**	deg C		1		03/24/25 16:00		
Static Water Level	**17.49**	feet		1		03/24/25 16:00		
Specific Conductance	**271**	umhos/cm		1		03/24/25 16:00		
Total Well Depth	**43.88**	feet		1		03/24/25 16:00		
Turbidity	**2.0**	NTU		1		03/24/25 16:00		
Appearance	**clear**			1		03/24/25 16:00		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		04/02/25 16:40	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		04/02/25 16:40	107-13-1	
Benzene	**2.1**	ug/L	1.0	1		04/02/25 16:40	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		04/02/25 16:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/02/25 16:40	75-27-4	
Bromoform	ND	ug/L	1.0	1		04/02/25 16:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1		04/02/25 16:40	74-83-9	v2
2-Butanone (MEK)	ND	ug/L	5.0	1		04/02/25 16:40	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		04/02/25 16:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/02/25 16:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/02/25 16:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/02/25 16:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/02/25 16:40	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/02/25 16:40	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/02/25 16:40	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		04/02/25 16:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/02/25 16:40	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/02/25 16:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		04/02/25 16:40	110-57-6	v2
1,1-Dichloroethane	**9.3**	ug/L	1.0	1		04/02/25 16:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/02/25 16:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/02/25 16:40	75-35-4	
cis-1,2-Dichloroethene	**25.6**	ug/L	1.0	1		04/02/25 16:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/02/25 16:40	156-60-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-10 **Lab ID: 92787163010** Collected: 03/24/25 16:00 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
1,2-Dichloropropane	ND	ug/L	1.0	1		04/02/25 16:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/02/25 16:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/02/25 16:40	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/02/25 16:40	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		04/02/25 16:40	591-78-6	
Iodomethane	ND	ug/L	20.0	1		04/02/25 16:40	74-88-4	
Methylene Chloride	**12.1**	ug/L	5.0	1		04/02/25 16:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		04/02/25 16:40	108-10-1	
Styrene	ND	ug/L	1.0	1		04/02/25 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/02/25 16:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/02/25 16:40	79-34-5	
Tetrachloroethene	**1.7**	ug/L	1.0	1		04/02/25 16:40	127-18-4	v1
Toluene	ND	ug/L	1.0	1		04/02/25 16:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/02/25 16:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/02/25 16:40	79-00-5	
Trichloroethene	**3.2**	ug/L	1.0	1		04/02/25 16:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/02/25 16:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/02/25 16:40	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		04/02/25 16:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		04/02/25 16:40	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		04/02/25 16:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/02/25 16:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/02/25 16:40	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		04/02/25 16:40	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		04/02/25 16:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		04/02/25 16:40	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/16/25 00:22	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/16/25 00:22	7440-38-2	
Barium	**263**	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/16/25 00:22	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/16/25 00:22	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/16/25 00:22	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/16/25 00:22	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:22	7440-62-2	
Zinc	ND	ug/L	10.0	1	04/14/25 08:33	04/16/25 00:22	7440-66-6	1g

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-9 **Lab ID: 92787163011** Collected: 03/24/25 16:57 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 18:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	04/03/25 12:58	04/03/25 18:26	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	04/03/25 12:58	04/03/25 18:26	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		03/24/25 16:57		
Collected By	**Trey Jenkins**			1		03/24/25 16:57		
Collected Date	**032425**			1		03/24/25 16:57		
Collected Time	**1657**			1		03/24/25 16:57		
pH	**5.9**	Std. Units		1		03/24/25 16:57		
Temperature	**19**	deg C		1		03/24/25 16:57		
Static Water Level	**46.78**	feet		1		03/24/25 16:57		
Specific Conductance	**708**	umhos/cm		1		03/24/25 16:57		
Total Well Depth	**71.0**	feet		1		03/24/25 16:57		
Turbidity	**1.6**	NTU		1		03/24/25 16:57		
Odor	**slight**			1		03/24/25 16:57		
Appearance	**clear**			1		03/24/25 16:57		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 07:14	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 07:14	107-13-1	
Benzene	**1.7**	ug/L	1.0	1		03/28/25 07:14	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 07:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 07:14	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 07:14	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 07:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 07:14	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 07:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 07:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 07:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 07:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 07:14	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 07:14	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 07:14	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 07:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 07:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 07:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 07:14	110-57-6	
1,1-Dichloroethane	**4.3**	ug/L	1.0	1		03/28/25 07:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 07:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 07:14	75-35-4	v1
cis-1,2-Dichloroethene	**10.9**	ug/L	1.0	1		03/28/25 07:14	156-59-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TMW-9 **Lab ID: 92787163011** Collected: 03/24/25 16:57 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 07:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 07:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 07:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 07:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 07:14	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 07:14	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 07:14	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 07:14	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 07:14	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 07:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 07:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 07:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 07:14	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 07:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 07:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 07:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 07:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 07:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 07:14	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 07:14	108-05-4	
Vinyl chloride	**3.7**	ug/L	1.0	1		03/28/25 07:14	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 07:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 07:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/28/25 07:14	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 07:14	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		03/28/25 07:14	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		03/28/25 07:14	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	2.0	1	04/14/25 08:33	04/16/25 00:31	7440-36-0	
Arsenic	ND	ug/L	10.0	1	04/14/25 08:33	04/16/25 00:31	7440-38-2	
Barium	**1120**	ug/L	50.0	10	04/14/25 08:33	04/22/25 10:55	7440-39-3	
Beryllium	ND	ug/L	1.0	1	04/14/25 08:33	04/16/25 00:31	7440-41-7	
Cadmium	ND	ug/L	1.0	1	04/14/25 08:33	04/16/25 00:31	7440-43-9	
Chromium	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-47-3	
Cobalt	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-48-4	
Copper	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-50-8	
Lead	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7439-92-1	
Nickel	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-02-0	
Selenium	ND	ug/L	10.0	1	04/14/25 08:33	04/16/25 00:31	7782-49-2	
Silver	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-22-4	
Thallium	ND	ug/L	0.50	1	04/14/25 08:33	04/16/25 00:31	7440-28-0	
Vanadium	ND	ug/L	5.0	1	04/14/25 08:33	04/16/25 00:31	7440-62-2	
Zinc	**17.2**	ug/L	10.0	1	04/14/25 08:33	04/24/25 12:30	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TRIP BLANK **Lab ID: 92787163012** Collected: 03/24/25 16:48 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		03/28/25 02:03	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		03/28/25 02:03	107-13-1	
Benzene	ND	ug/L	1.0	1		03/28/25 02:03	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		03/28/25 02:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/28/25 02:03	75-27-4	
Bromoform	ND	ug/L	1.0	1		03/28/25 02:03	75-25-2	
Bromomethane	ND	ug/L	2.0	1		03/28/25 02:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/28/25 02:03	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		03/28/25 02:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		03/28/25 02:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/28/25 02:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/28/25 02:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		03/28/25 02:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		03/28/25 02:03	74-87-3	v1
Dibromochloromethane	ND	ug/L	1.0	1		03/28/25 02:03	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		03/28/25 02:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 02:03	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/28/25 02:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		03/28/25 02:03	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/28/25 02:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/28/25 02:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:03	75-35-4	v1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/28/25 02:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		03/28/25 02:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 02:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		03/28/25 02:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		03/28/25 02:03	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		03/28/25 02:03	591-78-6	
Iodomethane	ND	ug/L	20.0	1		03/28/25 02:03	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		03/28/25 02:03	75-09-2	v1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/28/25 02:03	108-10-1	
Styrene	ND	ug/L	1.0	1		03/28/25 02:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 02:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/28/25 02:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/28/25 02:03	127-18-4	L1,v1
Toluene	ND	ug/L	1.0	1		03/28/25 02:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/28/25 02:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/28/25 02:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/28/25 02:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/28/25 02:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		03/28/25 02:03	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		03/28/25 02:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		03/28/25 02:03	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		03/28/25 02:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/28/25 02:03	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: TRIP BLANK **Lab ID: 92787163012** Collected: 03/24/25 16:48 Received: 03/26/25 07:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
o-Xylene	ND	ug/L	1.0	1		03/28/25 02:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		03/28/25 02:03	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		03/28/25 02:03	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		03/28/25 02:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-8 **Lab ID: 92790600001** Collected: 04/10/25 16:10 Received: 04/11/25 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	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-Dibromo-3-chloropropane	ND	ug/L	0.020	1	04/15/25 07:58	04/15/25 23:14	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	04/15/25 07:58	04/15/25 23:14	106-93-4	
Surrogates								
1-Chloro-2-bromopropane (S)	80	%	60-140	1	04/15/25 07:58	04/15/25 23:14	301-79-56	
Monitoring Well Data,Greenwood	Analytical Method: Pace Analytical Services - Greenwood							
Performed by	**PACE**			1		04/21/25 17:10		
Collected By	**C. Corbin**			1		04/21/25 17:10		
Collected Date	**3/25/25**			1		04/21/25 17:10		
Collected Time	**16:45**			1		04/21/25 17:10		
pH	**5.7**	Std. Units		1		04/21/25 17:10		
Temperature	**19**	deg C		1		04/21/25 17:10		
Static Water Level	**33.63**	feet		1		04/21/25 17:10		
Specific Conductance	**232**	umhos/cm		1		04/21/25 17:10		
Total Well Depth	**71.84**	feet		1		04/21/25 17:10		
Turbidity	**12**	NTU		1		04/21/25 17:10		
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	ND	ug/L	25.0	1		04/14/25 15:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		04/14/25 15:06	107-13-1	
Benzene	**2.4**	ug/L	1.0	1		04/14/25 15:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		04/14/25 15:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/14/25 15:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		04/14/25 15:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		04/14/25 15:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		04/14/25 15:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		04/14/25 15:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		04/14/25 15:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/14/25 15:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/14/25 15:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/14/25 15:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		04/14/25 15:06	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		04/14/25 15:06	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		04/14/25 15:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/14/25 15:06	95-50-1	
1,4-Dichlorobenzene	**2.0**	ug/L	1.0	1		04/14/25 15:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		04/14/25 15:06	110-57-6	
1,1-Dichloroethane	**14.3**	ug/L	1.0	1		04/14/25 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/14/25 15:06	107-06-2	
1,1-Dichloroethene	**1.7**	ug/L	1.0	1		04/14/25 15:06	75-35-4	
cis-1,2-Dichloroethene	**33.7**	ug/L	1.0	1		04/14/25 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/14/25 15:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/14/25 15:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		04/14/25 15:06	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Sample: MW-8 **Lab ID: 92790600001** Collected: 04/10/25 16:10 Received: 04/11/25 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		04/14/25 15:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		04/14/25 15:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		04/14/25 15:06	591-78-6	
Iodomethane	ND	ug/L	20.0	1		04/14/25 15:06	74-88-4	
Methylene Chloride	**41.5**	ug/L	5.0	1		04/14/25 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		04/14/25 15:06	108-10-1	
Styrene	ND	ug/L	1.0	1		04/14/25 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/14/25 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/14/25 15:06	79-34-5	
Tetrachloroethene	**2.4**	ug/L	1.0	1		04/14/25 15:06	127-18-4	
Toluene	ND	ug/L	1.0	1		04/14/25 15:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/14/25 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/14/25 15:06	79-00-5	
Trichloroethene	**5.1**	ug/L	1.0	1		04/14/25 15:06	79-01-6	
Trichlorofluoromethane	**1.4**	ug/L	1.0	1		04/14/25 15:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/14/25 15:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		04/14/25 15:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		04/14/25 15:06	75-01-4	
Xylene (Total)	ND	ug/L	1.0	1		04/14/25 15:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/14/25 15:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/14/25 15:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	108	%	70-130	1		04/14/25 15:06	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		04/14/25 15:06	17060-07-0	
Toluene-d8 (S)	106	%	70-130	1		04/14/25 15:06	2037-26-5	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Antimony	ND	ug/L	10.0	5	04/16/25 07:46	04/17/25 14:24	7440-36-0	
Arsenic	ND	ug/L	50.0	5	04/16/25 07:46	04/17/25 14:24	7440-38-2	
Barium	**275**	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-39-3	
Beryllium	ND	ug/L	5.0	5	04/16/25 07:46	04/17/25 14:24	7440-41-7	
Cadmium	ND	ug/L	5.0	5	04/16/25 07:46	04/17/25 14:24	7440-43-9	
Chromium	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-47-3	
Cobalt	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-48-4	
Copper	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-50-8	
Lead	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7439-92-1	
Nickel	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-02-0	
Selenium	ND	ug/L	50.0	5	04/16/25 07:46	04/17/25 14:24	7782-49-2	
Silver	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-22-4	
Thallium	ND	ug/L	2.5	5	04/16/25 07:46	04/17/25 14:24	7440-28-0	
Vanadium	ND	ug/L	25.0	5	04/16/25 07:46	04/17/25 14:24	7440-62-2	
Zinc	ND	ug/L	50.0	5	04/16/25 07:46	04/17/25 14:24	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 925317 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163011, 92787163012

METHOD BLANK: 4753295 Matrix: Water
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163011, 92787163012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,1-Dichloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,1-Dichloroethene	ug/L	ND	1.0	03/27/25 23:37	v1
1,2,3-Trichloropropane	ug/L	ND	1.0	03/27/25 23:37	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/27/25 23:37	
1,2-Dichloroethane	ug/L	ND	1.0	03/27/25 23:37	
1,2-Dichloropropane	ug/L	ND	1.0	03/27/25 23:37	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/27/25 23:37	
2-Butanone (MEK)	ug/L	ND	5.0	03/27/25 23:37	
2-Hexanone	ug/L	ND	5.0	03/27/25 23:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	03/27/25 23:37	
Acetone	ug/L	ND	25.0	03/27/25 23:37	
Acrylonitrile	ug/L	ND	10.0	03/27/25 23:37	
Benzene	ug/L	ND	1.0	03/27/25 23:37	
Bromochloromethane	ug/L	ND	1.0	03/27/25 23:37	
Bromodichloromethane	ug/L	ND	1.0	03/27/25 23:37	
Bromoform	ug/L	ND	1.0	03/27/25 23:37	
Bromomethane	ug/L	ND	2.0	03/27/25 23:37	
Carbon disulfide	ug/L	ND	2.0	03/27/25 23:37	
Carbon tetrachloride	ug/L	ND	1.0	03/27/25 23:37	
Chlorobenzene	ug/L	ND	1.0	03/27/25 23:37	
Chloroethane	ug/L	ND	1.0	03/27/25 23:37	
Chloroform	ug/L	ND	1.0	03/27/25 23:37	
Chloromethane	ug/L	ND	1.0	03/27/25 23:37	v1
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/27/25 23:37	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/27/25 23:37	
Dibromochloromethane	ug/L	ND	1.0	03/27/25 23:37	
Dibromomethane	ug/L	ND	1.0	03/27/25 23:37	
Ethylbenzene	ug/L	ND	1.0	03/27/25 23:37	
Iodomethane	ug/L	ND	20.0	03/27/25 23:37	
m&p-Xylene	ug/L	ND	2.0	03/27/25 23:37	
Methylene Chloride	ug/L	ND	5.0	03/27/25 23:37	v1
o-Xylene	ug/L	ND	1.0	03/27/25 23:37	
Styrene	ug/L	ND	1.0	03/27/25 23:37	
Tetrachloroethene	ug/L	ND	1.0	03/27/25 23:37	v1
Toluene	ug/L	ND	1.0	03/27/25 23:37	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

METHOD BLANK: 4753295 Matrix: Water

Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163011, 92787163012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/27/25 23:37	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/27/25 23:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	03/27/25 23:37	
Trichloroethene	ug/L	ND	1.0	03/27/25 23:37	
Trichlorofluoromethane	ug/L	ND	1.0	03/27/25 23:37	
Vinyl acetate	ug/L	ND	2.0	03/27/25 23:37	
Vinyl chloride	ug/L	ND	1.0	03/27/25 23:37	
Xylene (Total)	ug/L	ND	1.0	03/27/25 23:37	
1,2-Dichloroethane-d4 (S)	%	110	70-130	03/27/25 23:37	
4-Bromofluorobenzene (S)	%	97	70-130	03/27/25 23:37	
Toluene-d8 (S)	%	103	70-130	03/27/25 23:37	

LABORATORY CONTROL SAMPLE: 4753296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.1	101	70-130	
1,1,1-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	105	70-130	
1,1,2-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	20	23.2	116	70-130	
1,1-Dichloroethene	ug/L	20	24.4	122	70-130	v1
1,2,3-Trichloropropane	ug/L	20	21.1	105	70-130	
1,2-Dichlorobenzene	ug/L	20	21.4	107	70-130	
1,2-Dichloroethane	ug/L	20	21.6	108	70-130	
1,2-Dichloropropane	ug/L	20	22.6	113	70-130	
1,4-Dichlorobenzene	ug/L	20	21.6	108	70-130	
2-Butanone (MEK)	ug/L	40	45.8	115	70-130	
2-Hexanone	ug/L	40	45.8	114	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	43.3	108	70-130	
Acetone	ug/L	40	45.9	115	70-130	
Acrylonitrile	ug/L	100	114	114	70-130	
Benzene	ug/L	20	22.9	114	70-130	
Bromochloromethane	ug/L	20	21.7	108	70-130	
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	19.1	95	70-130	
Bromomethane	ug/L	20	20.6	103	70-130	
Carbon disulfide	ug/L	20	23.9	119	70-130	
Carbon tetrachloride	ug/L	20	21.0	105	70-130	
Chlorobenzene	ug/L	20	21.0	105	70-130	
Chloroethane	ug/L	20	23.8	119	70-130	
Chloroform	ug/L	20	21.2	106	70-130	
Chloromethane	ug/L	20	25.6	128	70-130	v1
cis-1,2-Dichloroethene	ug/L	20	23.0	115	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

LABORATORY CONTROL SAMPLE: 4753296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	21.0	105	70-130	
Dibromochloromethane	ug/L	20	20.3	101	70-130	
Dibromomethane	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
Iodomethane	ug/L	40	40.2	101	70-130	
m&p-Xylene	ug/L	40	42.5	106	70-130	
Methylene Chloride	ug/L	20	25.9	129	70-130	v1
o-Xylene	ug/L	20	22.1	111	70-130	
Styrene	ug/L	20	21.4	107	70-130	
Tetrachloroethene	ug/L	20	32.1	160	70-130	L1,v1
Toluene	ug/L	20	21.1	105	70-130	
trans-1,2-Dichloroethene	ug/L	20	23.6	118	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.9	85	70-130	
Trichloroethene	ug/L	20	21.3	107	70-130	
Trichlorofluoromethane	ug/L	20	20.7	104	70-130	
Vinyl acetate	ug/L	40	37.2	93	70-130	
Vinyl chloride	ug/L	20	23.5	118	70-130	
Xylene (Total)	ug/L	60	64.6	108	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4753297

Parameter	Units	92787163003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	18.0	90	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	21.1	105	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	17.4	87	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	22.1	111	70-135	v1
1,1-Dichloroethane	ug/L	ND	20	22.6	113	70-139	
1,1-Dichloroethene	ug/L	ND	20	23.1	115	70-154	
1,2,3-Trichloropropane	ug/L	ND	20	17.4	87	71-137	
1,2-Dichlorobenzene	ug/L	ND	20	15.4	77	70-133	
1,2-Dichloroethane	ug/L	ND	20	22.4	112	70-137	
1,2-Dichloropropane	ug/L	ND	20	21.7	108	70-140	
1,4-Dichlorobenzene	ug/L	ND	20	15.6	75	70-133	
2-Butanone (MEK)	ug/L	ND	40	39.5	99	60-139	
2-Hexanone	ug/L	ND	40	33.0	83	65-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	38.4	96	65-135	
Acetone	ug/L	ND	40	41.7	104	60-148	
Acrylonitrile	ug/L	ND	100	107	107	64-147	
Benzene	ug/L	2.3	20	23.9	108	70-151	
Bromochloromethane	ug/L	ND	20	24.4	122	70-141	v1
Bromodichloromethane	ug/L	ND	20	21.5	107	70-138	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

MATRIX SPIKE SAMPLE: 4753297

Parameter	Units	92787163003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	20	14.2	71	63-130	IK
Bromomethane	ug/L	ND	20	19.2	96	15-152	
Carbon disulfide	ug/L	ND	20	19.7	99	69-149	
Carbon tetrachloride	ug/L	ND	20	21.5	107	70-143	
Chlorobenzene	ug/L	ND	20	18.7	93	70-138	
Chloroethane	ug/L	2.1	20	22.0	99	52-163	
Chloroform	ug/L	ND	20	21.5	107	70-139	
Chloromethane	ug/L	ND	20	19.8	99	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	23.1	111	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	19.9	99	70-137	
Dibromochloromethane	ug/L	ND	20	16.8	84	70-134	
Dibromomethane	ug/L	ND	20	21.6	108	70-138	
Ethylbenzene	ug/L	ND	20	17.1	85	66-153	
Iodomethane	ug/L	ND	40	43.4	108	20-138	
m&p-Xylene	ug/L	ND	40	34.8	87	69-152	
Methylene Chloride	ug/L	ND	20	21.1	105	42-159	
o-Xylene	ug/L	ND	20	16.6	83	70-148	
Styrene	ug/L	ND	20	17.4	87	70-135	
Tetrachloroethene	ug/L	ND	20	14.9	74	59-143	
Toluene	ug/L	ND	20	20.4	102	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	23.9	119	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	18.8	94	70-135	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	14.6	73	47-135	
Trichloroethene	ug/L	ND	20	20.9	104	70-147	
Trichlorofluoromethane	ug/L	ND	20	21.3	107	70-148	
Vinyl acetate	ug/L	ND	40	44.9	112	49-151	
Vinyl chloride	ug/L	ND	20	21.1	102	70-156	
Xylene (Total)	ug/L	ND	60	51.4	86	63-158	
1,2-Dichloroethane-d4 (S)	%				107	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				105	70-130	

SAMPLE DUPLICATE: 4753298

Parameter	Units	92787163004 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		v1
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

SAMPLE DUPLICATE: 4753298

Parameter	Units	92787163004 Result	Dup Result	RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Acrylonitrile	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		v1
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		IK
Bromomethane	ug/L	ND	ND		
Carbon disulfide	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Iodomethane	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	109	107		
4-Bromofluorobenzene (S)	%	96	96		
Toluene-d8 (S)	%	102	102		

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 926315
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92787163010

METHOD BLANK: 4758146 Matrix: Water
Associated Lab Samples: 92787163010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,1-Dichloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,1-Dichloroethene	ug/L	ND	1.0	04/02/25 13:56	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/02/25 13:56	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/02/25 13:56	
1,2-Dichloroethane	ug/L	ND	1.0	04/02/25 13:56	
1,2-Dichloropropane	ug/L	ND	1.0	04/02/25 13:56	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/02/25 13:56	
2-Butanone (MEK)	ug/L	ND	5.0	04/02/25 13:56	
2-Hexanone	ug/L	ND	5.0	04/02/25 13:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/02/25 13:56	
Acetone	ug/L	ND	25.0	04/02/25 13:56	
Acrylonitrile	ug/L	ND	10.0	04/02/25 13:56	
Benzene	ug/L	ND	1.0	04/02/25 13:56	
Bromochloromethane	ug/L	ND	1.0	04/02/25 13:56	
Bromodichloromethane	ug/L	ND	1.0	04/02/25 13:56	
Bromoform	ug/L	ND	1.0	04/02/25 13:56	
Bromomethane	ug/L	ND	2.0	04/02/25 13:56	v2
Carbon disulfide	ug/L	ND	2.0	04/02/25 13:56	
Carbon tetrachloride	ug/L	ND	1.0	04/02/25 13:56	
Chlorobenzene	ug/L	ND	1.0	04/02/25 13:56	
Chloroethane	ug/L	ND	1.0	04/02/25 13:56	
Chloroform	ug/L	ND	1.0	04/02/25 13:56	
Chloromethane	ug/L	ND	1.0	04/02/25 13:56	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/02/25 13:56	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/02/25 13:56	
Dibromochloromethane	ug/L	ND	1.0	04/02/25 13:56	
Dibromomethane	ug/L	ND	1.0	04/02/25 13:56	
Ethylbenzene	ug/L	ND	1.0	04/02/25 13:56	
Iodomethane	ug/L	ND	20.0	04/02/25 13:56	
m&p-Xylene	ug/L	ND	2.0	04/02/25 13:56	
Methylene Chloride	ug/L	ND	5.0	04/02/25 13:56	
o-Xylene	ug/L	ND	1.0	04/02/25 13:56	
Styrene	ug/L	ND	1.0	04/02/25 13:56	
Tetrachloroethene	ug/L	ND	1.0	04/02/25 13:56	v1
Toluene	ug/L	ND	1.0	04/02/25 13:56	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/02/25 13:56	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

METHOD BLANK: 4758146 Matrix: Water
Associated Lab Samples: 92787163010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/02/25 13:56	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/02/25 13:56	v2
Trichloroethene	ug/L	ND	1.0	04/02/25 13:56	
Trichlorofluoromethane	ug/L	ND	1.0	04/02/25 13:56	
Vinyl acetate	ug/L	ND	2.0	04/02/25 13:56	
Vinyl chloride	ug/L	ND	1.0	04/02/25 13:56	
Xylene (Total)	ug/L	ND	1.0	04/02/25 13:56	
1,2-Dichloroethane-d4 (S)	%	88	70-130	04/02/25 13:56	
4-Bromofluorobenzene (S)	%	93	70-130	04/02/25 13:56	
Toluene-d8 (S)	%	99	70-130	04/02/25 13:56	

LABORATORY CONTROL SAMPLE: 4758147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.9	115	70-130	
1,1,1-Trichloroethane	ug/L	20	20.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	19.1	95	70-130	
1,2,3-Trichloropropane	ug/L	20	21.3	106	70-130	
1,2-Dichlorobenzene	ug/L	20	23.7	119	70-130	
1,2-Dichloroethane	ug/L	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/L	20	23.6	118	70-130	
2-Butanone (MEK)	ug/L	40	38.3	96	70-130	
2-Hexanone	ug/L	40	41.9	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.0	95	70-130	
Acetone	ug/L	40	34.0	85	70-130	
Acrylonitrile	ug/L	100	94.9	95	70-130	
Benzene	ug/L	20	21.5	108	70-130	
Bromochloromethane	ug/L	20	21.8	109	70-130	
Bromodichloromethane	ug/L	20	21.1	105	70-130	
Bromoform	ug/L	20	23.7	119	70-130	
Bromomethane	ug/L	20	16.3	81	70-130	v3
Carbon disulfide	ug/L	20	19.8	99	70-130	
Carbon tetrachloride	ug/L	20	21.9	109	70-130	
Chlorobenzene	ug/L	20	22.5	112	70-130	
Chloroethane	ug/L	20	16.1	80	70-130	
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	19.2	96	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	70-130	
Dibromochloromethane	ug/L	20	23.2	116	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

LABORATORY CONTROL SAMPLE: 4758147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	22.3	112	70-130	
Ethylbenzene	ug/L	20	21.6	108	70-130	
Iodomethane	ug/L	40	39.5	99	70-130	
m&p-Xylene	ug/L	40	45.0	112	70-130	
Methylene Chloride	ug/L	20	17.7	88	70-130	
o-Xylene	ug/L	20	24.0	120	70-130	
Styrene	ug/L	20	23.4	117	70-130	
Tetrachloroethene	ug/L	20	22.7	114	70-130	v1
Toluene	ug/L	20	20.9	105	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.5	108	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.1	86	70-130	v3
Trichloroethene	ug/L	20	22.4	112	70-130	
Trichlorofluoromethane	ug/L	20	19.1	95	70-130	
Vinyl acetate	ug/L	40	35.0	87	70-130	
Vinyl chloride	ug/L	20	18.3	91	70-130	
Xylene (Total)	ug/L	60	68.9	115	70-130	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 4758148

Parameter	Units	92787914009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	13.0	65	73-134	M1
1,1,1-Trichloroethane	ug/L	ND	20	12.3	61	82-143	M1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	13.3	67	70-136	M1
1,1,2-Trichloroethane	ug/L	ND	20	13.1	66	70-135	M1
1,1-Dichloroethane	ug/L	ND	20	11.5	58	70-139	M1
1,1-Dichloroethene	ug/L	ND	20	11.4	57	70-154	M1
1,2,3-Trichloropropane	ug/L	ND	20	13.9	70	71-137	M1
1,2-Dichlorobenzene	ug/L	ND	20	12.3	62	70-133	M1
1,2-Dichloroethane	ug/L	ND	20	11.6	58	70-137	M1
1,2-Dichloropropane	ug/L	ND	20	11.9	60	70-140	M1
1,4-Dichlorobenzene	ug/L	ND	20	12.1	61	70-133	M1
2-Butanone (MEK)	ug/L	ND	40	26.5	66	60-139	
2-Hexanone	ug/L	ND	40	29.0	73	65-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	24.6	62	65-135	M1
Acetone	ug/L	ND	40	25.9	65	60-148	
Acrylonitrile	ug/L	ND	100	70.3	70	64-147	
Benzene	ug/L	ND	20	12.7	63	70-151	M1
Bromochloromethane	ug/L	ND	20	13.6	68	70-141	M1
Bromodichloromethane	ug/L	ND	20	12.5	63	70-138	M1
Bromoform	ug/L	ND	20	14.3	71	63-130	
Bromomethane	ug/L	ND	20	9.8	49	15-152	v3

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

MATRIX SPIKE SAMPLE: 4758148

Parameter	Units	92787914009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	ND	20	11.8	59	69-149	M1
Carbon tetrachloride	ug/L	ND	20	13.5	67	70-143	M1
Chlorobenzene	ug/L	ND	20	12.8	64	70-138	M1
Chloroethane	ug/L	ND	20	10.7	53	52-163	
Chloroform	ug/L	ND	20	12.0	60	70-139	M1
Chloromethane	ug/L	ND	20	10.5	53	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	11.7	59	70-141	M1
cis-1,3-Dichloropropene	ug/L	ND	20	12.1	60	70-137	M1
Dibromochloromethane	ug/L	ND	20	13.4	67	70-134	M1
Dibromomethane	ug/L	ND	20	14.5	72	70-138	
Ethylbenzene	ug/L	ND	20	12.0	60	66-153	M1
Iodomethane	ug/L	ND	40	19.6J	49	20-138	
m&p-Xylene	ug/L	ND	40	24.8	62	69-152	M1
Methylene Chloride	ug/L	ND	20	10.8	54	42-159	
o-Xylene	ug/L	ND	20	12.8	64	70-148	M1
Styrene	ug/L	ND	20	12.5	63	70-135	M1
Tetrachloroethene	ug/L	1.5	20	13.8	62	59-143	
Toluene	ug/L	ND	20	12.3	62	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	11.4	57	70-146	M1
trans-1,3-Dichloropropene	ug/L	ND	20	12.6	63	70-135	M1
trans-1,4-Dichloro-2-butene	ug/L	ND	20	14.8	74	47-135	v1
Trichloroethene	ug/L	ND	20	13.9	65	70-147	M1
Trichlorofluoromethane	ug/L	ND	20	11.9	60	70-148	M1
Vinyl acetate	ug/L	ND	40	22.5	56	49-151	
Vinyl chloride	ug/L	ND	20	10.0	50	70-156	M1
Xylene (Total)	ug/L	ND	60	37.5	63	63-158	MS
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 4758149

Parameter	Units	92787914010 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

SAMPLE DUPLICATE: 4758149

Parameter	Units	92787914010 Result	Dup Result	RPD	Qualifiers
2-Hexanone	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Acrylonitrile	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		v2
Carbon disulfide	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Iodomethane	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		v1
Trichloroethene	ug/L	3.0	2.9	1	
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	88	87		
4-Bromofluorobenzene (S)	%	93	91		
Toluene-d8 (S)	%	98	99		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 928996
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92790600001

METHOD BLANK: 4772695 Matrix: Water
Associated Lab Samples: 92790600001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,1-Dichloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,1-Dichloroethene	ug/L	ND	1.0	04/14/25 08:01	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/14/25 08:01	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/14/25 08:01	
1,2-Dichloroethane	ug/L	ND	1.0	04/14/25 08:01	
1,2-Dichloropropane	ug/L	ND	1.0	04/14/25 08:01	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/14/25 08:01	
2-Butanone (MEK)	ug/L	ND	5.0	04/14/25 08:01	
2-Hexanone	ug/L	ND	5.0	04/14/25 08:01	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/14/25 08:01	
Acetone	ug/L	ND	25.0	04/14/25 08:01	
Acrylonitrile	ug/L	ND	10.0	04/14/25 08:01	
Benzene	ug/L	ND	1.0	04/14/25 08:01	
Bromochloromethane	ug/L	ND	1.0	04/14/25 08:01	
Bromodichloromethane	ug/L	ND	1.0	04/14/25 08:01	
Bromoform	ug/L	ND	1.0	04/14/25 08:01	
Bromomethane	ug/L	ND	2.0	04/14/25 08:01	
Carbon disulfide	ug/L	ND	2.0	04/14/25 08:01	
Carbon tetrachloride	ug/L	ND	1.0	04/14/25 08:01	
Chlorobenzene	ug/L	ND	1.0	04/14/25 08:01	
Chloroethane	ug/L	ND	1.0	04/14/25 08:01	
Chloroform	ug/L	ND	1.0	04/14/25 08:01	
Chloromethane	ug/L	ND	1.0	04/14/25 08:01	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/14/25 08:01	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/14/25 08:01	
Dibromochloromethane	ug/L	ND	1.0	04/14/25 08:01	
Dibromomethane	ug/L	ND	1.0	04/14/25 08:01	
Ethylbenzene	ug/L	ND	1.0	04/14/25 08:01	
Iodomethane	ug/L	ND	20.0	04/14/25 08:01	
m&p-Xylene	ug/L	ND	2.0	04/14/25 08:01	
Methylene Chloride	ug/L	ND	5.0	04/14/25 08:01	
o-Xylene	ug/L	ND	1.0	04/14/25 08:01	
Styrene	ug/L	ND	1.0	04/14/25 08:01	
Tetrachloroethene	ug/L	ND	1.0	04/14/25 08:01	
Toluene	ug/L	ND	1.0	04/14/25 08:01	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/14/25 08:01	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

METHOD BLANK: 4772695 Matrix: Water
Associated Lab Samples: 92790600001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/14/25 08:01	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	04/14/25 08:01	
Trichloroethene	ug/L	ND	1.0	04/14/25 08:01	
Trichlorofluoromethane	ug/L	ND	1.0	04/14/25 08:01	
Vinyl acetate	ug/L	ND	2.0	04/14/25 08:01	
Vinyl chloride	ug/L	ND	1.0	04/14/25 08:01	
Xylene (Total)	ug/L	ND	1.0	04/14/25 08:01	
1,2-Dichloroethane-d4 (S)	%	103	70-130	04/14/25 08:01	
4-Bromofluorobenzene (S)	%	101	70-130	04/14/25 08:01	
Toluene-d8 (S)	%	108	70-130	04/14/25 08:01	

LABORATORY CONTROL SAMPLE: 4772696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.3	92	70-130	
1,1,1-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,2-Trichloroethane	ug/L	20	18.7	93	70-130	
1,1-Dichloroethane	ug/L	20	19.5	97	70-130	
1,1-Dichloroethene	ug/L	20	20.9	105	70-130	
1,2,3-Trichloropropane	ug/L	20	17.1	86	70-130	
1,2-Dichlorobenzene	ug/L	20	18.8	94	70-130	
1,2-Dichloroethane	ug/L	20	19.3	97	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.0	90	70-130	
2-Butanone (MEK)	ug/L	40	35.2	88	70-130	
2-Hexanone	ug/L	40	35.9	90	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	34.4	86	70-130	
Acetone	ug/L	40	37.3	93	70-130	
Acrylonitrile	ug/L	100	95.5	96	70-130	
Benzene	ug/L	20	19.8	99	70-130	
Bromochloromethane	ug/L	20	20.8	104	70-130	
Bromodichloromethane	ug/L	20	19.3	96	70-130	
Bromoform	ug/L	20	18.5	92	70-130	
Bromomethane	ug/L	20	17.6	88	70-130	
Carbon disulfide	ug/L	20	20.2	101	70-130	
Carbon tetrachloride	ug/L	20	19.7	99	70-130	
Chlorobenzene	ug/L	20	18.8	94	70-130	
Chloroethane	ug/L	20	18.1	91	70-130	
Chloroform	ug/L	20	18.9	94	70-130	
Chloromethane	ug/L	20	20.9	104	70-130	
cis-1,2-Dichloroethene	ug/L	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
Dibromochloromethane	ug/L	20	18.7	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

LABORATORY CONTROL SAMPLE: 4772696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	19.5	97	70-130	
Ethylbenzene	ug/L	20	18.4	92	70-130	
Iodomethane	ug/L	40	34.7	87	70-130	
m&p-Xylene	ug/L	40	38.3	96	70-130	
Methylene Chloride	ug/L	20	19.6	98	70-130	
o-Xylene	ug/L	20	19.6	98	70-130	
Styrene	ug/L	20	19.7	98	70-130	
Tetrachloroethene	ug/L	20	18.8	94	70-130	
Toluene	ug/L	20	18.5	93	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.9	94	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.8	99	70-130	
Trichloroethene	ug/L	20	19.9	100	70-130	
Trichlorofluoromethane	ug/L	20	19.7	99	70-130	
Vinyl acetate	ug/L	40	38.1	95	70-130	
Vinyl chloride	ug/L	20	19.6	98	70-130	
Xylene (Total)	ug/L	60	57.9	97	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 4772698

Parameter	Units	92790632022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.9	109	73-134	
1,1,1-Trichloroethane	ug/L	ND	20	24.0	120	82-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.0	105	70-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.7	109	70-135	
1,1-Dichloroethane	ug/L	ND	20	23.3	117	70-139	
1,1-Dichloroethene	ug/L	ND	20	23.7	118	70-154	
1,2,3-Trichloropropane	ug/L	ND	20	21.1	105	71-137	
1,2-Dichlorobenzene	ug/L	ND	20	21.1	106	70-133	
1,2-Dichloroethane	ug/L	ND	20	22.0	110	70-137	
1,2-Dichloropropane	ug/L	ND	20	23.4	117	70-140	
1,4-Dichlorobenzene	ug/L	ND	20	21.2	106	70-133	
2-Butanone (MEK)	ug/L	ND	40	40.7	102	60-139	
2-Hexanone	ug/L	ND	40	42.7	107	65-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	39.9	100	65-135	
Acetone	ug/L	ND	40	44.6	112	60-148	
Acrylonitrile	ug/L	ND	100	111	111	64-147	
Benzene	ug/L	ND	20	24.2	121	70-151	
Bromochloromethane	ug/L	ND	20	24.8	124	70-141	
Bromodichloromethane	ug/L	ND	20	22.4	112	70-138	
Bromoform	ug/L	ND	20	20.9	105	63-130	
Bromomethane	ug/L	ND	20	19.5	98	15-152	v3

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

MATRIX SPIKE SAMPLE: 4772698

Parameter	Units	92790632022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	ND	20	23.6	118	69-149	
Carbon tetrachloride	ug/L	ND	20	23.6	118	70-143	
Chlorobenzene	ug/L	ND	20	21.6	108	70-138	
Chloroethane	ug/L	ND	20	21.6	108	52-163	
Chloroform	ug/L	ND	20	22.8	114	70-139	
Chloromethane	ug/L	ND	20	23.6	118	41-139	
cis-1,2-Dichloroethene	ug/L	ND	20	22.4	112	70-141	
cis-1,3-Dichloropropene	ug/L	ND	20	20.8	104	70-137	
Dibromochloromethane	ug/L	ND	20	21.6	108	70-134	
Dibromomethane	ug/L	ND	20	22.7	114	70-138	
Ethylbenzene	ug/L	ND	20	21.8	109	66-153	
Iodomethane	ug/L	ND	40	43.6	109	20-138	
m&p-Xylene	ug/L	ND	40	44.3	111	69-152	
Methylene Chloride	ug/L	ND	20	23.0	115	42-159	
o-Xylene	ug/L	ND	20	22.7	112	70-148	
Styrene	ug/L	ND	20	22.1	110	70-135	
Tetrachloroethene	ug/L	ND	20	20.7	103	59-143	
Toluene	ug/L	ND	20	20.9	102	59-148	
trans-1,2-Dichloroethene	ug/L	ND	20	23.7	118	70-146	
trans-1,3-Dichloropropene	ug/L	ND	20	21.1	105	70-135	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	25.6	128	47-135	
Trichloroethene	ug/L	ND	20	24.4	122	70-147	
Trichlorofluoromethane	ug/L	ND	20	24.0	120	70-148	
Vinyl acetate	ug/L	ND	40	45.8	115	49-151	
Vinyl chloride	ug/L	ND	20	23.6	118	70-156	
Xylene (Total)	ug/L	ND	60	67.0	112	63-158	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				92	70-130	

SAMPLE DUPLICATE: 4772697

Parameter	Units	92790632021 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

SAMPLE DUPLICATE: 4772697

Parameter	Units	92790632021 Result	Dup Result	RPD	Qualifiers
2-Hexanone	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Acrylonitrile	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		v2
Carbon disulfide	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Iodomethane	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	103	100		
4-Bromofluorobenzene (S)	%	94	99		
Toluene-d8 (S)	%	106	100		

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 927030
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163010, 92787163011

METHOD BLANK: 4761668 Matrix: Water
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163010, 92787163011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	0.021	04/03/25 15:24	
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	04/03/25 15:24	
1-Chloro-2-bromopropane (S)	%	126	60-140	04/03/25 15:24	

LABORATORY CONTROL SAMPLE & LCSD: 4761669 4761670

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.26	0.30	0.30	117	115	60-140	2	20	
1,2-Dibromoethane (EDB)	ug/L	0.26	0.32	0.31	122	119	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				127	129	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4761672 4761673

Parameter	Units	92787163002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	0.26	0.26	0.30	0.28	115	107	60-140	8	
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.32	0.29	123	111	60-140	10	
1-Chloro-2-bromopropane (S)	%						131	119	60-140		

SAMPLE DUPLICATE: 4761671

Parameter	Units	92787163001 Result	Dup Result	RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	113	114		

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 929301
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92790600001

METHOD BLANK: 4774034 Matrix: Water
Associated Lab Samples: 92790600001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	0.020	04/15/25 22:40	
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	04/15/25 22:40	
1-Chloro-2-bromopropane (S)	%	106	60-140	04/15/25 22:40	

LABORATORY CONTROL SAMPLE & LCSD: 4774035 4774036

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	0.24	106	96	60-140	9	20	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.28	0.25	112	102	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				109	100	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4774038 4774039

Parameter	Units	92790727014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	0.25	0.25	0.27	0.27	108	109	60-140	1	
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.27	0.27	110	109	60-140	0	
1-Chloro-2-bromopropane (S)	%						108	109	60-140		

SAMPLE DUPLICATE: 4774037

Parameter	Units	92790727013 Result	Dup Result	RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	90	96		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 928880
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163010, 92787163011

METHOD BLANK: 4772073 Matrix: Water
Associated Lab Samples: 92787163001, 92787163002, 92787163003, 92787163004, 92787163005, 92787163006, 92787163007, 92787163008, 92787163009, 92787163010, 92787163011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	2.0	04/15/25 21:23	
Arsenic	ug/L	ND	10.0	04/15/25 21:23	
Barium	ug/L	ND	5.0	04/15/25 21:23	
Beryllium	ug/L	ND	1.0	04/15/25 21:23	
Cadmium	ug/L	ND	1.0	04/15/25 21:23	
Chromium	ug/L	ND	5.0	04/15/25 21:23	
Cobalt	ug/L	ND	5.0	04/15/25 21:23	
Copper	ug/L	ND	5.0	04/15/25 21:23	
Lead	ug/L	ND	5.0	04/15/25 21:23	
Nickel	ug/L	ND	5.0	04/15/25 21:23	
Selenium	ug/L	ND	10.0	04/15/25 21:23	
Silver	ug/L	ND	5.0	04/15/25 21:23	
Thallium	ug/L	ND	0.50	04/15/25 21:23	
Vanadium	ug/L	ND	5.0	04/15/25 21:23	
Zinc	ug/L	ND	10.0	04/15/25 21:23	

LABORATORY CONTROL SAMPLE: 4772074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	100	94.4	94	80-120	
Arsenic	ug/L	100	84.9	85	80-120	
Barium	ug/L	100	98.0	98	80-120	
Beryllium	ug/L	100	94.1	94	80-120	
Cadmium	ug/L	100	95.5	95	80-120	
Chromium	ug/L	100	101	101	80-120	
Cobalt	ug/L	100	103	103	80-120	
Copper	ug/L	100	108	108	80-120	
Lead	ug/L	100	97.3	97	80-120	
Nickel	ug/L	100	101	101	80-120	
Selenium	ug/L	100	89.1	89	80-120	
Silver	ug/L	100	97.4	97	80-120	
Thallium	ug/L	100	97.5	98	80-120	
Vanadium	ug/L	100	99.3	99	80-120	
Zinc	ug/L	100	99.4	99	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4772075 4772076

Parameter	Units	92787163009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony	ug/L	ND	100	100	97.3	95.8	97	96	75-125	2	
Arsenic	ug/L	ND	100	100	94.2	92.8	94	93	75-125	2	
Barium	ug/L	52.6	100	100	150	149	98	96	75-125	1	
Beryllium	ug/L	ND	100	100	96.9	96.1	97	96	75-125	1	
Cadmium	ug/L	ND	100	100	101	99.1	101	99	75-125	2	
Chromium	ug/L	ND	100	100	99.7	98.6	99	98	75-125	1	
Cobalt	ug/L	ND	100	100	103	102	102	101	75-125	1	
Copper	ug/L	ND	100	100	109	108	108	107	75-125	1	
Lead	ug/L	ND	100	100	96.4	96.2	96	96	75-125	0	
Nickel	ug/L	ND	100	100	101	100	100	99	75-125	1	
Selenium	ug/L	ND	100	100	102	102	101	102	75-125	1	
Silver	ug/L	ND	100	100	97.1	94.8	97	95	75-125	2	
Thallium	ug/L	ND	100	100	97.1	96.9	97	97	75-125	0	
Vanadium	ug/L	ND	100	100	100	98.4	99	97	75-125	2	
Zinc	ug/L	19.7	100	100	129	127	109	108	75-125	1	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

QC Batch: 929349
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia

Associated Lab Samples: 92790600001

METHOD BLANK: 4774198 Matrix: Water

Associated Lab Samples: 92790600001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	2.0	04/17/25 14:13	
Arsenic	ug/L	ND	10.0	04/17/25 14:13	
Barium	ug/L	ND	5.0	04/17/25 14:13	
Beryllium	ug/L	ND	1.0	04/17/25 14:13	
Cadmium	ug/L	ND	1.0	04/17/25 14:13	
Chromium	ug/L	ND	5.0	04/17/25 14:13	
Cobalt	ug/L	ND	5.0	04/17/25 14:13	
Copper	ug/L	ND	5.0	04/17/25 14:13	
Lead	ug/L	ND	5.0	04/17/25 14:13	
Nickel	ug/L	ND	5.0	04/17/25 14:13	
Selenium	ug/L	ND	10.0	04/17/25 14:13	
Silver	ug/L	ND	5.0	04/17/25 14:13	
Thallium	ug/L	ND	0.50	04/17/25 14:13	
Vanadium	ug/L	ND	5.0	04/17/25 14:13	
Zinc	ug/L	ND	10.0	04/17/25 14:13	

LABORATORY CONTROL SAMPLE: 4774199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	100	97.9	98	80-120	
Arsenic	ug/L	100	102	102	80-120	
Barium	ug/L	100	97.6	98	80-120	
Beryllium	ug/L	100	97.1	97	80-120	
Cadmium	ug/L	100	97.3	97	80-120	
Chromium	ug/L	100	105	105	80-120	
Cobalt	ug/L	100	109	109	80-120	
Copper	ug/L	100	109	109	80-120	
Lead	ug/L	100	107	107	80-120	
Nickel	ug/L	100	103	103	80-120	
Selenium	ug/L	100	101	101	80-120	
Silver	ug/L	100	103	103	80-120	
Thallium	ug/L	100	105	105	80-120	
Vanadium	ug/L	100	102	102	80-120	
Zinc	ug/L	100	107	107	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4774200 4774201

Parameter	Units	92790321026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony	ug/L	ND	100	100	101	103	101	103	75-125	2	
Arsenic	ug/L	ND	100	100	99.8	98.8	99	98	75-125	1	
Barium	ug/L	459	100	100	547	563	88	104	75-125	3	
Beryllium	ug/L	ND	100	100	101	100	101	100	75-125	1	
Cadmium	ug/L	ND	100	100	101	102	101	102	75-125	1	
Chromium	ug/L	ND	100	100	102	102	100	100	75-125	0	
Cobalt	ug/L	40.4	100	100	143	141	102	100	75-125	1	
Copper	ug/L	ND	100	100	99.7	101	98	100	75-125	2	
Lead	ug/L	ND	100	100	101	104	101	103	75-125	2	
Nickel	ug/L	ND	100	100	87.0	89.1	85	87	75-125	2	
Selenium	ug/L	ND	100	100	101	98.4	100	97	75-125	2	
Silver	ug/L	ND	100	100	102	105	102	105	75-125	3	
Thallium	ug/L	ND	100	100	102	100	101	100	75-125	1	
Vanadium	ug/L	ND	100	100	103	101	101	100	75-125	1	
Zinc	ug/L	ND	100	100	102	101	100	100	75-125	0	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

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

1g	The continuing calibration verification (CCV) for this analyte is above laboratory acceptance limits. The analyte was not detected above the reporting limit in the associated sample.
IK	The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
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.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92787163001	**MW-1R**	EPA 8011	927030	EPA 8011	927076
92787163002	**MW-7R**	EPA 8011	927030	EPA 8011	927076
92787163003	**MW-6**	EPA 8011	927030	EPA 8011	927076
92787163004	**TMW-11**	EPA 8011	927030	EPA 8011	927076
92787163005	**MW-2RR**	EPA 8011	927030	EPA 8011	927076
92787163006	**MW-3**	EPA 8011	927030	EPA 8011	927076
92787163007	**MW-5**	EPA 8011	927030	EPA 8011	927076
92787163008	**MW-4R**	EPA 8011	927030	EPA 8011	927076
92787163009	**CANNONS CREEK**	EPA 8011	927030	EPA 8011	927076
92787163010	**TMW-10**	EPA 8011	927030	EPA 8011	927076
92787163011	**TMW-9**	EPA 8011	927030	EPA 8011	927076
92790600001	**MW-8**	EPA 8011	929301	EPA 8011	929497
92787163001	**MW-1R**		927364		
92787163002	**MW-7R**		927364		
92787163003	**MW-6**		927364		
92787163004	**TMW-11**		927364		
92787163005	**MW-2RR**		927364		
92787163006	**MW-3**		927364		
92787163007	**MW-5**		927364		
92787163008	**MW-4R**		927364		
92787163009	**CANNONS CREEK**		927364		
92787163010	**TMW-10**		927364		
92787163011	**TMW-9**		927364		
92790600001	**MW-8**				
92787163001	**MW-1R**	EPA 8260D	925317		
92787163002	**MW-7R**	EPA 8260D	925317		
92787163003	**MW-6**	EPA 8260D	925317		
92787163004	**TMW-11**	EPA 8260D	925317		
92787163005	**MW-2RR**	EPA 8260D	925317		
92787163006	**MW-3**	EPA 8260D	925317		
92787163007	**MW-5**	EPA 8260D	925317		
92787163008	**MW-4R**	EPA 8260D	925317		
92787163009	**CANNONS CREEK**	EPA 8260D	925317		
92787163010	**TMW-10**	EPA 8260D	926315		
92787163011	**TMW-9**	EPA 8260D	925317		
92787163012	**TRIP BLANK**	EPA 8260D	925317		
92790600001	**MW-8**	EPA 8260D	928996		
92787163001	**MW-1R**	EPA 3005A	928880	EPA 6020B	929631
92787163002	**MW-7R**	EPA 3005A	928880	EPA 6020B	929631
92787163003	**MW-6**	EPA 3005A	928880	EPA 6020B	929631
92787163004	**TMW-11**	EPA 3005A	928880	EPA 6020B	929631
92787163005	**MW-2RR**	EPA 3005A	928880	EPA 6020B	929631
92787163006	**MW-3**	EPA 3005A	928880	EPA 6020B	929631
92787163007	**MW-5**	EPA 3005A	928880	EPA 6020B	929631
92787163008	**MW-4R**	EPA 3005A	928880	EPA 6020B	929631

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CITY OF NEWBERRY LF
Pace Project No.: 92787163

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92787163009	**CANNONS CREEK**	EPA 3005A	928880	EPA 6020B	929631
92787163010	**TMW-10**	EPA 3005A	928880	EPA 6020B	929631
92787163011	**TMW-9**	EPA 3005A	928880	EPA 6020B	929631
92790600001	**MW-8**	EPA 3005A	929349	EPA 6020B	929991

Pace ANALYTICAL SERVICES	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: Alliance - Newberry

Project #: **WO#: 92787163**

92787163

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☐ No ☒ N/A

Date/Initials Person Examining Contents: MM 3/26/25

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☒ IR Gun ID: 93T090

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 4.2 Correction Factor: Add/Subtract (°C) 0.2

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.4

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?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
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: _____

Pace Analytical
www.pacelabs.com

Sample Receiving Non-Conformance Form (NCF)

Date: 3/26/25	Evaluated by: APB
Client: ALLIANCE CONSULTING ENGINEERS	

NEWBERRY

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO# 92787163

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed	✓	Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

RECEIVED AN EXTRA SAMPLE. ID: "MW-8" @ 1645 3/25/25

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised		Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

*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#: 92787163**

PM: EDB **Due Date: 04/09/25**

CLIENT: 92-Alliance

Laboratory Receiving Location: Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Alliance Consulting Profile/EZ (circle one) 3239270 Notes

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							WC										CH												
1							1										6												
2							1										6												
3							1										6												
4							1										6												
5							1										6												
6							1										6												
7							1										6												
8							1										6												
9							1										6												
10							1										6												
11							1										6												
12																	2												

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 # WO#92787163

Laboratory Receiving Location: Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client ALLIANCE Profile/EZ (Circle one) _____ Notes NEWBERRY

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							WC										CH												
1							i ✓										6												
2																													
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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):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

WO#92787163

Scan QR Code for instructions

Company Name:	Alliance Consulting Engineers, Inc.	Contact/Report To:	Courtney Brooks
Street Address:	1201 Main St Suite 2020 Columbia, SC 29202	Phone #:	864-284-1740
		E-Mail:	cbrooks@alliancece.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Newberry Co. Landfill	Invoice To:	Accounts Payable
		Invoice E-Mail:	ap@alliancece.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] 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

**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: **Eben Buchanan**
AcctNum / Client ID:
Table #:
Profile / Template: **9936**
Prelog / Bottle Ord. ID: **EZ 3239270**

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	8011 EDB/DBCP	SC App IV 8260 VOCs	SC App IV Metals 6010/6020	Trip Blank	Sample Comment	Preservation non-conformance identified for sample.
MW - 1R	WT	G	—	—	3.24.25	1049	7			3	3	1			
MW - 7R	WT	G	—	—	3.24.25	1138	7			3	3	1			
MW - 6	WT	G	—	—	3.24.25	1217	7			3	3	1			
TMW - 11	WT	G	—	—	3.24.25	1249	7			3	3	1			
MW - 2RR	WT	G	—	—	3.24.25	1301	7			3	3	1			
MW - 3	WT	G	—	—	3.24.25	1340	7			3	3	1			
MW - 5	WT	G	—	—	3.24.25	1403	7			3	3	1			
MW - 4R	WT	G	—	—	3.24.25	1426	7			3	3	1			
Cannons Creek	WT	G	—	—	3.24.25	1440	7			3	3	1			
TMW - 10	WT	G	—	—	3.24.25	1600	7			3	3	1			

Additional Instructions from Pace®:

Collected By:
(Printed Name) Chris Corbin
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	93T090	0.2	4.2	4.4	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Pace	26MAR25 / 0730	GWD	26MAR25 / 0730	
GWD	26MAR25 / 1220	SECURE AREA	26MAR25 / 1220	Delivered by: [ ] In- Person [ ] Courier
	3/26/25 1447	Michael Martin AVL	3/26/25 1447	[ ] FedEx [ ] UPS [ ] Other
	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

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

WO# 92787163

Scan QR Code for instructions

Company Name:	Alliance Consulting Engineers, Inc.	Contact/Report To:	Courtney Brooks
Street Address:	1201 Main St Suite 2020 Columbia, SC 29202	Phone #:	864-284-1740
		E-Mail:	cbrooks@alliancece.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Newberry Co. Landfill	Invoice To:	Accounts Payable
		Invoice E-Mail:	ap@alliancece.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] 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

**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: **Eben Buchanan**
AcctNum / Client ID:
Table #:
Profile / Template: **9936**
Prelog / Bottle Ord. ID: **EZ 3239270**

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	8011 EDB/DBCP	SC App IV 8260 VOCs	SC App IV Metals 6010/6020	Trip Blank	Sample Comment	Preservation non-conformance identified for sample.
TMW - 9	WT	G	—	—	3.24.25	1657	7			3	3	1			
Trip Blank	WT	G	—	—	3.24.25	1048	2						2		

Additional Instructions from Pace®:

Collected By:
(Printed Name) Chris Corbin
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	93090	0.2	4.2	4.4	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Pace	26MAR25 / 0730		26MAR25 / 0730	
GWD	26MAR25 / 1220	SECURE AREA	26MAR25 / 1220	Delivered by: [ ] In- Person [ ] Courier
	3/26/25 1447	Michael Martin AVL	3/26/25 1447	[ ] FedEx [ ] UPS [ ] Other
				Page: 2 of 2

Field Data Sheet

Client: ACE Location: Newberry Project #: Newberry LF

Name and Affiliation (Sampler(s): Chris Corbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3-24-25 By: JMM

Well Information

Well ID: MW - 1R Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 60.41 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 34.04 ft Casing Volume: 4.3 gallons

Height of Water Column: 26.37 ft Cal. 3 Volumes: 12.9 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start : 1015 Finish: 1044 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 12.9 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: 1049 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40mL Amber	HCL	App IV VOC's
1 - 250mL P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 17 Time: 1049 Turbidity (ntu): 15 Time: 1049

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 84 Time: 1049 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 5.8 Time: 1049 Odor: None Time: 1049

ReDox (mV): — Time: — Appearance: Clear Time: 1049

ReDox (EH value):YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 60 (°F) Wind 0-5 (mph)

Sampler Signature: CRC Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1024	17		84	5.9		25	4.3		
1035	17		84	5.8		23	8.6		
1044	17		84	5.8		18	12.9		

Field Data Sheet

Client: ACE Location: Newberry, SC Project #: Newberry LF

Name and Affiliation (Sampler(s)): Chris Corbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 7-24-25 By: JM

Well Information

Well ID: MW-2RR Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 59.98 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 37.41 ft Casing Volume: 3.7 gallons

Height of Water Column: 22.57 ft Cal. 3 Volumes: 11.1 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start: 1236 Finish: 1256 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 11.1 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: 1301 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / ITFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40mL Amber	HCL	App IV VOCs
1 - 250mL P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 19 Time: 1301 Turbidity (ntu): 8 Time: 1301

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 1698 Time: 1301 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 6.5 Time: 1301 Odor: Strong Time: 1301

ReDox (mV): — Time: — Appearance: Clear Time: 1301

ReDox (EH value): YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 62 (°F) Wind 0-5 (mph)

Sampler Signature: Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1242	19		1703	6.4		22	3.7		
1249	19		1695	6.5		14	7.4		
1256	19		1699	6.5		8	11.1		

Field Data Sheet

Client: ACE Location: Newberry SC Project #: Newberry LF

Name and Affiliation (Sampler(s)): Chris Corbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3-24-25 By: JM

Well Information

Well ID: MW-3 Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 38.78 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 35.74 ft Casing Volume: 0.5 gallons

Height of Water Column: 3.04 ft Cal. 3 Volumes: 1.5 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start: 1320 Finish: 1340 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 0.5 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: 1340 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40mL Amber	HCL	App IV VOC's
1 - 250mL P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 20 Time: 1340 Turbidity (ntu): 62 Time: 1340

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 599 Time: 1340 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 6.4 Time: 1340 Odor: Slight Time: 1340

ReDox (mV): — Time: — Appearance: Clear Time: 1340

ReDox (EH value): YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 63 (°F) Wind 0-5 (mph)

Sampler Signature: Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1325	20		576	6.5		21	0.5		

* Well dry @ 1 volume. Allowed to recover for samples

Field Data Sheet

Client: ACE Location: Newberry, SC Project #: Newberry LF

Name and Affiliation (Sampler(s): Chris Corbin/Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3-24-25 By: JM

Well Information

Well ID: MW-4R Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 62.47 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 30.85 ft Casing Volume: 5.2 gallons

Height of Water Column: 31.62 ft Cal. 3 Volumes: 15.6 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start: 1355 Finish: 1421 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 15.6 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: 1426 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40ml Amber	HCL	App IV VOC's
1 - 250ml P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 19 Time: 1426 Turbidity (ntu): 2 Time: 1426

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 873 Time: 1426 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 6.8 Time: 1426 Odor: Slight Time: 1426

ReDox (mV): — Time: — Appearance: Clear Time: 1426

ReDox (EH value): YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 63 (°F) Wind 0-5 (mph)

Sampler Signature: CC Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1403	19		858	6.8		12	5.2		
1412	19		871	6.8		3	10.4		
1421	19		873	6.8		1	15.6		

Field Data Sheet

Client: ACE Location: City of Newberry LF Project #: SA Groundwater

Name and Affiliation (Sampler(s): Trey Jenkins / Pace

Name and Affiliation (Inspector): NA

Field Data Sheet Review:
Date: 3.26.25 By: CC

Well Information

Well ID: MW-5 Well Locked: (YES / NO / Flushmount)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel) Screen Unknown

Total Well Depth: 33.81 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 20.71 ft Casing Volume: 2.14 gallons

Height of Water Column: 13.10 ft Cal. 3 Volumes: NA gallons

Pump Intake: NA ft

Purge Information

Date Purged: 03 / 24 / 25 Start: 1327 Finish: 1333 Purge Rate: NA

Purging Method: Disp. Bailer Total Volume Purged: 2.2 (gallons/mls/L)

Sampling Information

Date Collected: 03/24/25 Time Collected: 1403 (am/pm)

Sampling Equipment Used: Disp Bailer Instrument ID: YSI-5335, IHS-8195

Bottle Type	Preservation	Analysis Required
(6) 40ml Amber Vial	HCL	SCDES Appl IV VOCs
(1) 250ml P	HNO_3	SCDES App IV Metals

Field Measurements/Observations

Sample Temp (°C): 17 Time: 1403 Turbidity (ntu): 7.3 Time: 1403

~~Diss Oxy (mg/L):~~ ~~Time:~~ ~~Fe 2+ mg/L:~~ ~~Time:~~

Specific Cond. (uS): 89 Time: 1403 ~~Res. Cl (mg/L)/(µg/L):~~ ~~Time:~~

Sample pH (s.u.): 5.6 Time: 1403 Odor: None Time: 1403

~~ReDox (mV):~~ ~~Time:~~ Appearance: Time:

~~ReDox (EH value): YSI ProPlus +200mV~~ Other: No solids / sediment Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 64 (°F) Wind 5-10 (mph)

Sampler Signature: J.T. Jenkins, III Date: 03/24/25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls/L)	Water level (ft)	Other
1333	17		103	5.6		191	2.2 (TD)		

Field Data Sheet

Client: ACE Location: Newberry, SC Project #: Newberry LF

Name and Affiliation (Sampler(s)): Chris Corbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3-24-25 By: MM

Well Information

Well ID: MW-6 Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 27.25 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 22.18 ft Casing Volume: 0.8 gallons

Height of Water Column: 5.07 ft Cal. 3 Volumes: 2.4 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start: 1158 Finish: 1212 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 2.4 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: 1217 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40ml Amber	HCL	App IV VOC's
1 - 250ml P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 18 Time: 1217 Turbidity (ntu): 8 Time: 1217

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 610 Time: 1217 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 6.2 Time: 1217 Odor: Slight Time: 1217

ReDox (mV): — Time: — Appearance: Clear Time: 1217

ReDox (EH value): YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 59 (°F) Wind 0.5 (mph)

Sampler Signature: CoC Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1202	18		587	6.1		6	0.8		
1207	18		607	6.2		8	1.6		
1212	18		611	6.2		7	2.4		

Field Data Sheet

Client: ACE Location: Newberry, SC Project #: Newberry LF

Name and Affiliation (Sampler(s): Chris Corbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3-24-25 By: JM

Well Information

Well ID: MW-7R Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 60.41 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 33.40 ft Casing Volume: 4.4 gallons

Height of Water Column: 27.01 ft Cal. 3 Volumes: 13.2 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 24 / 25 Start: 1104 Finish: ~~1033~~ 1133 Purge Rate: N/A

Purging Method: Disp. Bailer Total Volume Purged: 13.2 (gallons/mls)

Sampling Information

Date Collected: 3 / 24 / 25 Time Collected: ~~1038~~ 1138 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2246 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40ml Amber	HCL	App IV VOC's
1 - 250ml P	HNO3	App IV Metals

Field Measurements/Observations

Sample Temp (°C): 17 Time: ~~1038~~ 1138 Turbidity (ntu): <1 Time: 1038

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 126 Time: 1038 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 6.0 Time: 1038 Odor: Slight Time: 1038

ReDox (mV): — Time: — Appearance: Clear Time: 1038

ReDox (EH value):YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 59 (°F) Wind 0-5 (mph)

Sampler Signature: C. C. Date: 3.24.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1114	17		119	6.1		14	4.4		
1123	17		128	6.0		3	8.8		
1033	17		125	6.0		<1	13.2		

Field Data Sheet

Client: ACE Location: Newberry, SC Project #: Newberry LF

Name and Affiliation (Sampler(s): Chris Carbin / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3/31/25 By: JR

Well Information

Well ID: MW-8 Well Locked: (YES / NO)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 71.84 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 33.63 ft Casing Volume: 6.2 gallons

Height of Water Column: 38.21 ft Cal. 3 Volumes: 18.6 gallons

Pump Intake: N/A ft

Purge Information

Date Purged: 3 / 25 / 25 Start: 1600 Finish: 1640 Purge Rate: N/A

Purging Method: Disp Bailer Total Volume Purged: 18.6 (gallons/mls)

Sampling Information

Date Collected: 3 / 25 / 25 Time Collected: 1645 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI 2244 / HFS 2246

Bottle Type	Preservation	Analysis Required
6 - 40mL Amber	HCL	App VOCs
1 - 250mL P	HNO3	App Metals

Field Measurements/Observations

Sample Temp (°C): 19 Time: 1645 Turbidity (ntu): 12 Time: 1645

Diss Oxy (mg/L): — Time: — Fe 2+ mg/L: — Time: —

Specific Cond. (uS): 232 Time: 1645 Res. Cl (mg/L)/(µg/L): — Time: —

Sample pH (s.u.): 5.7 Time: 1645 Odor: None Time: 1645

ReDox (mV): — Time: — Appearance: Clear Time: 1645

ReDox (EH value): YSI ProPlus +200mV Other: Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 75 (°F) Wind 0-5 (mph)

Sampler Signature: CRC Date: 3.25.25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls)	Water level (ft)	Other
1613	19		225	5.7		29	6.2		
1626	19		228	5.7		24	12.4		
1640	19		233	5.7		12	18.6		

Pace Analytical	Document Name: Field data Sheet	Date Issued: March 8, 2019 Page: 1 of 1
	Document Number: F-CAR-FLD-001-rev.03	Issuing Authority: Pace Huntersville Quality Office

Field Data Sheet

Client: ACE Location: City of Newberry LF Project #: SA Groundwater

Name and Affiliation (Sampler(s): Trey Jenkins / Pace

Name and Affiliation (Inspector): NA

Field Data Sheet Review:
Date: 3.26.25 By: CC

Well Information

Well ID: TMW-9 Well Locked: (YES / NO / Flushmount)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 71.0 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 46.78 ft Casing Volume: 4 gallons

Height of Water Column: 24.22 ft Cal. 3 Volumes: 12.0 gallons

Pump Intake: NA ft

Purge Information

Date Purged: 03 / 24 / 25 Start: 1625 Finish: 1654 Purge Rate: NA

Purging Method: Disp. Bailer Total Volume Purged: 12.0 (gallons/mls/L)

Sampling Information

Date Collected: 03 / 24 / 25 Time Collected: 1657 (am/pm)

Sampling Equipment Used: Disp. Bailer Instrument ID: YSI-5335, HFS-8195

Bottle Type	Preservation	Analysis Required
(6) 40ml Amber Vial	HCL	SCDES App IV VOCs
(1) 250ml P	HNO_3	SCDES App IV Metals
/	/	/

Field Measurements/Observations

Sample Temp (°C): 19 Time: 1657 Turbidity (ntu): 1.6 Time: 1657

~~Diss Oxy (mg/L):~~ Time: ~~Fe 2+ mg/L:~~ Time:

Specific Cond. (uS): 708 Time: 1657 ~~Res. Cl (mg/L)/(µg/L):~~ Time:

Sample pH (s.u.): 5-9 Time: 1657 Odor: slight Time: 1657

~~ReDox (mV):~~ Time: Appearance: clear Time:

~~ReDox (EH value): YSI ProPlus +200mV~~ Other: no solid, Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 67 (°F) Wind 3-5 (mph)

Sampler Signature: J.R. Jenkins, PE Date: 3-24-25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls/L)	Water level (ft)	Other
1633	19	/	704	5.9	/	<1	4	/	/
1644	19	/	707	5.9	/	<1	8	/	/
1654	19	/	709	6.0	/	<1	12	/	/
		/			/			/	/
		/			/			/	/

Pace Analytical	Document Name: Field data Sheet	Date Issued: March 8, 2019 Page: 1 of 1
	Document Number: F-CAR-FLD-001-rev.03	Issuing Authority: Pace Huntersville Quality Office

Field Data Sheet

Client: ACE Location: City of Newberry LF Project #: SA Groundwater

Name and Affiliation (Sampler(s): Trey Jenkins / Pace

Name and Affiliation (Inspector): NA

Field Data Sheet Review:
Date: 3.26.25 By: CC

Well Information

Well ID: TMW-10 Well Locked: (YES / NO / Flushmount)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: 43.88 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 17.49 ft Casing Volume: 4.3 gallons

Height of Water Column: 26.39 ft Cal. 3 Volumes: 12.9 gallons

Pump Intake: NA ft

Purge Information

Date Purged: 03 / 24 / 25 Start : 1529 Finish: 1557 Purge Rate: NA

Purging Method: Disp. Bailer Total Volume Purged: 12.9 (gallons/mls/L)

Sampling Information

Date Collected: 03 /24/ 25 Time Collected: 1600 (am/pm)

Sampling Equipment Used: Disp Bailer Instrument ID: VST-5335, HFS-8195

Bottle Type	Preservation	Analysis Required
(6) 40ml Amber Vial	HCL	SCDES Appl IV VOCs
(1) 250ml P	HNO_3	SCDES App IV Metals

Field Measurements/Observations

Sample Temp (°C): 19 Time: 1600 Turbidity (ntu): 2.0 Time: 1600

~~Diss Oxy (mg/L):~~ ~~Time:~~ ~~Fe 2+ mg/L:~~ ~~Time:~~

Specific Cond. (uS): 271 Time: 1600 ~~Res. Cl (mg/L)/(µg/L):~~ ~~Time:~~

Sample pH (s.u.): 5.7 Time: 1600 Odor: Time: 1600

~~ReDox (mV):~~ ~~Time:~~ Appearance: clear Time: /

~~ReDox (EH value): YSI ProPlus +200mV~~ Other: No solids Time:

General/Weather Observations:

(sunny/cloudy/rainy) Temp. 60 (°F) Wind 3-5 (mph)

Sampler Signature: J. Jenkins #2 Date: 03/24/25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls/L)	Water level (ft)	Other
1539	19		267	5.7		2.7	4.3		
1549	19		272	5.7		2.1	8.6		
1557	19		270	5.7		3.6	12.9		

Pace Analytical	Document Name: Field data Sheet	Date Issued: March 8, 2019 Page: 1 of 1
	Document Number: F-CAR-FLD-001-rev.03	Issuing Authority: Pace Huntersville Quality Office

Field Data Sheet

Client: ACE Location: City of Newberry LF Project #: SA Groundwater

Name and Affiliation (Sampler(s)): Trey Jenkins / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3.26.25 By: CC

Well Information

Well ID: TMW-11 Well Locked: (YES / NO / Flushmount)

Well Diameter: 2.0 Construction: (PVC/Steel/Stainless Steel) 10' Screen

Total Well Depth: 30.76 ft Multi Factor*: 0.163 [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: 21.76 ft Casing Volume: 1.47 gallons 5,604ml

Height of Water Column: 9.0 ft Cal. 3 Volumes: 4.5 gallons

Pump Intake: 27 ft

Purge Information

Date Purged: 03 / 24 / 25 Start: 1229 Finish: 1244 Purge Rate: —

Purging Method: Peristaltic Pump Total Volume Purged: 7,300 (gallons/mls/L)

Sampling Information

Date Collected: 03 /24/ 25 Time Collected: 1249 (am/pm)

Sampling Equipment Used: Peristaltic Pump Instrument ID: YSI-5335, HFS-8195

Bottle Type	Preservation	Analysis Required
(6) 40ml Amber Vial	HCL	SCDES Appx IV VOCs
(1) 250ml P	HNO_3	SCDES Appx IV Metals

Field Measurements/Observations

Sample Temp (°C): 17 Time: 1249 Turbidity (ntu): 1.8 Time: 1249

~~Diss Oxy (mg/L):~~ ~~Time:~~ ~~Fe 2+ mg/L:~~ ~~Time:~~

Specific Cond. (uS): 69 Time: 1249 ~~Res. Cl (mg/L)/(µg/L):~~ ~~Time:~~

Sample pH (s.u.): 5.2 Time: 1249 Odor: none Time: 1249

~~ReDox (mV):~~ ~~Time:~~ Appearance: clear Time:

~~ReDox (EH value):YSI ProPlus +200mV~~ Other: no solids / sediment Time:

General/Weather Observations: Water Level within screened interval / N/A

(sunny/cloudy/rainy) Temp. 63 (°F) Wind 5-10 (mph)

Sampler Signature: J. Jenkins, III Date: 03/24/25

Stabilization Test

Time Purged	Temp. (°C)	Diss Oxy. (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls/L)	Water level (ft)	Other
1234	17		69	5.2		4.6	1,900		300
1239	17		70	5.2		4.0	3,700		360
1244	17		70	5.2		2.8	5,500		360

Field Data Sheet

Client: ACE Location: City of Newberry LF Project #: SA Groundwater

Name and Affiliation (Sampler(s): Trey Jenkins / Pace

Name and Affiliation (Inspector): N/A

Field Data Sheet Review:
Date: 3.26.25 By: CC

Well Information

Well ID: Cannons Creek Well Locked: (YES / NO / Flushmount)

Well Diameter: _____ Construction: (PVC/Steel/Stainless Steel)

Total Well Depth: _____ ft Multi Factor*: _____ [*(Radius/12)2 x 3.14 x 7.48]

Static Water Level: _____ ft Casing Volume: _____ gallons

Height of Water Column: _____ ft Cal. 3 Volumes: _____ gallons

Pump Intake: _____ ft

Purge Information

Date Purged: 03 / 24 / 25 Start : _____ Finish: _____ Purge Rate: _____

Purging Method: _____ Total Volume Purged: _____ (gallons/mls/L)

Sampling Information

Date Collected: 03 / 24 / 25 Time Collected: 1440 (am/pm)

Sampling Equipment Used: Grab Instrument ID: YSI-5335, HFS-8195

Bottle Type	Preservation	Analysis Required
(6) 40ml Amber Vial	HCL	SCDES Appx IV VOCs
(1) 250ml P	HNO_3	SCDES Appx IV Metals

Field Measurements/Observations

Sample Temp (°C): 16 Time: 1440 Turbidity (ntu): 11.5 Time: 1440

~~Diss Oxy (mg/L):~~ _____ ~~Time:~~ _____ ~~Fe 2+ mg/L:~~ _____ ~~Time:~~ _____

Specific Cond. (uS): 105 Time: 1440 ~~Res. Cl (mg/L)/(µg/L):~~ _____ ~~Time:~~ _____

Sample pH (s.u.): 6.5 Time: 1440 Odor: none Time: 1440

~~ReDox (mV):~~ _____ ~~Time:~~ _____ Appearance: clear Time: /

~~ReDox (EH value): YSI ProPlus +200mV~~ _____ Other: no solids/sediment Time: _____

General/Weather Observations: Rain event occurred between 8 & 10am

_____ (sunny/cloudy/rainy) Temp. 68 (°F) Wind 3-5 (mph)

Sampler Signature: J.N. Jenkins III Date: 03/24/25

Stabilization Test

Time Purged	Temp. (°C)	~~Diss Oxy.~~ (mg/L)	Spec. Cond. (uS)	pH (s.u.)	ReDox (mV)	Turbidity (ntu)	Volume removed (gallons/mls/L)	Water level (ft)	Other

Pace Analytical	Document Name: Water Level Data Report	Issued Date: April 15, 2014
	Document No.: F-GWD-F-005-rev.00	Issuing Authorities: Pace Greenwood Quality Office

Water Level Data Report

Client: Alliance Consulting Engineers

Location: Newberry Landfill Date: 3/24/2025

Well Identification	Top of Casing Elevation	Water Level		Product Level		Product Thickness	Comments
		Depth	Elevation	Depth	Elevation		
MW-1R	504.92	34.04	470.88				
MW-2RR	459.82	37.41	422.41				
MW-3	453.92	35.74	418.18				
MW-4R	441.55	30.85	410.70				
MW-5	420.12	20.71	399.41				
MW-6	440.55	22.18	418.37				
MW-7R	457.34	33.40	423.94				
MW-8	443.39	33.63	409.76				
TMW-9	457.58	46.78	410.80				
TMW-10	415.07	17.49	397.58				
TMW-11	NA	21.76	NA				
TMW-12	468.18	NA	NA				obstruction @1.8ft
TMW-13	409.25	NA	395.89				TD=18.25 (obs)

Personnel

Employee Name	Employee Number	Arrival Time	Departure Time	Arrival Time	Departure Time	Travel Time In Hours	Total Time
Trey Jenkins							

Equipment and Supplies Used

TMW-11: Pad damaged by logging activities. The inner casing has been bent app 1.5ft below TOC.

A 3/4" OD disposable bailer was used to purge and sample well.

APPENDIX B
STATISTICAL ANALYSIS RESULTS

Skewness Coefficient

Parameter: Barium, Total

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	174.862	117.551	**2.3225**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	2426.62	1271.72	-0.855751
MW-3	29	570.759	526.342	**1.36892**
MW-4R	29	640.552	165.483	**-1.72189**
MW-5	29	255	383.537	**3.43602**
MW-6	29	314.345	233.151	0.706642
MW-7R	29	221.469	129.052	0.909586
MW-8	29	217.897	76.6571	-0.453729
TMW-09	29	931.828	272.025	**-2.02234**
TMW-10	29	250.241	94.6454	0.894165
TMW-13	29	245.276	457.994	**2.91271**
TMW-11	12	284.908	406.069	**2.04289**

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	557.811	774.106	**2.60327**

Skewness Coefficient

Parameter: Barium, Total

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	4.97838	0.66069	**-1.25541**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	7.37296	1.3421	**-2.09569**
MW-3	29	5.39608	1.8789	-0.761189
MW-4R	29	6.3436	0.756659	**-4.63877**
MW-5	29	5.0357	0.920161	0.482623
MW-6	29	5.09728	1.52367	-0.99708
MW-7R	29	5.15175	0.868956	**-1.77615**
MW-8	29	5.26646	0.622704	**-3.06225**
TMW-09	29	6.68037	0.871685	**-4.07468**
TMW-10	29	5.3951	0.662031	**-3.14326**
TMW-13	29	4.19538	1.66628	0.333463
TMW-11	12	4.96274	1.21187	0.0879906

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	5.51671	1.42038	-0.54917

Skewness Coefficient

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	3	1	0	Div 0

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	3	2.86667	1.95533	0.155453
MW-3	3	1	0	Div 0
MW-4R	3	1	0	Div 0
MW-5	3	1	0	Div 0
MW-6	3	1	0	Div 0
MW-7R	3	1.2	0.34641	0.707107
MW-8	3	1	0	Div 0
TMW-09	3	1	0	Div 0
TMW-10	3	1	0	Div 0
TMW-11	3	1	0	Div 0
TMW-13	3	1	0	Div 0

All Locations

Obs.	Mean	Std. Dev.	Skewness
36	1.17222	0.704926	4.58537

Skewness Coefficient

Parameter: Cadmium

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	3	-0.693147	0	**Div 0**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	3	0.62978	1.18381	-0.510887
MW-3	3	-0.693147	0	**Div 0**
MW-4R	3	-0.693147	0	**Div 0**
MW-5	3	-0.693147	0	**Div 0**
MW-6	3	-0.693147	0	**Div 0**
MW-7R	3	-0.30543	0.671545	0.707107
MW-8	3	-0.693147	0	**Div 0**
TMW-09	3	-0.693147	0	**Div 0**
TMW-10	3	-0.693147	0	**Div 0**
TMW-11	3	-0.693147	0	**Div 0**
TMW-13	3	-0.693147	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
36	-0.550594	0.49784	**3.41278**

Skewness Coefficient

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	4	5	0	**Div 0**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	4	14	2.39305	0.988359
MW-3	4	40.225	15.4836	0.420266
MW-4R	4	8.575	0.745542	0.109717
MW-5	4	5	0	**Div 0**
MW-6	4	19.55	8.10535	-0.932305
MW-7R	4	5	0	**Div 0**
MW-8	4	5	0	**Div 0**
TMW-09	4	5	0	**Div 0**
TMW-10	4	5	0	**Div 0**
TMW-11	4	5	0	**Div 0**
TMW-13	4	5	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
48	10.1958	11.1321	**2.88504**

Skewness Coefficient

Parameter: Cobalt

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	4	0.916291	0	**Div 0**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	4	2.62894	0.16091	0.932881
MW-3	4	3.63811	0.390947	-0.062852
MW-4R	4	2.14602	0.0869501	0.00901788
MW-5	4	0.916291	0	**Div 0**
MW-6	4	2.87724	0.555952	**-1.06678**
MW-7R	4	0.916291	0	**Div 0**
MW-8	4	0.916291	0	**Div 0**
TMW-09	4	0.916291	0	**Div 0**
TMW-10	4	0.916291	0	**Div 0**
TMW-11	4	0.916291	0	**Div 0**
TMW-13	4	0.916291	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
48	1.55172	0.977418	**1.33225**

Skewness Coefficient

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	4	11.25	2.5	**1.1547**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	4	74.025	69.9954	**1.08808**
MW-3	4	17.575	13.2872	**1.11907**
MW-4R	4	10	0	**Div 0**
MW-5	4	10.575	1.15	**1.1547**
MW-6	4	11.55	1.28193	-0.276256
MW-7R	4	10	0	**Div 0**
MW-8	4	10	0	**Div 0**
TMW-09	4	14.625	2.53295	-0.429656
TMW-10	4	10	0	**Div 0**
TMW-11	4	21.575	13.4334	0.0300215
TMW-13	4	10	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
48	17.5979	25.3948	**5.49569**

Skewness Coefficient

Parameter: Zinc

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	4	1.88409	0.549306	**1.1547**

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	4	4.0258	0.812909	0.80788
MW-3	4	2.34944	0.958637	0.549487
MW-4R	4	1.60944	0	**Div 0**
MW-5	4	1.83448	0.450081	**1.1547**
MW-6	4	2.26867	0.444169	**-1.08498**
MW-7R	4	1.60944	0	**Div 0**
MW-8	4	1.60944	0	**Div 0**
TMW-09	4	2.67074	0.181747	-0.569737
TMW-10	4	1.60944	0	**Div 0**
TMW-11	4	2.55462	1.09216	0.00415791
TMW-13	4	1.60944	0	**Div 0**

All Locations

Obs.	Mean	Std. Dev.	Skewness
48	2.13625	0.838785	**1.72444**

Skewness Coefficient

Parameter: pH, field

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	3.81276	2.8345	-0.608209

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	4.04586	2.99335	-0.640095
MW-3	29	3.87448	3.08859	-0.485473
MW-4R	29	4.41621	3.26361	-0.646999
MW-5	29	3.76966	2.7908	-0.63555
MW-6	29	3.99241	2.95723	-0.633257
MW-7R	29	3.94	2.91618	-0.637469
MW-8	29	3.74448	2.82012	-0.50204
TMW-09	29	3.80034	2.81095	-0.642073
TMW-10	29	3.68966	2.72685	-0.646815
TMW-13	29	1.17379	2.33909	**1.44793**
TMW-11	12	4.84167	1.55064	**-2.8374**

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	3.70281	2.91234	-0.45308

Skewness Coefficient

Parameter: pH, field

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	1.15238	0.852643	-0.639263

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	1.19229	0.880863	-0.648886
MW-3	29	1.13621	0.904498	-0.493691
MW-4R	29	1.24995	0.923094	-0.651319
MW-5	29	1.14584	0.846734	-0.647361
MW-6	29	1.1833	0.874571	-0.646447
MW-7R	29	1.17484	0.868082	-0.648026
MW-8	29	1.1383	0.844624	-0.618475
TMW-09	29	1.15133	0.850585	-0.649046
TMW-10	29	1.13216	0.836186	-0.650769
TMW-13	29	0.359109	0.715566	**1.4474**
TMW-11	12	1.52427	0.483005	**-2.94862**

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	1.108	0.866551	-0.489311

Skewness Coefficient

Parameter: Specific Conductivity, Field

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	57.2759	46.257	-0.394732

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	979.241	815.249	-0.181387
MW-3	29	438.793	377.561	-0.0845328
MW-4R	29	599.862	459.585	-0.441869
MW-5	29	64.7241	50.4699	-0.341917
MW-6	29	341.517	288.614	0.150207
MW-7R	29	147.345	156.595	**2.04565**
MW-8	29	143.724	109.601	-0.464332
TMW-09	29	394.517	303.909	-0.470094
TMW-10	29	168.207	124.592	-0.632919
TMW-13	29	35	66.4987	**1.65347**
TMW-11	12	66.3333	62.9969	**2.59127**

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	297.68	426.176	**1.9446**

Skewness Coefficient

Parameter: Specific Conductivity, Field

Natural Logarithm Transformation

Non-Detects Replaced with 1/2 DL

Skewness > 1 indicates positively skewed data
Skewness < -1 indicates negatively skewed data

Background Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-1R	29	2.80527	2.23322	-0.493444

Compliance Locations

Location	Obs.	Mean	Std. Dev.	Skewness
MW-2RR	29	4.7117	3.52034	-0.594386
MW-3	29	4.04878	3.22954	-0.481939
MW-4R	29	4.45869	3.29497	-0.647177
MW-5	29	2.99428	2.21846	-0.632156
MW-6	29	4.06554	3.01316	-0.628962
MW-7R	29	3.47978	2.59114	-0.596108
MW-8	29	3.52401	2.60504	-0.64525
TMW-09	29	4.17796	3.09125	-0.640594
TMW-10	29	3.63419	2.68347	-0.65225
TMW-13	29	1.1937	2.15682	**1.2196**
TMW-11	12	3.77526	1.27901	**-2.17629**

All Locations

Obs.	Mean	Std. Dev.	Skewness
331	3.56201	2.88494	-0.288707

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Barium, Total

Location: MW-4R

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 2
Non detect rank is 1.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	6/21/2010	90	5
	12/1/2010	161	19
	2/6/2012	200	26
	8/30/2012	610	38
	2/21/2013	140	15
	8/29/2013	72	3
	2/4/2014	131	12
	11/3/2014	ND<25	1.5
	2/3/2015	100	6
	7/27/2015	180	23
	2/11/2016	170	20
	8/17/2016	88	4
	3/24/2017	170	21
	11/6/2017	450	31
	3/28/2018	170	22
	9/21/2018	250	27
	3/8/2019	370	28
	9/26/2019	185	24
	3/19/2020	132	14
	9/23/2020	148	17
	3/19/2021	131	13
	9/29/2021	110	7
	3/28/2022	126	9
	12/26/2022	190	25
	3/20/2023	127	10
	9/21/2023	116	8
	3/27/2024	158	18
	9/24/2024	127	11
	3/24/2025	144	16
MW-4R	6/21/2010	800	54
	12/1/2010	846	57
	2/6/2012	800	55
	8/30/2012	790	52
	2/21/2013	440	30
	8/29/2013	610	39
	2/4/2014	711	49
	11/3/2014	ND<25	1.5
	2/3/2015	590	35
	7/27/2015	620	41
	2/11/2016	810	56
	8/17/2016	656	45
	3/24/2017	660	46
	11/6/2017	630	42
	3/28/2018	600	36

9/21/2018	630	43
3/8/2019	430	29
9/26/2019	601	37
3/19/2020	479	32
9/23/2020	797	53
3/19/2021	732	51
9/29/2021	870	58
3/28/2022	722	50
12/26/2022	699	48
3/20/2023	557	34
9/21/2023	615	40
3/27/2024	519	33
9/24/2024	650	44
3/24/2025	687	47

The Wilcoxon Statistic is 802.5
The Expected value is is 420.5
The Standard Deviation is 64.3033
The Z Score is 5.93282
The Standard Deviation adjusted for ties is 64.3023
The Z Score adjusted for ties is 5.93291
5.93282 > 2.326 indicating statistical significance at 1% level
5.93291 > 2.326 indicating statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Barium, Total

Location: TMW-09

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 2
Non detect rank is 1.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	6/21/2010	90	5
	12/1/2010	161	19
	2/6/2012	200	27
	8/30/2012	610	32
	2/21/2013	140	15
	8/29/2013	72	3
	2/4/2014	131	12
	11/3/2014	ND<25	1.5
	2/3/2015	100	6
	7/27/2015	180	23
	2/11/2016	170	20
	8/17/2016	88	4
	3/24/2017	170	21
	11/6/2017	450	30
	3/28/2018	170	22
	9/21/2018	250	28
	3/8/2019	370	29
	9/26/2019	185	24
	3/19/2020	132	14
	9/23/2020	148	17
	3/19/2021	131	13
	9/29/2021	110	7
	3/28/2022	126	9
	12/26/2022	190	26
	3/20/2023	127	10
	9/21/2023	116	8
	3/27/2024	158	18
	9/24/2024	127	11
	3/24/2025	144	16
TMW-09	6/21/2010	580	31
	12/1/2010	742	33
	2/6/2012	1070	49
	8/30/2012	1010	44
	2/21/2013	770	34
	8/29/2013	800	35
	2/4/2014	894	37
	11/3/2014	ND<25	1.5
	2/3/2015	810	36
	7/27/2015	1100	51
	2/11/2016	910	38
	8/17/2016	965	40
	3/24/2017	186	25
	11/6/2017	1200	57
	3/28/2018	950	39

9/21/2018	990	42
3/8/2019	990	43
9/26/2019	1030	45
3/19/2020	981	41
9/23/2020	1170	56
3/19/2021	1030	46
9/29/2021	1100	52
3/28/2022	1100	53
12/26/2022	1040	47
3/20/2023	1070	50
9/21/2023	1040	48
3/27/2024	1110	54
9/24/2024	1240	58
3/24/2025	1120	55

The Wilcoxon Statistic is 805.5
The Expected value is is 420.5
The Standard Deviation is 64.3033
The Z Score is 5.97947
The Standard Deviation adjusted for ties is 64.3023
The Z Score adjusted for ties is 5.97957
5.97947 > 2.326 indicating statistical significance at 1% level
5.97957 > 2.326 indicating statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: MW-3

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
MW-3	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: MW-4R

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
MW-4R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: MW-5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
MW-5	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: MW-6

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
MW-6	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: MW-8

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
MW-8	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: TMW-09

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
TMW-09	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: TMW-10

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
TMW-10	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cadmium

Location: TMW-11

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5
TMW-11	3/27/2024	ND<1	3.5
	9/24/2024	ND<1	3.5
	3/24/2025	ND<1	3.5

The Wilcoxon Statistic is 4.5
The Expected value is is 4.5
The Standard Deviation is 2.29129
The Z Score is -0.218218
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.218218 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: MW-5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
MW-5	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: MW-7R

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
MW-7R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: MW-8

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
MW-8	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: TMW-09

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
TMW-09	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: TMW-10

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
TMW-10	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Cobalt

Location: TMW-11

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 8
Non detect rank is 4.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5
TMW-11	9/21/2023	ND<5	4.5
	3/27/2024	ND<5	4.5
	9/24/2024	ND<5	4.5
	3/24/2025	ND<5	4.5

The Wilcoxon Statistic is 8
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.144338
The Standard Deviation adjusted for ties is 0
The Z Score adjusted for ties is -1.#INF
-0.144338 < 2.326 indicating no statistical significance at 1% level
-1.#INF < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Zinc

Location: MW-4R

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 7
Non detect rank is 4

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	15	8
MW-4R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	ND<10	4

The Wilcoxon Statistic is 6
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.721688
The Standard Deviation adjusted for ties is 2
The Z Score adjusted for ties is -1.25
-0.721688 < 2.326 indicating no statistical significance at 1% level
-1.25 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Zinc

Location: MW-5

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 6
Non detect rank is 3.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<10	3.5
	3/27/2024	ND<10	3.5
	9/24/2024	ND<10	3.5
	3/24/2025	15	8
MW-5	9/21/2023	12.3	7
	3/27/2024	ND<10	3.5
	9/24/2024	ND<10	3.5
	3/24/2025	ND<10	3.5

The Wilcoxon Statistic is 7.5
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.288675
The Standard Deviation adjusted for ties is 2.64575
The Z Score adjusted for ties is -0.377964
-0.288675 < 2.326 indicating no statistical significance at 1% level
-0.377964 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Zinc

Location: MW-7R

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 7
Non detect rank is 4

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	15	8
MW-7R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	ND<10	4

The Wilcoxon Statistic is 6
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.721688
The Standard Deviation adjusted for ties is 2
The Z Score adjusted for ties is -1.25
-0.721688 < 2.326 indicating no statistical significance at 1% level
-1.25 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Zinc

Location: MW-8

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 7
Non detect rank is 4

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	15	8
MW-8	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	ND<10	4

The Wilcoxon Statistic is 6
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.721688
The Standard Deviation adjusted for ties is 2
The Z Score adjusted for ties is -1.25
-0.721688 < 2.326 indicating no statistical significance at 1% level
-1.25 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Zinc

Location: TMW-10

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 7
Non detect rank is 4

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	15	8
TMW-10	9/21/2023	ND<10	4
	3/27/2024	ND<10	4
	9/24/2024	ND<10	4
	3/24/2025	ND<10	4

The Wilcoxon Statistic is 6
The Expected value is is 8
The Standard Deviation is 3.4641
The Z Score is -0.721688
The Standard Deviation adjusted for ties is 2
The Z Score adjusted for ties is -1.25
-0.721688 < 2.326 indicating no statistical significance at 1% level
-1.25 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: pH, field

Location: TMW-11

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 11
Non detect rank is 6

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	6/21/2010	ND<0	6
	12/1/2010	ND<0	6
	2/6/2012	ND<0	6
	8/30/2012	ND<0	6
	2/21/2013	ND<0	6
	8/29/2013	ND<0	6
	2/4/2014	ND<0	6
	11/3/2014	ND<0	6
	2/3/2015	ND<0	6
	7/27/2015	ND<0	6
	2/11/2016	6.2	40
	8/17/2016	7	41
	3/24/2017	6.05	37
	11/6/2017	6.07	38
	3/28/2018	6.15	39
	9/21/2018	5.6	24
	3/8/2019	6	35
	9/26/2019	5.3	19
	3/19/2020	5.9	34
	9/23/2020	5.7	27
	3/19/2021	5.4	20
	9/29/2021	5.7	28
	3/28/2022	5.7	29
	12/26/2022	5.8	32
	3/20/2023	5.1	15
	9/21/2023	6	36
	3/27/2024	5.4	21
	9/24/2024	5.7	30
	3/24/2025	5.8	33
TMW-11	9/26/2019	5	13
	3/19/2020	ND<0	6
	9/23/2020	5.1	16
	3/19/2021	4.8	12
	9/29/2021	5.7	31
	3/28/2022	5.6	25
	12/26/2022	5	14
	3/20/2023	5.6	26
	9/21/2023	5.4	22
	3/27/2024	5.2	17
	9/24/2024	5.5	23
	3/24/2025	5.2	18

The Wilcoxon Statistic is 145

The Expected value is is 174
The Standard Deviation is 34.8999
The Z Score is -0.845276
The Standard Deviation adjusted for ties is 34.5638
The Z Score adjusted for ties is -0.853493
-0.845276 < 2.326 indicating no statistical significance at 1% level
-0.853493 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

Wilcoxon Non-Parametric Analysis (Inter-Well)

Parameter: Specific Conductivity, Field

Location: TMW-11

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total non detects is 12
Non detect rank is 6.5

Wilcoxon Ranks

Location	Date	Conc.	Rank
MW-1R	6/21/2010	ND<0	6.5
	12/1/2010	ND<0	6.5
	2/6/2012	ND<0	6.5
	8/30/2012	ND<0	6.5
	2/21/2013	ND<0	6.5
	8/29/2013	ND<0	6.5
	2/4/2014	ND<0	6.5
	11/3/2014	ND<0	6.5
	2/3/2015	ND<0	6.5
	7/27/2015	ND<0	6.5
	2/11/2016	79	23
	8/17/2016	126	40
	3/24/2017	89	27
	11/6/2017	97	38
	3/28/2018	94	35
	9/21/2018	86	26
	3/8/2019	102	39
	9/26/2019	94	36
	3/19/2020	96	37
	9/23/2020	92	32
	3/19/2021	92	33
	9/29/2021	ND<0	6.5
	3/28/2022	92	34
	12/26/2022	89	28
	3/20/2023	91	31
	9/21/2023	79	24
	3/27/2024	90	30
	9/24/2024	89	29
	3/24/2025	84	25
TMW-11	9/26/2019	56	19
	3/19/2020	ND<0	6.5
	9/23/2020	46	13
	3/19/2021	48	15
	9/29/2021	53	18
	3/28/2022	259	41
	12/26/2022	56	20
	3/20/2023	46	14
	9/21/2023	49	16
	3/27/2024	50	17
	9/24/2024	64	21
	3/24/2025	69	22

The Wilcoxon Statistic is 144.5

The Expected value is is 174
The Standard Deviation is 34.8999
The Z Score is -0.859602
The Standard Deviation adjusted for ties is 34.4624
The Z Score adjusted for ties is -0.870514
-0.859602 < 2.326 indicating no statistical significance at 1% level
-0.870514 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

APPENDIX C
METHANE MONITORING FIELD DATA SHEETS

JUNE 28, 2024

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:50 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 1S

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:50 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 1D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

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ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:18 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 35

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:18 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 3D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

_____

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:03 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 4

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80°F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

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ALLIANCE
CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 9:52 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 55

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 9:52 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 5D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 9:40 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 65

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 90 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 9:40 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 6D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:55 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 75

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: June 28, 2024

Sampling Time: 10:55 ☒ **A.M.** ☐ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): September 24, 2024

Monitoring Point Location:

GMP 70

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 80 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☐ SUNNY ☑ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☑ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

NOVEMBER 13, 2024

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 2:25 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 1S

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 60 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Merritt

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ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 2:25 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 1D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 60 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:29 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 35

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

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ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:29 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 3D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

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ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:25 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 4

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: N/A ☒ % METHANE BY VOLUME

Notes:

GMP 4 could not be located. Likely damaged due to a falling oak tree from Hurricane Helene

Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:18 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 55

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:18 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP SD

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Rulett

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:05 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 65

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 3:05 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 6D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 62 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 2:35 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 75

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 60 °F
- General Weather Condition
  ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: November 13, 2024

Sampling Time: 2:35 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 7D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 60 °F
- General Weather Condition
  - ☐ HOT ☑ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☐ BREEZY ☑ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

DECEMBER 28, 2024

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 12:30 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 1S

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 46 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 12:30 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 1D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 46 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 2:10 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 3 S

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 52 °F
- General Weather Condition
  ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 2:10 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 3D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 52 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 1:30 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 4

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 50 °F
- General Weather Condition
  ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☐ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: N/A ☒ % METHANE BY VOLUME

Notes:

GMP 4 could not be located. Likely damaged by a fallen oak tree from Hurricane Helene.

Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 1:15 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP SS

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 50 °F
- General Weather Condition
  ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 1:15 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP SD

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 50 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 1:09 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 6 S

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 50 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 1:09 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 6D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 50 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 12:37 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 75

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 46 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: December 31, 2024

Sampling Time: 12:37 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 7D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 46 °F
- General Weather Condition
  - ☐ HOT ☐ WARM ☑ COOL ☐ COLD ☐ SNOW
  - ☑ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☑ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☑ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☑ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

MARCH 24, 2025

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:20 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 15

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:20 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 1D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 3:20 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 35

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 3:20 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 3D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 92 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 3:12 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 4

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 3:05 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 55

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 3:05 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 5D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:57 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 65

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:57 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 6D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: _____

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:25 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 75

☐ On-Site Structure
☒ Site Boundary
☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)
  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS

METHANE MONITORING FIELD DATA SHEET

Facility: Newberry County Landfill

Sampling Date: March 19, 2025

Sampling Time: 2:25 ☐ **A.M.** ☒ **P.M.**

Sampler's Name: T. Ryan Merritt

Monitoring Equipment: Gas Measurement Instruments GT 40

Equipment Calibration (By): Safety Plus, Inc.

Next Equipment Calibration (Date): October 4, 2025

Monitoring Point Location:

GMP 7D

- ☐ On-Site Structure
- ☒ Site Boundary
- ☐ Off-Site Structure

Climate and Physical Conditions:

- Ambient Temperature: 82 °F
- General Weather Condition
  - ☒ HOT ☐ WARM ☐ COOL ☐ COLD ☐ SNOW
  - ☒ SUNNY ☐ CLOUDY ☐ LIGHT RAIN ☐ HEAVY RAIN
  - ☒ BREEZY ☐ CALM
- General Soil Moisture Condition
  - ☒ DRY ☐ MOIST ☐ WET
- Condition of Surrounding Area (stressed vegetation, etc.)

  _____
- Water Present in Probe ☐ YES ☒ NO
- General Conditions of GMP
  - ☐ LOCKED ☐ SEALED ☐ CLEARLY LABELED
  - ☐ OTHER (SEVERELY RUSTED, WEAK FOUNDATION, ETC.) _____

Measurements:

- Methane: 0 ☒ % METHANE BY VOLUME

Notes:

_____

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Sampler's Signature: T Ryan Merritt

ALLIANCE CONSULTING ENGINEERS