



ANNUAL GROUNDWATER MONITORING REPORT

Former Eastgate Landfill
Bellevue, Washington

September 30, 2025

Prepared for

The Boeing Company
Seattle, Washington

Annual Groundwater Monitoring Report Former Eastgate Landfill Bellevue, Washington

This document was prepared by, or under the direct supervision of, the technical professionals noted below.

Document prepared by:  Devan Brandt, LG
Project Geologist

Document reviewed by:  Dylan Frazer, LG
Principal Geologist

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Project Coordinator: BKC/LJL

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TABLE OF CONTENTS

	Page
1.0 Introduction	1-1
1.1 Background.....	1-1
1.2 Site Description	1-2
2.0 Groundwater Monitoring Activities.....	2-1
2.1 Water Level Measurements	2-1
2.2 Groundwater Sampling	2-1
2.3 Groundwater Analysis	2-2
3.0 Groundwater Monitoring Results	3-1
3.1 Groundwater Elevations.....	3-1
3.2 Groundwater Quality.....	3-1
4.0 Scope of Continued Interim Groundwater Monitoring	4-1
5.0 Schedule and Reporting	5-1
6.0 Use of This Report.....	6-1
7.0 References	7-1

FIGURES

Figure	Title
1	Vicinity Map
2	Groundwater Monitoring Locations
3	Groundwater Elevations Contours—April 21, 2025

TABLES

Table	Title
1	Summary of Groundwater Elevations
2	Summary of Groundwater and Surface Water Analytical Results—2025 Annual and Historical Sampling Events
3	Summary of Groundwater and Surface Water Analytical Results for Detected Constituents for Last Four Consecutive Sampling Events
4	Groundwater Monitoring Scope

APPENDICES

Appendix	Title
A	Laboratory Data Reports
B	Laboratory Data Quality Evaluation

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LIST OF ABBREVIATIONS AND ACRONYMS

µg/L	micrograms per liter
Advanta	Advanta Office Holdings
bgs	below ground surface
Boeing	The Boeing Company
City	City of Bellevue
COC	chain of custody
COD	chemical oxygen demand
Ecology	Washington State Department of Ecology
EIM	Environmental Information Management
EPA	US Environmental Protection Agency
ft	feet
I-90	Interstate 90
Landau	Landau Associates, Inc.
LLI	Eurofins Lancaster Laboratories Environmental
mg/L	milligrams per liter
NFA	no further action
PVC	polyvinyl chloride
Schnitzer	Schnitzer Northwest
Site	former Eastgate Landfill
TOC	total organic carbon
VCP	Voluntary Cleanup Program
VOCs	volatile organic compounds

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1.0 INTRODUCTION

On behalf of The Boeing Company (Boeing), this report summarizes the results of groundwater monitoring in 2025 at the former Eastgate Landfill (Site). The Site is located within and adjacent to the Interstate 90 (I-90) Business Park in Bellevue, Washington. The location of the Site is shown on Figure 1, and the approximate area of the former landfill is shown on Figure 2. This monitoring report includes a description of groundwater monitoring activities conducted in 2025, an evaluation of the data, and recommendations for continued interim groundwater monitoring.

1.1 Background

The former Eastgate Landfill was operated by King County from about 1951 until 1964. A brief chronology of ownership of the landfill and surrounding property is as follows:

- After closure of the landfill, Cabot, Cabot, & Forbes developed a portion of the property to the east of the former landfill as the I-90 Business Park.
- In about 1980, Boeing purchased developed and undeveloped property at the I-90 Business Park, as well as most of the 9.6-acre former landfill.
- In April 2003, the City of Bellevue (City) purchased approximately 16 acres of the undeveloped portion of the business park property from Boeing, as well as a majority of the former landfill.
- In December 2005, Schnitzer Northwest LLC (Schnitzer) purchased approximately 13.3 acres of the undeveloped portion of the business park property, as well as a small portion of the southern edge of the landfill. Schnitzer constructed three office buildings between 2007 and 2008 to the south of the former landfill; the property was sold to Advanta Office Holdings (Advanta) in 2010.
- In July 2021, Boeing sold its portion of the I-90 Business Park and removed operations from the site during a 2-year lease of the property from the new owner.

Closure activities performed at the landfill by King County, the City, and Boeing included construction of a cover system, a groundwater monitoring network, a leachate collection system, and a landfill gas collection and control system. Under the 2003 purchase-and-sale agreement for the property between Boeing and the City, the City agreed to assume operation of the landfill gas extraction system, and Boeing agreed to retain responsibility for continued groundwater monitoring activities at the Site, including groundwater monitoring wells located on property that is now owned by Advanta. These closure activities were conducted with oversight from the Washington State Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP; VCP Site No. NW0471) through October 2019. Ecology terminated the VCP agreement in October 2019 as activities at the Site did not satisfy Ecology's VCP participation requirement of active cleanup; however, closure activities have continued in accordance with the applicable work plans since termination of the VCP agreement.

Groundwater monitoring activities at the former landfill began in 2000 and included installation of monitoring wells and collection and analysis of groundwater samples on a quarterly, semiannual, or annual groundwater monitoring schedule. In 2000, Boeing requested a no-further-action (NFA) determination from Ecology for the Boeing-owned portion of the landfill. Based on requests from

Ecology in a response to the NFA request, six monitoring wells (EL-101 through EL-106) were installed around the perimeter of the landfill in July 2000, and four quarterly groundwater monitoring events were conducted in 2000 and 2001. Results for the four quarterly groundwater monitoring events were submitted to Ecology (Landau Associates, Inc. [Landau] 2001). Based on those results, Ecology agreed to the initiation of a groundwater compliance monitoring program, and a work plan for the groundwater compliance monitoring program was prepared and submitted to Ecology in March 2002 (Landau 2002). The monitoring program outlined in the Ecology-approved work plan included 1 year of semiannual monitoring (completed in 2002) followed by annual groundwater monitoring (ongoing). Monitoring will continue until groundwater cleanup levels are met for four consecutive sampling events or a change in frequency is agreed to by Ecology. The work plan also allows for reduction in the number of wells sampled, and lists of constituents analyzed for, if a constituent or group of constituents is not detected or is detected at concentrations less than or equal to the groundwater cleanup levels for four consecutive sampling events at a particular well.

In 2003, Ecology issued an NFA determination under Ecology's VCP for soil and groundwater at the former landfill Site (Ecology 2003) but required continued annual performance groundwater compliance monitoring in accordance with the work plan (Landau 2002). A requirement was also included for confirmational groundwater compliance monitoring, which is to be performed after the conclusion of performance groundwater compliance monitoring.

In 2006, Ecology determined that further action was required to refine the conceptual model of groundwater flow beneath the Site and to monitor the impacts on groundwater, if any, due to the development of the office complex by Schnitzer (Ecology 2006). Boeing prepared a work plan (Landau 2006) to address the further action requirements. The work plan included installation of a piezometer north of the landfill and modification to the frequency and locations of groundwater elevation monitoring. Also, because of construction activities related to development of the Schnitzer-owned portion of the landfill, the work plan included decommissioning and replacement of wells EL-101 and EL-106. Boeing implemented the replacement of two monitoring wells, installation of the new piezometer (EL-107), and adjustments to groundwater compliance monitoring in 2007.

In 2008, the City, Boeing, and Advanta agreed to an environmental covenant by Ecology. The environmental covenant specifies groundwater from the site is not to be removed or reused for any purpose aside from Ecology-required monitoring or remedial action. The soil cap and surface shall be preserved, and disturbances of soil shall be minimized to prevent exposure of landfill debris.

This report describes performance groundwater compliance monitoring performed in 2024. For clarity, this stage of monitoring is defined as interim groundwater monitoring in this report. The results for the interim groundwater monitoring conducted since 2002 are documented in previous annual reports.

1.2 Site Description

The former Eastgate Landfill consists of an approximately 9.6-acre area located adjacent to the I-90 Business Park in Bellevue, Washington. Several office buildings are located in the surrounding business park; however, no buildings have been constructed on the former landfill. In 2008, an office building

complex (including three buildings: designated buildings A, B, and C) was constructed by Schnitzer adjacent to the southern end of the landfill, which included low-permeability surfaces (asphalt roadways and parking areas) over a small portion of the south end of the landfill.

The landfill is capped with soil and has leachate and active landfill gas collection systems in place, along with landfill gas and groundwater monitoring networks. Leachate is collected on the north side of the landfill in the French Drain (located on City-owned property) and is discharged to the sanitary sewer. Six monitoring wells (EL-101R, EL-102, EL-103, EL-104, EL-105, and EL-106R), ranging in depth from 26.5 to 75 feet (ft) below ground surface (bgs), are located along the perimeter of the landfill. A piezometer, EL-107, is located approximately 450 ft north of the landfill on City-owned property. Monitoring well and piezometer locations are shown on Figure 2. Landfill gas extraction wells are also located within the limits of the solid waste landfill and landfill gas monitoring wells are located along the perimeter of the landfill, as shown on Figure 2.

Previous investigations identified two aquifers below the Site: a shallow perched aquifer and a deeper intermediate aquifer. The shallow perched aquifer is encountered in the solid waste and alluvial materials and, in some locations, the glacial till underlying the fill and alluvial materials. The deeper intermediate aquifer (advance outwash aquifer) is encountered in the advance outwash. The Site monitoring wells and piezometer are screened in the advance outwash aquifer. As mentioned above, the environmental covenant states no water shall be taken for any use from the property. This statement applies to both the perched and advance outwash aquifers.

2.0 GROUNDWATER MONITORING ACTIVITIES

This section describes annual interim groundwater monitoring event activities conducted on April 21, 2025. Monitoring was conducted in accordance with the planned scope for interim groundwater monitoring presented in the 2024 annual report (Landau 2024); onsite monitoring activities were completed by Landau under Boeing's regional groundwater monitoring contract.

2.1 Water Level Measurements

Static water levels were measured prior to groundwater sampling at each of the six monitoring wells (EL-101R, EL-102, EL-103, EL-104, EL-105, and EL-106R); at piezometer EL-107; and at stormwater Pond A. The depth to groundwater was measured to the nearest 0.01 ft from the top of the north side of the polyvinyl chloride (PVC) well casing to groundwater using an electric water level indicator. Depth-to-water measurements at each well and the piezometer were converted to groundwater elevations using surveyed elevations for the top of the PVC casing. At Pond A, the water level was measured utilizing the staff gauge installed in the pond. This measurement was converted to a surface water elevation using the surveyed elevation for the top of the staff gauge.

Groundwater elevations range from 277.47 ft to 320.09 ft (NAVD88) with a general groundwater flow direction through the site from west to east. Groundwater and surface water elevations are listed in Table 1. Groundwater and surface water elevations, and groundwater elevation contours, are shown on Figure 3.

2.2 Groundwater Sampling

Groundwater sampling was conducted in accordance with the *Confirmational Groundwater Sampling Work Plan* (Landau 2002), the *Further Action Groundwater Monitoring Work Plan* (Landau 2006), and the subsequent scope reduction described in the 2010 Annual Groundwater Monitoring report (Landau 2011). Groundwater samples were collected from wells EL-103, EL-105, and EL-106R, and a surface water sample was collected from the French Drain. Dedicated bladder pumps were used to purge and collect groundwater samples from EL-103 and EL-105; a non-dedicated bladder pump was used to purge and collect a groundwater sample from EL-106R. The surface water sample collected from the French Drain was collected using a peristaltic pump. Samples for dissolved metals analysis (iron, manganese, and arsenic) were field-filtered using a 0.45-micron filter.

The groundwater samples and the surface water sample were collected in appropriate containers, labeled, logged on a chain-of-custody (COC) document, and kept on ice until delivered to the laboratory. Sample containers, preservatives, and holding times were appropriate for the types of samples collected and the specified analytical methods. Sample custody and documentation in the field and during transportation to the laboratory were conducted in general conformance with the procedures described in the *Confirmational Groundwater Monitoring Work Plan* (Landau 2002).

One blind field duplicate sample, EL-100, was collected at well EL-103. A field trip blank was provided by the analytical laboratory, stored with the collected samples, and analyzed for volatile organic compounds (VOCs).

2.3 Groundwater Analysis

In accordance with the current approved scope of interim groundwater monitoring (Landau 2006) and the scope reductions described in the 2010 *Annual Groundwater Monitoring Report* (Landau 2011), chemical analysis of the samples collected at the three monitoring wells consisted of the following:

- VOCs by US Environmental Protection Agency (EPA) Method 8260D at well EL-103
- Dissolved metals (iron and manganese) by EPA Method 6010D at wells EL-103, EL-105, and EL-106R
- Dissolved metals (arsenic) by EPA Method 200.8 REV 5.4 at wells EL-103 and EL-105.

The surface water sample collected from the French Drain was analyzed for the following compounds:

- VOCs by EPA Method 8260D
- Dissolved metals (iron and manganese) by EPA Method 6010D
- Chloride by EPA Method 300.0 R2.1
- N-Ammonia by EPA Method 350.1
- N-Nitrate calculated
- N-Nitrite by EPA Method 353.2
- Nitrate + Nitrite by EPA Method 353.2
- Sulfate by EPA Method 300.0 R2.1
- Total organic carbon (TOC) by Standard Method SM 5310C-2011
- Chemical oxygen demand (COD) by EPA Method 350.1.

Eurofins Lancaster Laboratories Environmental (LLI) located in Lancaster, Pennsylvania conducted the analyses of the groundwater samples.

3.0 GROUNDWATER MONITORING RESULTS

This section presents the results of the 2025 interim groundwater monitoring event, which consists of groundwater level data and groundwater quality data. This data is submitted annually to the Ecology Environmental Information Management (EIM) Database.

3.1 Groundwater Elevations

Groundwater elevations calculated using water level measurements collected from each monitoring well and piezometer and a surface water level measurement at the staff gauge in Pond A in April 2025 were used to evaluate groundwater flow direction in the advance outwash aquifer. The calculated groundwater elevations are presented in Table 1. Groundwater elevation contours were plotted using the calculated groundwater elevations and are shown on Figure 3. The contours indicate the groundwater at the landfill has a generally easterly flow, which is consistent with flow directions previously observed at the landfill. Monitoring well EL-105 is located directly hydraulically downgradient of the former landfill; wells EL-103 and EL-106R are also hydraulically downgradient of the outer boundaries of the landfill.

3.2 Groundwater Quality

A summary of the analytical results for the 2025 annual sampling event and historical events at each well are provided in Table 2. The data was validated as described in Section 4.2 of the *Confirmational Groundwater Monitoring Work Plan* (Landau 2002); Table 2 includes data qualifiers added as appropriate. Concentrations of detected constituents in the groundwater and surface water samples for the last four sampling events (April 2022, April 2023, April 2024, and April 2025) at wells EL-103, EL-105, EL-106R, and the French Drain were tabulated and are presented in Table 3. The laboratory data reports for the 2025 sampling event are provided in Appendix A. A data quality evaluation for the 2025 sampling event is provided in Appendix B.

The groundwater analytical results for the 2025 annual sampling event are consistent with previous sampling events. Over the past 10 years, dissolved iron concentrations have ranged between 1.20 milligrams per liter (mg/L) and 68.9 mg/L, dissolved manganese concentrations have ranged between 0.0600 mg/L and 9.40 mg/L, and dissolved arsenic concentrations have ranged between 0.00528 mg/L and 0.0365 mg/L. Additionally, VOC detections are limited to 1,4-dichlorobenzene, and concentrations generally range between 1.7 micrograms per liter (µg/L) and 4.5 µg/L.

At well EL-103 and EL-106R, and at downgradient well EL-105, analytical results indicate the presence of dissolved iron and dissolved manganese at concentrations greater than the cleanup levels of 0.3 mg/L, and 0.05 mg/L, respectively. The dissolved iron concentration at well EL 103 and EL-106R was 29.5 mg/L and 1.73 mg/L, respectively, and the concentration was 1.20 mg/L at downgradient well EL-105. Dissolved manganese concentrations at all three wells ranged between 1.82 mg/L and 7.05 mg/L. Dissolved arsenic was detected at EL-103 (0.0304 mg/L), which is greater than the cleanup level of 0.004 mg/L, but at downgradient well EL-105, dissolved arsenic was not detected at a concentration greater than the laboratory reporting limit of 0.00206 mg/L (for the third consecutive year), which is less than

the cleanup level. At EL-103, the detected concentration of 1,4-dichlorobenzene (1.70 µg/L) was slightly less than the cleanup level (1.8 µg/L); the detected concentration in the duplicate sample (1.85 µg/L) was slightly greater than the cleanup level. 1,4-Dichlorobenzene concentrations have ranged between 1.66 µg/L and 2.40 µg/L at this well during the past four annual monitoring events.

At the French Drain, dissolved iron, dissolved manganese, and 1,4-dichlorobenzene were detected at concentrations greater than cleanup levels, which is also consistent with previous results. Concentrations of conventional analyses were all below the respective cleanup levels and were also consistent with previous results. Additionally, at the French Drain location, vinyl chloride and cis-1,2-dichloroethene were detected at concentrations greater than historical results at the Site. Vinyl chloride was detected at a concentration of 1.43 µg/L, exceeding the cleanup level of 0.8 µg/L. Previous detected concentrations range from 0.2 to 0.5 µg/L, though results frequently indicate concentrations less than the laboratory reporting limit. cis-1,2-Dichloroethene was detected at a concentration of 3.31 µg/L; while this concentration is significantly less than the cleanup level (70 µg/L), it is a significant increase from previous concentrations (ranging from less than the laboratory reporting limit up to detected concentrations of 0.6 µg/L).

4.0 SCOPE OF CONTINUED INTERIM GROUNDWATER MONITORING

Prior to initiating confirmational groundwater compliance monitoring sampling (which will include analysis for a larger list of constituents), interim groundwater monitoring is being conducted on an annual schedule. Analytical results from this interim monitoring event are used to evaluate the likelihood of achieving the confirmational groundwater cleanup levels and to adjust the scope of continued monitoring events, as needed.

As shown in Table 3, dissolved arsenic, iron, and manganese have been detected at concentrations above the cleanup level at each location (EL-103, EL-105, and EL-106R) where they have been monitored during the last four annual monitoring events. Dissolved arsenic has also been detected at concentrations above the cleanup level at EL-103 during the last four monitoring events and at EL-105 during one of the last four monitoring events. Although arsenic cleanup levels could be re-evaluated because detections may be representative of naturally occurring background concentrations, arsenic remains elevated at EL-103 above 10 µg/L.¹ At well EL-103, 1,4-dichlorobenzene has also been detected above the cleanup level during two of the last four monitoring events. These results suggest that achieving confirmational groundwater cleanup levels is unlikely at this time. As a result, groundwater monitoring at the landfill will continue as an interim program for 2026; the recommended analyte list remains unchanged.

The scope for the 2026 annual interim groundwater monitoring is summarized below and is presented in Table 4:

- Groundwater elevation measurement at monitoring wells EL-101R, EL-102, EL-103, EL-104, EL-105, and EL-106R, and at piezometer EL-107
- Surface water elevation measurement at Pond A
- Chemical analysis as follows:
 - EL-103 for VOCs and dissolved metals (arsenic, iron, and manganese)
 - EL-105 for dissolved metals (arsenic, iron, and manganese)
 - EL-106R for dissolved metals (iron and manganese)
 - French Drain for VOCs, dissolved metals (iron and manganese), and conventional parameters.

The scope of groundwater monitoring will be re-evaluated following the 2026 sampling event.

¹ The Site-specific cleanup level for arsenic is 4.0 µg/L. Ecology reverted to a surface water criterion for arsenic of 10 µg/L, which is the Safe Drinking Water Act maximum contaminant level for groundwater (Ecology 2016). This was done for three primary reasons: 1) there are elevated natural background concentrations of arsenic in groundwater in many areas of Washington State (Ecology 2016, page 70); 2) the EPA has acknowledged that the cancer slope factor for arsenic is unreliable (Ecology 2016, page 73); and 3) the EPA's bioaccumulation factor for arsenic should be based on inorganic arsenic (the toxic portion) rather than total arsenic (Ecology 2016, page 73).

5.0 SCHEDULE AND REPORTING

The annual groundwater monitoring will be conducted in April or May 2026 and, in accordance with the *Further Action Groundwater Monitoring Work Plan* (Landau 2006), annual groundwater monitoring activities and results will be documented in a report to be retained by Boeing.

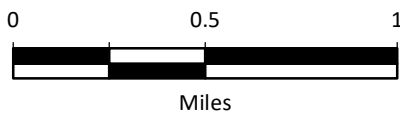
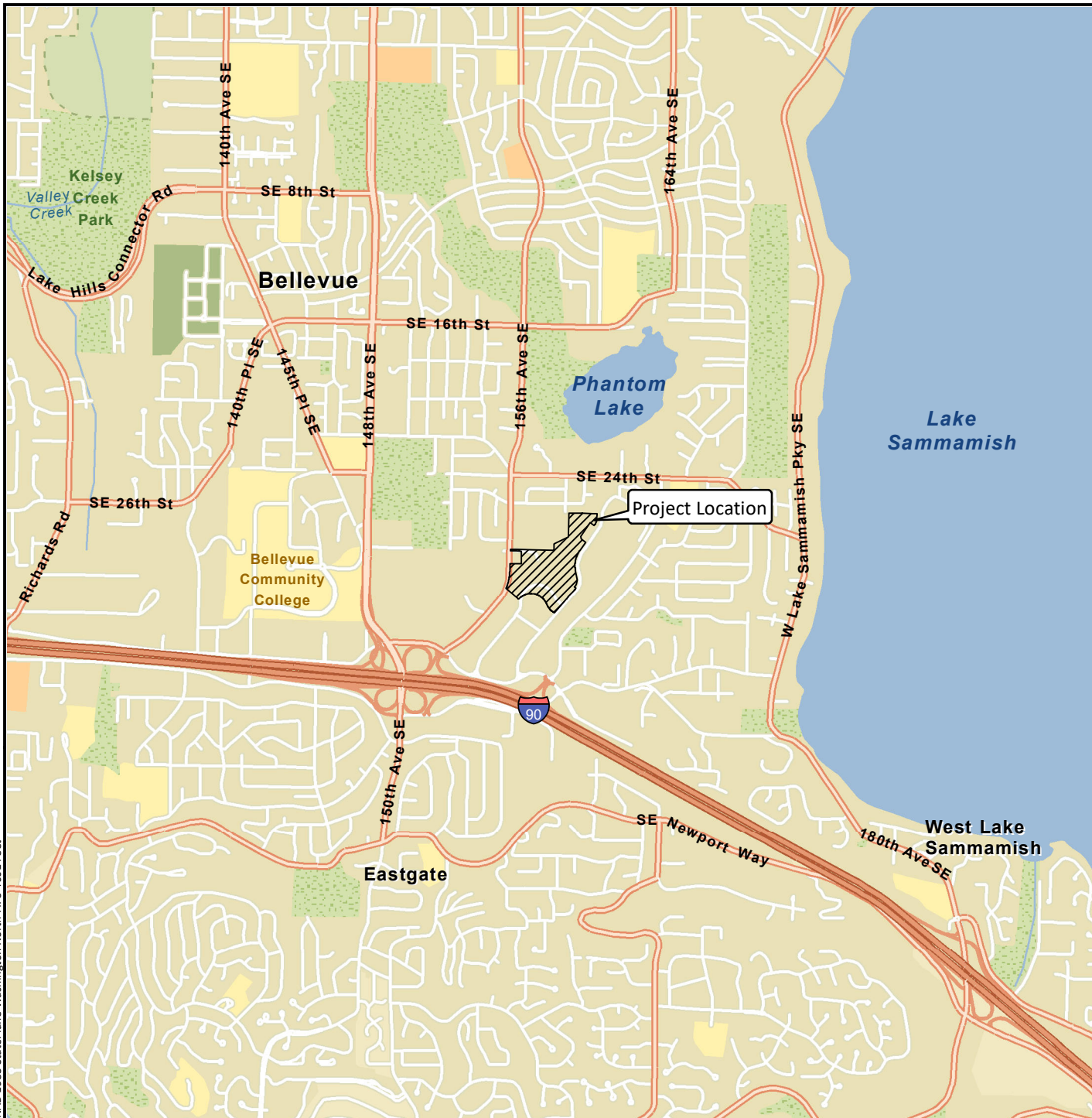
6.0 USE OF THIS REPORT

This annual report has been prepared for the exclusive use of Boeing for specific application to the former Eastgate Landfill. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau, shall be at the user's sole risk. Landau warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. Landau makes no other warranty, either express or implied.

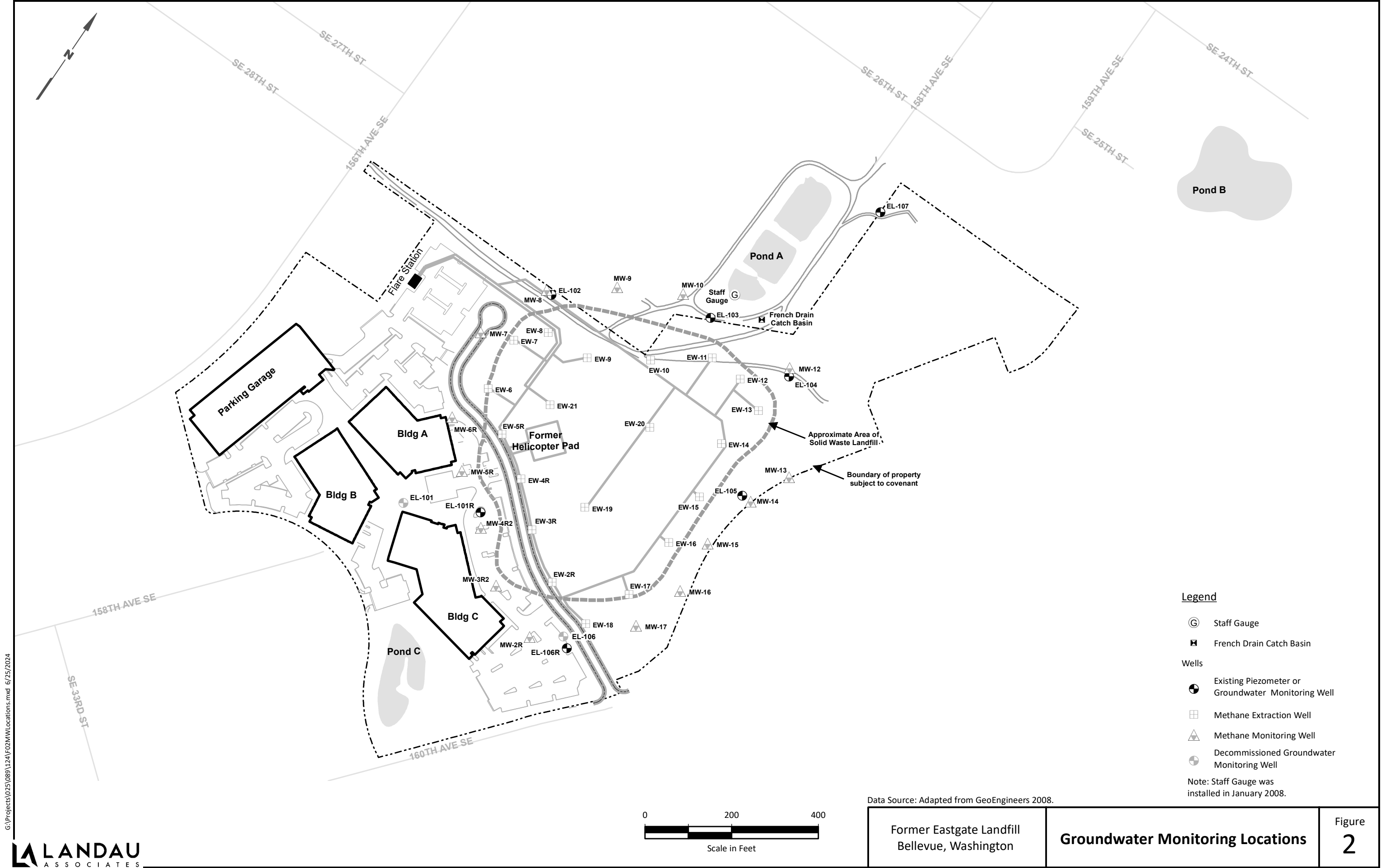
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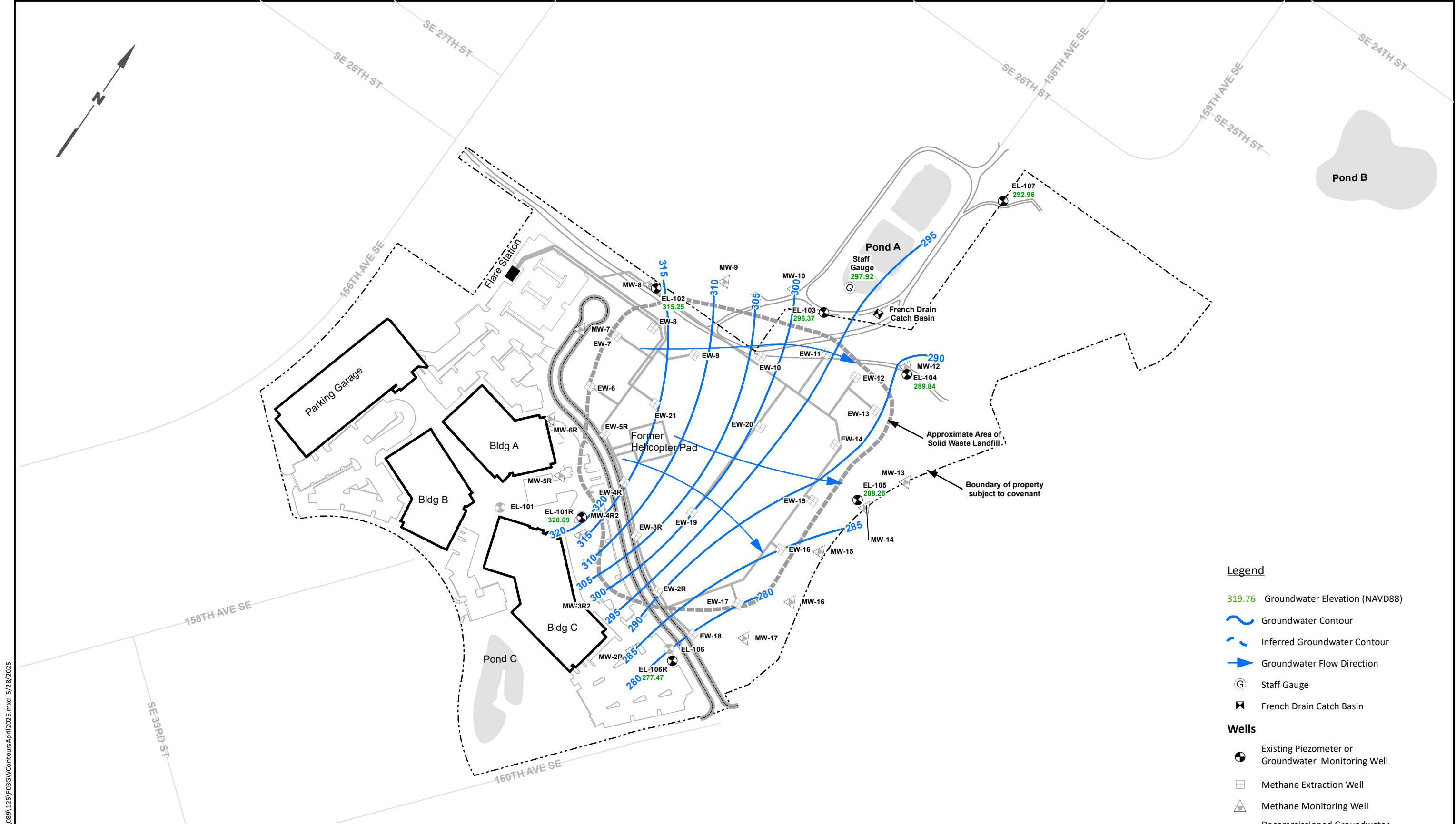
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Data Source: Esri.



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Legend

319.76 Groundwater Elevation (NAVD88)

Groundwater Contour

Inferred Groundwater Contour

Groundwater Flow Direction

Staff Gauge

French Drain Catch Basin

Wells

Existing Piezometer or Groundwater Monitoring Well

Methane Extraction Well

Methane Monitoring Well

Decommissioned Groundwater Monitoring Well

Note
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

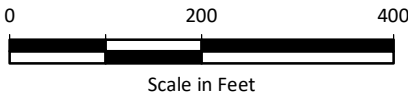


Table 1
Summary of Groundwater Elevations
Former Eastgate Landfill

Well Name	Top of Casing Elevation	Water Elevation																				
		3/18/2002	8/28/2002	4/17/2003	4/8/2004	5/9/2005	5/9/2006	10/9/2007	1/29/2008	4/10/2008	7/9/2008	10/21/2008	2/13/2009	6/24/2009	9/24/2009	11/11/2009	5/13/2010	5/23/2011	5/8/2012	5/13/2013	5/13/2014	5/7/2015
		Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation	Water Elevation
EL-101	349.56	NM	322.42	317.05	326.06	323.81	326.21	-- (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EL-101R	347.20	--	--	--	--	--	--	317.04	319.61	--	318.52	319.66	302.02	317.74	317.97	318.30	319.02	320.94	320.30	319.83	320.17	319.76
EL-102	352.83	315.41	318.13	313.81	316.63	313.42	317.01	316.01	313.35	314.38	315.03	313.72	313.45	315.06	313.03	311.83	317.16	322.38	317.22	319.85	317.34	318.34
EL-103	310.07	293.49	292.90	293.47	293.94	294.90	295.43	295.05	295.98	296.03	294.64	294.65	295.33	295.24	294.49	294.85	295.48	296.47	296.68	296.05	296.11	295.86
EL-104	345.33	NM	289.50	288.55	289.33	288.60	289.68	289.51	289.26	289.45	289.42	288.52	288.69	288.95	288.42	288.11	289.32	291.13	290.66	290.53	289.95	290.29
EL-105	343.69	287.25	287.39	286.91	287.48	286.65	287.87	287.47	287.21	287.45	287.19	286.59	286.79	287.05	286.49	286.14	287.47	289.27	288.56	288.59	288.14	288.44
EL-106	345.55	288.93	278.77	278.89	279.15	277.99	279.68	-- (a)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EL-106R	346.17	--	--	--	--	--	--	276.78	276.48	276.73	276.66	276.38	276.41	276.71	276.37	276.25	277.23	278.78	277.76	277.95	277.73	277.84
EL-107	313.43	--	--	--	--	--	--	291.90	292.20	292.74	292.11	291.51	291.39	291.96	291.15	291.05	292.54	292.95	292.92	292.80	292.28	293.24
Pond A/Staff Gauge (b)	301.52	--	--	--	--	--	--	NM	296.30	296.52	296.20	296.22	296.24	296.20	296.18	296.31	296.24	296.23	295.92	296.07	296.02	296.03

Table 1
Summary of Groundwater Elevations
Former Eastgate Landfill

Well Name	Top of Casing Elevation	Water Elevation									
		5/13/2016 Water Elevation	5/4/2017 Water Elevation	4/26/2018 Water Elevation	4/24/2019 Water Elevation	4/28/2020 Water Elevation	4/20/2021 Water Elevation	4/27/2022 Water Elevation	4/28/2023 Water Elevation	4/25/2024 Water Elevation	4/21/2025 Water Elevation
EL-101	349.56	--	--	--	--	--	--	--	--	--	--
EL-101R	347.20	320.11	322.51	321.05	318.36	318.32	318.31	318.39	321.34	321.54	320.09
EL-102	352.83	321.16	323.60	321.31	314.22	313.71	314.87	317.79	317.41	318.07	315.25
EL-103	310.07	295.85	296.97	296.92	295.60	295.63	296.14	296.39	296.28	296.28	296.37
EL-104	345.33	290.83	293.10	291.45	289.26	289.25	289.89	290.84	290.35	290.54	289.84
EL-105	343.69	289.02	290.36	289.53	287.52	287.60	288.28	289.12	288.54	288.91	288.26
EL-106	345.55	--	--	--	--	--	--	--	--	--	--
EL-106R	346.17	278.48	279.54	278.61	276.97	277.38	277.71	278.36	277.93	278.22	277.47
EL-107	313.43	293.57	295.10	294.29	292.33	292.33	293.06	293.82	293.34	293.41	292.96
Pond A/Staff Gauge (b)	301.52	295.99	296.06	296.02	296.02	296.06	296.36	296.33	296.32	296.52	297.92

Abbreviations and Acronyms:

NM = not measured.

-- = location does not exist on this date

Notes:

(a) Monitoring wells EL-101 and EL-106 were abandoned in 2007.

(b) Staff Gauge Top of Casing Elevation is the surveyed elevation of the top of the staff guage, which measures 6.4 feet in length.

Horizontal Datum: NAD 83(91)

Vertical Datum: NAVD 88

To convert elevation shown herein to NGVD 29 Datum subtract 3.48 feet.

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																
	EL-103 BY07C BY07 7/28/2000	EL-103-Dup BY07G BY07 7/28/2000	EL-103 CO72D CO72 12/13/2000	EL-103-SDup BOL0365-02 BOL0365 12/13/2000	EL-103 CX61C CX61 3/29/2001	EL-103 DG04C DG04 6/14/2001	EL-103-SDup DG04G DG04 6/14/2001	EL-103 EE52C EE52 3/18/2002	EL-103 ER96C ER96 8/28/2002	EL-103 FK21D FK21 4/17/2003	EL-103 GN17B GN17 4/8/2004	EL-103-DUP GN17C GN17 4/8/2004	EL-103 IA68D IA68 5/9/2005	EL-103 JI58D JI58 5/9/2006	EL-103-DUP JI58F JI58 5/9/2006	EL-103 LT43D LT43 10/10/2007	EL-103-DUP LT43B LT43 10/10/2007
Volatiles (µg/L; Method SW8260B/C/D)																	
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0 U	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	5.0 U	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	3.0 U	3.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	5.0 U	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	1.0 U	1.0 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.4	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	5.0 U	5.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	0.5 U	0.5 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0	0.939	1.3	1.3	1.4	1.9	1.9	1.8	1.9	1.7	1.8	1.7	1.7	1.4	1.4
1,2-Dichloroethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	1.0 U	1.0 U	0.7	0.674	1.1	1.0	1.1	2.0	1.8	2.3	2.4	2.2	2.4	1.7	1.7	1.7	1.7
2,2-Dichloropropane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	5.0 U	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	R	R	0.5 U	NA	R	R	R	R	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone	5.0 U	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	3.0 U	3.0 U
4-Chlorotoluene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.7	2.1	3.6	4.4	3.7	1.8	2.9 U	3.5 U	3 U	3 U
Acrolein	50 U	50 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acrylonitrile	5.0 U	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	6.1	6.5	4.7	4.98	4.9	4.4	4.7	5.8 J	5.3	5.3	5.5	5.1	5.6	6.4	6.2	6.3	6.3
Bromobenzene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoethane	2.0 U	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	1.0 U	1.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	12	12	9.6	9.50	14	11	11	15 J	17	21 J	23	22	22	19	19	19	19
Chloroethane	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	1.0 U	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	0.4	0.353	0.4	0.3	0.3	0.3	0.2	0.4 U	0.4 U	0.4 U	0.2	0.2	0.2	0.2 U	0.2 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.0 U	1.0 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene Dibromide	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	5.0 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	1.1	1.1	0.7	0.906	0.9	0.8	0.9	1.6	1.5	1.5	1.4	1.2	1.2	1.4	1.3	1.8	1.8

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m,p-Xylene	1.0 U	1.0 U	0.4 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl iodide	1.0 U	1.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	2.0 U	2.0 U	0.3 U	5.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.6 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Naphthalene	5.0 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.3	0.3	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2	0.2
o-Xylene	1.0 U	1.0 U	0.2 U	0.25 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	1.0 U	1.0 U	0.4	0.550	0.6	0.5	0.5	1.0	0.9	1.1	0.9	0.8	0.8	0.8	0.8	1	1
Styrene	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	1.0 U	1.0 U	0.2 U	0.5 U	0.2	0.2 U	0.2 U	0.3	0.2	0.4 U	0.4 U	0.4 U	0.3	0.3	0.3	0.3	0.3
Tetrachloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,4-Dichloro-2-butene	5.0 U	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	1.0 U	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	5.0 U	5.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	1.0 U	1.0 U	0.2 U	0.968	0.5	0.4	0.4	0.3	0.2 U	0.4 U	0.4 U	0.4 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Pesticides (µg/L; Method 8081A)																	
Dieldrin	0.10 U	0.10 U	0.10 U	0.07 U	0.10 U	0.10 U	0.10 U	0.0033 U	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)																	
Arsenic (7060A/200.8)	0.044	0.044	0.039	0.0516	0.040	0.036	0.036	0.028	0.033	0.030	0.031	0.031	0.030	0.037	0.037	0.0152	0.0157
Cadmium (6010)	0.002 U	0.002 U	0.002 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	NA	NA
Chromium (6010)	0.005 U	0.005 U	0.005 U	0.00352	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA
Iron (6010B/200.8)	14.8	14.7	11.7	13.1	12.1	11.9	12.1	16.6	14.4	16.8	18.8	17.7	19.7	26.5	26.2	6.7	7.25
Manganese (6010B/200.8)	3.97	3.91	2.81	0.520	2.84	2.53	2.51	3.36	2.72	3.01	3.16	3.00	3.03	4.66	4.69	3.40	3.54
Conventionals																	
Chloride (mg/L) (325.2, 300.0)	23	24	13	16.0	18	16	17	30	22	26	23.3	23.0	NA	NA	NA	NA	NA
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	100	98	87	85.4	67	62	65	76	81	72	82.6	74.6	NA	NA	NA	NA	NA
N-Nitrate (mg-N/L) (calc.)	0.010 U	0.010 U	0.010 U	0.1 U	0.019	0.022	0.015	0.010 U	0.026	0.011	0.010 U	0.010 U	NA	NA	NA	NA	NA
N-Nitrite (mg-N/L) (353.2)	0.010 U	0.012	0.011	0.1 U	0.010 U	0.010 U	0.010 U	0.045	0.010	0.010 U	0.049	0.038	NA	NA	NA	NA	NA
Nitrate + Nitrite (mg-N/L) (353.2)	0.010 U	0.010 U	0.015	NA	0.019	0.022	0.015	0.032	0.036	0.011	0.032	0.023	NA	NA	NA	NA	NA
Sulfate (mg/L) (375.2, 300.0)	19	18	11	2.37	9.2	8.8	9.2	6.1	9.5	6.3	8.6 J	7.8 J	NA	NA	NA	NA	NA
Chemical Oxygen Demand (mg/L) (410.4)	64	70	50 UJ	22.5	37	47	47	55	53	NA	54	55	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L) (415.1, SM5310C)	24	22	22	20.0 U	20	16	18	19	18	NA	18.7	18.9	NA	NA	NA	NA	NA
Un-ionized Ammonia (µg NH ₃ /L) (a)																	
Minimum (b)	40	39	34	34	26	24	26	30	32	28	32.6	29.5	NC	NC	NC	NC	NC
Maximum (c)	36,000	36,000	32,000	31,000	24,000	22,000	24,000	28,000	29,000	26,000	30,000	27,100	NC	NC	NC	NC	NC
Field Parameters																	
pH	6.24	6.24	6.8	6.8	6.54	6.93	6.93	6.71	6.49	6.59	6.65	6.65	6.72	6.58	6.58	7.51	7.51
Temperature (°C)	20.9	20.9	11.7	11.7	14.0	15.3	15.3	10.6	13.3	11.0	11.1	11.1	11.3	11.0	11.0	11.9	11.9
Specific Conductivity (µS)	1,129	1,129	1,385	1,385	1,348	1,334	1,334	1,179	1,112	1,133	1,158	1,158	1,138	1,126	1,126	1,074	1,074

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																	
	EL-103 NV83F NV83 10/21/2008	EL-108 EL-103-DUP NV83C NV83 10/21/2008	EL-103 PE53C PE53 6/24/2009	EL-108 EL-103-DUP PE53B PE53 6/24/2009	EL-103 QW57D QW57 5/13/2010	EL-100 EL-103-DUP QW57F QW57 5/13/2010	EL-103 SY24A SY24 05/23/2011	EL-100 EL-103-DUP SY24B SY24 05/23/2011	EL-103 6644943 1307589 5/8/2012	EL-100 EL-103-DUP 6644945 1307589 5/8/2012	EL-103 7055035 1389676 05/13/2013	EL-100 EL-103-DUP 7055037 1389676 05/13/2013	EL-103 7462651 1474176 5/13/2014	EL-100 EL-103-DUP 7462647 1474176 5/13/2014	EL-103 7879583 1559679 5/7/2015	EL-100 EL-103-DUP 7879581 1559679 5/7/2015	EL-103 8382537 1661845 5/13/2016	EL-100 EL-103-DUP 8382532 1661845 5/13/2016
Volatiles (µg/L; Method SW8260B/C/D)																		
1,1,1,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	1.3	1.2	1.4	1.4	1.3	1.3	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.4	1.3	1.6	1.6
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	1.5	1.5	2.1	2.0	1.9	1.7	1.8	1.9	2.3	2.2	2.3	2.2	1.9	2.0	2.2	2.1	2.3	2.3
2,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloroethylvinylether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Isopropyltoluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone (MIBK)	2.5 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	3.0 U	3.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	16	15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acrolein	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	25 U	25 U	25 UJ	25 UJ	25 U	25 U	25 U	25 U
Acrylonitrile	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	5.1	4.8	4.2	4.1	3.3	3.2	2.8	2.7	2.2	2.2	2.1	2.0	2.1	2.1	1.9	1.9	2.0	2.0
Bromobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	23	23	22	22	21	20	19	20	24	23	24	24	23	23	24	23	24	21
Chloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	1.7	1.6	1.3	1.3	1.0	1.0	1.0	1.1	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.9	0.9

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m,p-Xylene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Iodide	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	0.8	0.8	0.7	0.8	0.6	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.5	0.5	0.6	0.6	0.6	0.6
Styrene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,4-Dichloro-2-butene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pesticides (µg/L; Method 8081A)																		
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)																		
Arsenic (7060A/200.8)	0.038	0.037	0.035	0.0351	0.0337	0.0345	0.0349	0.0362	0.0338	0.0348	0.0289	0.0282	0.0332	0.0335	0.0352	0.0363	0.0329	0.0353
Cadmium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (6010B/200.8)	18.5	18.2	22.3	23.1	21.8	21.9	22.9	22.2	20.2	20.5	20.8	20.4	23.2	20.9	22.6	21.1	22.9	24.2
Manganese (6010B/200.8)	3.04	3.02	3.18	3.21	2.95	3.04	3.3	3.19	2.93	3.26	3.64	3.68	3.78	3.41	2.97	2.83	3.69	3.83
Conventionals																		
Chloride (mg/L) (325.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrate (mg-N/L) (calc.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate + Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate (mg/L) (375.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (mg/L) (410.4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L) (415.1, SM5310C)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Un-ionized Ammonia (µg NH ₃ /L) (a)																		
Minimum (b)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Maximum (c)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Field Parameters																		
pH	7.26	7.26	6.93	6.93	7.59	7.59	6.51	6.51	5.99	5.99	6.01	6.01	7.59	7.59	6.36	6.36	6.4	6.4
Temperature (°C)	11.6	11.6	11.5	11.5	12.1	12.1	10.7	10.7	10.7	10.7	10.7	10.7	10.9	10.9	11.3	11.3	12.1	12.1
Specific Conductivity (µS)	1,172	1,172	225	225	2,402	2,402	950	950	1,071	1,071	886	886	996	996	1,054	1,054	1,120	1,119

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																	
	EL-103 8977635 1797829 5/4/2017	EL-100 EL-103-DUP 8977628 1797829 5/4/2017	EL-103 9580974 1936930 4/26/2018	EL-100 EL-103-DUP 9580972 1936930 4/26/2018	EL-103 2040573 1041948 4/24/2019	EL-100 EL-103-DUP 2040573 1041950 4/24/2019	EL-103 1306499 2097790 4/28/2020	EL-100 EL-103-DUP 1306501 2097790 4/28/2020	EL-103 410-36712-4 410-36712-1 4/20/2021	EL-100 EL-103-DUP 410-36712-3 410-36712-1 4/20/2021	EL-103 410-81936-4 410-81936-1 4/27/2022	EL-100 EL-103-DUP 410-81936-3 410-81936-1 4/27/2022	EL-103 410-124751-4 410-124751-1 4/28/2023	EL-100 EL-103-DUP 410-124751-3 410-124751-1 4/28/2023	EL-103 410-169406-1 410-169406-3 4/25/2024	EL-100 EL-103-DUP 410-169406-1 410-169406-4 4/25/2024	EL-103 410-218347-1 410-218347-3 4/21/2025	EL-100 EL-103-DUP 410-218347-1 410-218347-4 4/21/2025
Volatiles (µg/L; Method SW8260B/C/D)																		
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
1,1-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,2,3-Trichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,2,4-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,2-Dichlorobenzene	1.3	1.4	1.2	1.2	1.4 J	1.4	1.4	1.35	1.22	1.07	1.12	1.38	1.56	1.32	2.50 U	1.19	1.23	
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,3-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
1,4-Dichlorobenzene	2.1	2.2	2.0	2.0	2.0 J	2.0	2.0	2.1	1.73	1.57	1.66	1.78	2.08	2.40	1.94	2.50 U	1.70	1.85
2,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25.0 U	5.00 U	5.00 U
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25.0 U	5.00 U	5.00 U
4-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
4-Isopropyltoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25.0 U	5.00 U	5.00 U
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25.0 U	5.00 U	5.00 U
Acrolein	25 U	25 U	25 U	25 U	25 UJ	25 U	25 UJ	25 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ	125 UJ	25.0 UJ	25.0 UJ
Acrylonitrile	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ	25.0 UJ	5.00 UJ	5.00 UJ
Benzene	1.6	1.6	1.4	1.5	1.6 J	1.6	1.5	1.6	1.25	1.19	1.04	1.13	0.935	1.04	0.819	1.00 U	0.656	0.688
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Bromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Chlorobenzene	23	23	20	20	22 J	22	22	23	19.3	18.4	17.6	19.3	21.9	24.3	21.4	17.8	20.3	21.6
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	2.50 UJ	0.500 U	0.500 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Dibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Ethylene Dibromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 UJ	0.500 UJ
Hexachlorobutadiene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	2.50 U	0.500 UJ	0.500 UJ
Isopropylbenzene	0.9	0.9	0.9	0.9	0.6 J	0.6	0.7	0.7	0.579	0.520	0.607	0.663	0.709	0.795	0.617	2.50 U	0.500 U	0.501

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m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Naphthalene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
n-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
sec-Butylbenzene	0.6	0.6	0.5 U	0.5	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
tert-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
trans-1,4-Dichloro-2-butene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.00 UJ	5.00 UJ	5.00 U	5.00 U	5.00 UJ	5.00 UJ	5.00 U	25.0 U	5.00 U	5.00 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.500 UJ	0.500 UJ	0.500 U	0.500 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U
Vinyl Chloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.254	0.217	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U
Pesticides (µg/L; Method 8081A)																		
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)																		
Arsenic (7060A/200.8)	0.0320	0.0306	0.0362	0.0340	0.0365	0.0345	0.0314	0.0330	0.0291	0.0293	0.0342	0.0353	0.0316	0.0318	0.0333	0.0327	0.0304	0.0316
Cadmium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (6010B/200.8)	24.1	23.7	24.1	24.3	25.5	23.3	25.3	25.4	21.7	21.5	32.8	31.0	28.1	27.7	30.8	30.9	29.5	29.1
Manganese (6010B/200.8)	3.82	3.81	3.85	3.91	3.75	3.50	3.76	3.71	3.72	3.71	4.38	4.16	4.04	3.94	4.04	4.11	4.05	4.21
Conventionals																		
Chloride (mg/L) (325.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrate (mg-N/L) (calc.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate + Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate (mg/L) (375.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand (mg/L) (410.4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (mg/L) (415.1, SM5310C)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Un-ionized Ammonia (µg NH ₃ /L) (a)																		
Minimum (b)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Maximum (c)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Field Parameters																		
pH	6.43	6.43	6.41	6.42	6.42	6.42	6.43	6.43	6.36	6.4	6.49	6.49	6.48	6.48	6.36	6.36	6.43	6.43
Temperature (°C)	12.4	12.4	15.6	7.0	13.6	13.7	13.5	13.5	14.2	14.1	11.3	11.3	13.9	13.5	11.7	11.7	11.4	11.4
Specific Conductivity (µS)	1,430	1,433	1,164	1,165	1,085	1,086	1,080	1,067	1,098	1,097	1,134	1,134	1,494	1,494	1,102	1,102	1,499	1,499

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																			
	EL-105 BY07E BY07 7/28/2000	EL-105 CO72C CO72 12/13/2000	EL-105-SDup BOL0365-03 BOL0365 12/13/2000	EL-105 CX61E CX61 3/29/2001	EL-105-Dup CX61G CX61 3/29/2001	EL-105 DG04E DG04 6/14/2001	EL-105 EE52F EE52 3/18/2002	EL-105 ER96A ER96 8/28/2002	EL-105 FK21A FK21 4/17/2003	EL-105 GN17F GN17 4/8/2004	EL-105 IA68A IA68 5/9/2005	EL-105 J158A J158 5/9/2006	EL-105 LT43A LT43 10/10/2007	EL-105 NV83B NV83 10/21/2008	EL-105 PE53G PE53 6/25/2009	EL-105 QW57A QW57 5/13/2010	EL-105 SY24C SY24 05/23/2011	EL-105 6644947 1307589 5/8/2012	EL-105 7055039 1389676 05/13/2013	EL-105 7462650 1474176 5/13/2014
Volatiles (µg/L; Method SW8260B/C/D)																				
1,1,1,2-Tetrachloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	3.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	5.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	1.0 U	0.2 U	0.227	0.2 U	0.2 U	0.2	0.2	0.2	0.2	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinylether	R	0.5 U	NA	R	R	R	R	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.1	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	50 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1.0 U	0.3	0.304	0.3	0.2	0.3	0.3	0.2	0.2	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoethane	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	1.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1.0 U	0.2	0.2 U	0.2	0.2	0.3	0.3	0.2	0.3 J	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.4	2.0	2.10	1.8	1.8	1.7	1.6	1.7	1.7	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene Dibromide	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																			
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m,p-Xylene	1.0 U	0.4 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl Iodide	1.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene Chloride	2.0 U	0.3 U	5.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	1.0 U	0.2 U	0.25 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	1.0 U	0.2 U	0.230	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Toluene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	1.0 U	0.2 U	0.201	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,4-Dichloro-2-butene	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	1.0 U	0.2	0.323	0.3	0.3	0.2	0.3	0.3	0.3	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl Acetate	5.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl Chloride	1.0 U	0.2	0.2 U	0.2 U	0.2 U	0.2	0.8	0.5	0.3	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pesticides (µg/L; Method 8081A)																				
Dieldrin	0.10 U	0.10 U	0.07 U	0.10 U	0.10 U	0.10 U	0.0033 U	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dissolved Metals (mg/L)																				
Arsenic (7060A/200.8)	0.008	0.009	0.00994	0.010	0.011	0.010	0.005	0.005	0.007	0.005	0.008	0.006	0.004	0.0071	0.0098	0.0086	0.0048	0.0088	0.0072	
Cadmium (6010)	0.002 U	0.002 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium (6010)	0.005 U	0.005 U	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron (6010B/200.8)	5.61	6.34	6.91	7.63	7.77	7.08	3.78	3.25	6.23	3.44	6.30	4.27	2.92	7.10	7.92	6.93	3.20	6.9	6.12	
Manganese (6010B/200.8)	6.04	5.64	5.27	5.75	5.80	5.11	4.17	3.56	4.66	3.66	4.19	3.92	3.76	4.7	4.70	4.03	3.06	4.26	4.60	
Conventionals																				
Chloride (mg/L) (325.2, 300.0)	4.9	3.7	3.82	4.9	4.5	4.1	5.4	4.7	4.0	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	2.9	3.8	6.35	2.7	2.7	2.4	1.8	1.6	2.0	1.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Nitrate (mg-N/L) (calc.)	0.010 U	0.010 U	0.1 U	0.013	0.014	0.13	0.22	0.040	0.026	0.112	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Nitrite (mg-N/L) (353.2)	0.010 U	0.010 U	0.1 U	0.010 U	0.010 U	0.010 U	0.026	0.010 U	0.010 U	0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate + Nitrite (mg-N/L) (353.2)	0.010 U	0.010 U	NA	0.013	0.014	0.13	0.25	0.040	0.026	0.125	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate (mg/L) (375.2, 300.0)	26	28	28.1	24	24	27	23	31	23	24.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chemical Oxygen Demand (mg/L) (410.4)	13	7.6 UJ	10.0 U	10	7.2	16	14	10	NA	9.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (mg/L) (415.1, SM5310C)	4.1	3.7	8.61	5.5	5.2	3.7	3.9	1.6	NA	4.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Un-ionized Ammonia (µg NH3/L) (a)																				
Minimum (b)	1.1	1.5	2.5	1.1	1.1	0.95	0.71	0.63	0.79	0.6	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Maximum (c)	1,100	1,400	2,300	979	979	870	653	580	725	533	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Field Parameters																				
pH	5.78	6.4	6.4	6.24	6.24	6.52	6.47	6.84	6.38	6.32	6.75	6.1	6.92	6.16	6.88	6.63	6.08	5.22	5.54	
Temperature (°C)	19.6	12.6	12.6	16.4	16.4	18.4	12.9	14.1	13.2	13.6	13.4	13.7	14.3	13.6	13.9	15.4	13.9	13.5	13.5	
Specific Conductivity (µS)	244	360	360	359	359	375	242	252	289	245	301	285	271	347	66	8	303	339	273	

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																			
	EL-105 7879588 1559679 5/7/2015	EL-105 8382536 1661845 5/13/2016	EL-105 8977632 1797829 5/4/2017	EL-105 9580971 1936930 4/26/2018	EL-105 2040573 1041947 4/24/2019	EL-105 1306498 2097790 4/28/2020	EL-105 410-36712-2 410-36712-1 4/20/2021	EL-105 410-81936-2 410-81936-1 4/27/2022	EL-105 410-124751-2 410-124751-1 4/28/2023	EL-105 410-169406-1 410-169406-1 4/25/2024	EL-105 410-218347-1 410-218347-2 4/21/2025	EL-106 BY07F BY07 7/28/2000	EL-106 CO72B CO72 12/13/2000	EL-106-SDup BOL0318-03 BOL0365 12/13/2000	EL-106 CX61F CX61 3/29/2001	EL-106 DG04F DG04 6/14/2001	EL-106 EE52E EE52 3/18/2002	EL-106 ER96B ER96 8/28/2002	EL-106 FK21B FK21 4/17/2003	EL-106 GN17E GN17 4/8/2004
Volatiles (µg/L; Method SW8260B/C/D)																				
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	0.5 U	NA	R	R	R	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-Pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.8
Acrolein	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acrylonitrile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.5 U	0.2 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.8	0.85	0.7	0.6	0.5	0.4	0.4	0.4
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene Dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

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m,p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.4 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Methyl Iodide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	0.3 U	5.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.25 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pesticides (µg/L; Method 8081A)																				
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U	0.07 U	0.10 UJ	0.10 U	0.0033 U	0.010 U	NA	NA
Dissolved Metals (mg/L)																				
Arsenic (7060A/200.8)	0.0076	0.0020 U	0.0070	0.0023	0.0025	0.0021 U	0.00252	0.00528	0.00206 U	0.00206 U	0.00206 U	0.006	0.008	0.00912	0.007	0.008	0.001	0.002	0.002	0.001
Cadmium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U	0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chromium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	0.00169	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Iron (6010B/200.8)	5.47	2.01	5.49	4.35	3.53	1.20	2.71	3.25	2.54	1.89	1.20	1.52	8.71	8.88	7.15	6.97	0.46	3.47	3.41	0.12
Manganese (6010B/200.8)	4.11	3.07	3.40	3.23	2.93	2.22	2.39	2.53	2.48	2.09	1.82	5.56	11.3	9.77	10.4	8.00	0.621	4.55	4.08	0.550
Conventionals																				
Chloride (mg/L) (325.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.0	18	18.5	8.7	4.5	3.4	8.9	7.4	3.5
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	4.1	5.83	4.3	4.1	0.20	0.46	1.7	0.277
N-Nitrate (mg-N/L) (calc.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2	0.20	0.393	0.072	0.073	3.0	1.3	1.1	1.98
N-Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.022	0.021	0.1 U	0.021	0.010 U	0.012	0.010 U	0.010 U	0.016
Nitrate + Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	0.22	NA	0.093	0.073	3.0	1.3	1.1	2.00
Sulfate (mg/L) (375.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	30	25.7	18	17	24	23	19	22.5 J
Chemical Oxygen Demand (mg/L) (410.4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	32 UJ	56.5	34	25	9.8	13	NA	15.5
Total Organic Carbon (mg/L) (415.1, SM5310C)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	12	14	12	9.3	4.4	3.7	NA	6.19
Un-ionized Ammonia (µg NH ₃ /L) (a)																				
Minimum (b)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.1	1.6	2.3	1.7	1.6	0.08	0.18	0.67	0.1
Maximum (c)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	979	1,500	2,100	1,600	1,500	73	167	617	100
Field Parameters																				
pH	6.17	6.21	6.16	6.07	6.21	6.25	6.06	6.40	6.31	6.16	6.16	5.95	6.5	6.5	6.27	6.81	6.37	6.44	6.31	6.23
Temperature (°C)	14.0	15.4	14.1	13.9	14.8	14.3	15.3	14.0	15.0	13.0	13.3	18.8	15.1	15.1	15.4	19.1	12.4	13.6	12.7	12.9
Specific Conductivity (µS)	251	248	332	251	255	196	219	218	293.1	196.2	273.5	379	764	764	734	624	207	270	359	247

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Former Eastgate Landfill

Analyte	Sample Location, Laboratory Sample ID, Lab Data Package ID, Sample Date																		
	EL-106 IA68B IA68 5/9/2005	EL-106-DUP IA68F IA68 5/9/2005	EL-106 JI58B JI58 5/9/2006	EL-106R LT21B LT21 10/10/2007	EL-106R NV83A NV83 10/21/2008	EL-106R PE53E PE53 6/24/2009	EL-106R QW57B QW57 5/13/2010	EL-106R SY24D SY24 5/23/2011	EL-106R 6644940 1307589 5/8/2012	EL-106R 7055032 1389676 05/13/2013	EL-106R 7462649 1474176 5/13/2014	EL-106R 7879585 1559679 5/7/2015	EL-106R 8382534 1661845 5/13/2016	EL-106R 8977630 1797829 5/4/2017	EL-106R 9580970 1936930 4/26/2018	EL-106R 2040573 1041946 4/24/2019	EL-106R 1306497 2097790 4/28/2020	EL-106R 410-36712-1 410-36712-1 4/20/2021	EL-106R 410-81936-1 410-81936-1 4/27/2022
Volatiles (µg/L; Method SW8260B/C/D)																			
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene Dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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m,p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl Iodide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl Acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Pesticides (µg/L; Method 8081A)																				
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dissolved Metals (mg/L)																				
Arsenic (7060A/200.8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cadmium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron (6010B/200.8)	1.13	1.37	1.29	0.25	2.12	2.13	2.54	2.69	3.39	2.49	2.75	2.04	2.01	2.40	1.94	1.97	2.62	2.55	2.31	
Manganese (6010B/200.8)	2.18	2.15	0.079	6.43	8.3	8.59	6.48	7.39	8.28	7.85	6.74	6.36	6.52	6.05	7.02	6.62	7.97	9.21	9.40	
Conventionals																				
Chloride (mg/L) (325.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Nitrate (mg-N/L) (calc.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate + Nitrite (mg-N/L) (353.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate (mg/L) (375.2, 300.0)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chemical Oxygen Demand (mg/L) (410.4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (mg/L) (415.1, SM5310C)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Un-ionized Ammonia (µg NH3/L) (a)																				
Minimum (b)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Maximum (c)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
Field Parameters																				
pH	6.57	NM	6.21	6.84	6.94	7.02	6.78	6.36	6.56	5.76	6.00	6.23	6.52	NA	6.45	6.55	6.77	6.30	6.61	
Temperature (°C)	13.0	NM	12.7	13.6	12.6	13.6	14.0	13.8	16.9	13.8	12.7	12.7	13.7	NA	14.3	13.8	14.1	14.3	13.8	
Specific Conductivity (µS)	330	NM	252	469	645	121	19	500	564	515	476	405	349	NA	555	538	499	723	741	

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Former Eastgate Landfill

Analyte	Sample Location, Lab ID, Lab Data Package ID, Sample Date																				
	EL-106R 410-124751-1 410-124751-1 4/28/2023	EL-106R 410-169406-1 410-169406-2 4/25/2024	EL-106R 410-218347-1 410-218347-1 4/21/2025	French Drain CB90 CB90 9/1/2000	French Drain CO72E CO72 12/13/2000	French Drain CX61H CX61 3/29/2001	French Drain DG04H DG04 6/14/2001	French Drain EE52B EE52 3/18/2002	French Drain EE52A EE52 3/18/2002	French Drain ER96D ER96 8/28/2002	French Drain FK21E FK21 4/17/2003	French Drain GN17D GN17 4/08/2004	French Drain IA68E IA68 5/9/2005	French Drain JIS8E JIS8 5/9/2006	French Drain LT21A LT21 10/10/2007	French Drain NV83E NV83 10/21/2008	French Drain PE53A PE53 6/24/2009	French Drain QW57E QW57 5/14/2010	French Drain SY24E SY24 05/23/2011	French Drain 6644941 1307589 5/8/2012	French Drain 7055033 1389676 05/13/2013
Volatiles (µg/L; Method SW8260B/C/D)																					
1,1,1,2-Tetrachloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,1,1-Trichloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,1,2-Trichloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,1-Dichloroethene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	NA	NA	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	NA	NA	NA	3.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	NA	NA	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	NA	NA	1.0 U	0.2	0.2 U	0.3	0.3	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2	0.2 U	8.2	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	2.0 U	2.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	NA	NA	NA	1.0 J	1.8	0.9	1.9	1.6	0.2 U	1.7	1.3	1.7	1.8	1.3	0.5	1.0	1.6	1.4	0.9	0.9	1.2
1,2-Dichloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	3.1	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,3-Dichlorobenzene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,3-Dichloropropane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
1,4-Dichlorobenzene	NA	NA	NA	3.8	7.0	5.6	8.8	7.0	0.2 U	6.6	6.3	8.3	8.6	6.0	1.9	4.1	5.9	5.1	3.8	3.7	4.5
2,2-Dichloropropane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
2-Butanone	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloroethylvinylether	NA	NA	NA	5.0 U	0.5 U	R	R	R	R	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	NA
2-Chlorotoluene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
2-Hexanone	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	3.0 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
4-Isopropyltoluene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
4-Methyl-2-Pentanone (MIBK)	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	NA	NA	NA	10	1.0 U	1.0 U	1.0 U	2.4	3.1	4.5	4.3	4.4	3.3	2.7 U	4.3	3.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acrolein	NA	NA	NA	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U
Acrylonitrile	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Benzene	NA	NA	NA	2.2	6.0	3.3	6.6	4.0	0.2 U	4.3	3.5	5.2	5.2	3.8	0.8	2.3	3.2	2.4	1.5	1.5	1.5
Bromobenzene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Bromochloromethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Bromodichloromethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Bromoethane	NA	NA	NA	2.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA
Bromoform	NA	NA	NA	1.0 U	0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Bromomethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	1.0 U	0.5 U	0.5 U
Carbon Disulfide	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Carbon Tetrachloride	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	NA	NA	NA	12	24	12	22	19	0.2 U	19	17 J	27	26	20	5.1	16	24	22	15	16	21
Chloroethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Chloroform	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Dibromomethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Ethylene Dibromide	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Hexachlorobutadiene	NA	NA	NA	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	NA	NA	NA	1.0 U	3.1	1.4	3.3	3.3	0.2 U	2.1	2.3	2.8	3.0	2.7	0.2	0.6	3.0	2.6	1.9	1.9	2.5

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Lab ID, Lab Data Package ID, Sample Date																				
	EL-106R 410-124751-1 410-124751-1 4/28/2023	EL-106R 410-169406-1 410-169406-2 4/25/2024	EL-106R 410-218347-1 410-218347-1 4/21/2025	French Drain CB90 CB90 9/1/2000	French Drain CO72E CO72 12/13/2000	French Drain CX61H CX61 3/29/2001	French Drain DG04H DG04 6/14/2001	French Drain EE52B EE52 3/18/2002	French Drain EE52A EE52 3/18/2002	French Drain ER96D ER96 8/28/2002	French Drain FK21E FK21 4/17/2003	French Drain GN17D GN17 4/08/2004	French Drain IA68E IA68 5/9/2005	French Drain J158E J158 5/9/2006	French Drain LT21A LT21 10/10/2007	French Drain NV83E NV83 10/21/2008	French Drain PE53A PE53 6/24/2009	French Drain QW57E QW57 5/14/2010	French Drain SY24E SY24 05/23/2011	French Drain 6644941 1307589 5/8/2012	French Drain 7055033 1389676 05/13/2013
m,p-Xylene	NA	NA	NA	1.0 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.8 U	0.8 U	0.4 U	0.4 U	0.4 U	1.1	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
Methyl Iodide	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
Methylene Chloride	NA	NA	NA	2.0 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.6 U	0.6 U	0.3 U	0.3 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	NA	NA	NA	4.7 J	18	5.1	17	17	0.5 U	12	9.9	12	15	11	0.5	1.6 J	11	7.5	3.6	3.3	4.1
n-Butylbenzene	NA	NA	NA	1.0 U	0.8	0.4	1.1	1.2	0.2 U	0.7	0.6 M	0.9	1.0	0.8	0.2 U	0.7	0.9	0.9	0.6	0.6	0.8
n-Propylbenzene	NA	NA	NA	1.0 U	2.4	1.1	3.0	3.6	0.2 U	1.8	2.3	2.6	2.9	2.8	0.2	1.1	2.7	2.8	1.9	1.8	2.3
o-Xylene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	1.0	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
sec-Butylbenzene	NA	NA	NA	1.0 U	1.1	0.7	1.3	1.4	0.2 U	0.9	1.0	1.2	1.3	1.1	0.2 U	0.4	1.3	1.2	0.9	0.9	1.2
Styrene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
tert-Butylbenzene	NA	NA	NA	1.0 U	0.2	0.2 U	0.3	0.2	0.2 U	0.2 U	0.4 U	0.4 U	0.3	0.2	0.2 U	0.2 U	0.3	0.2	0.2	0.5 U	0.5 U
Tetrachloroethene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,4-Dichloro-2-butene	NA	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Trichloroethene	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U
Vinyl Acetate	NA	NA	NA	5.0 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	0.5 U
Vinyl Chloride	NA	NA	NA	1.0 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pesticides (µg/L; Method 8081A)																					
Dieldrin	NA	NA	NA	0.10 U	0.10 U	0.10 U	0.10 U	0.0033 U	0.0033 U	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)																					
Arsenic (7060A/200.8)	NA	NA	NA	0.001 U	0.001	0.002	0.001 U	0.001 U	0.0007	0.001	0.001 U	0.002	0.001 U	0.001 U	0.001	0.0006	0.0016	0.0017	NA	NA	NA
Cadmium (6010)	NA	NA	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (6010)	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (6010B/200.8)	3.55	1.99	1.73	2.76	35.1	35.9	42.8	45.8	0.76	15.8	38.9	62.9	66.7	54.3	2.0	3.86	60.6	62.5	54.1	48.6	65.1
Manganese (6010B/200.8)	9.07	7.90	7.05	0.361	0.645	0.767	0.575	0.719	1.35	0.385	0.700	0.777	0.812	0.741	0.352	0.373	0.629	0.748	0.835	0.668	0.747
Conventionals																					
Chloride (mg/L) (325.2, 300.0)	NA	NA	NA	76	22	12	25	8.8	1.7	61	8.7	12.4	11.6	11.1	21.7	28.1	12.0	8.5	5.2	5.9	8.0
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	NA	NA	NA	100	61	33	60	28	0.67	100	38	46.3	46.4	44.5	40.8	70.9	45.7	34.1	24.9	25.4	30.2
N-Nitrate (mg-N/L) (calc.)	NA	NA	NA	0.72	0.021	0.010 U	0.010	0.010 U	0.34	0.031	0.012	0.010 U	0.050 U	0.020 UJ	0.225	0.177	0.500 U	0.500 U	0.500 U	0.100 U	0.060
N-Nitrite (mg-N/L) (353.2)	NA	NA	NA	0.05	0.035	0.038	0.043	0.070	0.010 U	0.052	0.032	0.075	0.092	0.024 J	0.012	0.111	0.500 U	0.500 U	0.100 U	0.073	0.070
Nitrate + Nitrite (mg-N/L) (353.2)	NA	NA	NA	0.77	0.056	0.046	0.042	0.035	0.34	0.083	0.044	0.010 U	0.050 U	0.020 U	0.237 J	0.288	0.500 U	0.500 U	0.500 UJ	0.10 U	0.13
Sulfate (mg/L) (375.2, 300.0)	NA	NA	NA	23	19	18	12	11	8.5	8.5	12	29.0 J	7.6	3.8 U	537	24.5	9.5	14.1	0.6	2.1	1.0 U
Chemical Oxygen Demand (mg/L) (410.4)	NA	NA	NA	88	54 UJ	39	66	40	16	83	NA	48.8	45.8	44.8	NA	57.1	48.3	40.1	43.5	55.5	59.4
Total Organic Carbon (mg/L) (415.1, SM5310C)	NA	NA	NA	28	18	14	20	12	6.4	30	NA	16.0	16.3	13.5	14.9	19.2	16.1	13.0	13.7	24.4	17.9
Un-ionized Ammonia (µg NH ₃ /L) (a)																					
Minimum (b)	NC	NC	NC	40	24	13	24	11	0.26	40	15	18.3	18.3	17.6	16.1	28.0	NC	NC	NC	NC	NC
Maximum (c)	NC	NC	NC	36,000	22,000	12,000	22,000	10,000	243	36,000	14,000	16,800	16,800	16,100	14,800	25,700	NC	NC	NC	NC	NC
Field Parameters																					
pH	6.64	6.61	5.41	6.96 J	NM	6.46	6.82	NM	NM	7.03	6.64	6.53	6.71	6.73	7.41	7.75	6.96	7.65	7.09	5.91	6.42
Temperature (°C)	14.9	14.1	14.1	NM	NM	11.9	15.2	NM	NM	16.4	10.3	10.2	11.5	10.3	14.2	12.9	13.1	11.0	11.8	11.3	13.6
Specific Conductivity (µS)	798	575	769	2,000	NM	628	1,529	NM	NM	1,665	700	917	949	778	741	1,193	188	1,697	537	666	664

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Lab ID, Lab Data Package ID, Sample Date											
	French Drain 7462653 1474176 5/13/2014	French Drain 7879586 1559679 5/7/2015	French Drain 8382539 1661845 5/13/2016	French Drain 8977633 1797829 5/4/2017	French Drain 9580976 1936930 4/26/2018	French Drain 2040573 1041952 4/24/2019	French Drain 1306503 2097790 4/28/2020	French Drain 410-36712-5 410-36712-1 4/20/2021	French Drain 410-81936-5 410-81936-1 4/27/2022	French Drain 410-124751-5 410-124751-1 4/28/2023	French Drain 410-169406-1 410-169406-5 4/25/2024	French Drain 410-218347-1 410-218347-5 4/21/2025
Volatiles (µg/L; Method SW8260B/C/D)												
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,1-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2,3-Trichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U
1,2,4-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dibromo-3-chloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichlorobenzene	0.9	1.2	1.3	0.9	0.9	0.9	1.0	1.02	0.693	0.801	0.731	0.625
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3,5-Trimethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	3.6	4.5	4.4	3.1	3.2	3.1	3.7	3.58	2.76	3.29	2.42	2.38
2,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Chloroethylvinylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Isopropyltoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
4-Methyl-2-Pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Acetone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.21	5.00 U	5.00 U
Acrolein	25 UJ	25 U	25 U	25 U	25 U	25 UJ	25 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ	25.0 UJ
Acrylonitrile	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ	5.00 UJ
Benzene	1.1	1.2	1.2	0.9	0.8	0.6	0.7	0.643	0.630	0.465	0.433	0.335
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon Disulfide	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chlorobenzene	18	21	23	16	16	16	18	17.6	13.7	14.8	15.1	14.1
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Chloromethane	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 UJ	0.500 U
cis-1,2-Dichloroethene	0.4	0.2 U	0.2 U	0.4	0.6	0.2 U	0.3	0.200 U	0.350	0.227	0.215	3.31
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Dibromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Ethylene Dibromide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Hexachlorobutadiene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 UJ
Isopropylbenzene	2.2	2.2	2.0	1.6	1.5	1.2	1.3	1.52	1.09	1.15	1.05	1.10

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Analyte	Sample Location, Lab ID, Lab Data Package ID, Sample Date											
	French Drain 7462653 1474176 5/13/2014	French Drain 7879586 1559679 5/7/2015	French Drain 8382539 1661845 5/13/2016	French Drain 8977633 1797829 5/4/2017	French Drain 9580976 1936930 4/26/2018	French Drain 2040573 1041952 4/24/2019	French Drain 1306503 2097790 4/28/2020	French Drain 410-36712-5 410-36712-1 4/20/2021	French Drain 410-81936-5 410-81936-1 4/27/2022	French Drain 410-124751-5 410-124751-1 4/28/2023	French Drain 410-169406-1 410-169406-5 4/25/2024	French Drain 410-218347-1 410-218347-5 4/21/2025
m,p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Naphthalene	2.9	2.5	1.3	0.8	0.8	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
n-Butylbenzene	0.7	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
n-Propylbenzene	1.9	1.9	1.5	1.4	1.3	1.0	1.1	1.24	0.864	1.01	0.797	0.928
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
sec-Butylbenzene	1	1.1	0.9	0.8	0.8	0.7	0.7	0.843	0.593	0.732	0.549	0.634
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
tert-Butylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Toluene	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
trans-1,4-Dichloro-2-butene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Vinyl Acetate	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.500 U	0.500 U	1.00 U	1.00 U	1.00 U
Vinyl Chloride	0.3	0.2 U	0.2 U	0.5	0.3	0.2 U	0.4	0.200 U	0.243	0.200 U	0.200 U	1.43
Pesticides (µg/L; Method 8081A)												
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals (mg/L)												
Arsenic (7060A/200.8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (6010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (6010B/200.8)	53.1	60.9	62.7	55.2	59.3	55.4	55.1	56.1	68.9	51.4	64.7	45.3
Manganese (6010B/200.8)	0.778	0.657	0.600	0.777	0.908	0.673	0.654	0.741	0.783	0.704	0.723	0.812
Conventional												
Chloride (mg/L) (325.2, 300.0)	5.7	6.5	12.6	6.7	6.6	4.3	8.2	9.06	6.94	7.50 U	4.88	3.46
N-Ammonia (mg-N/L) (350.1M, SM4500-NH3D)	24.9	43.8	47.8	25.3	24.7	34.7	36.4	40.4	28.9 J	18.7	31.0	48.5
N-Nitrate (mg-N/L) (calc.)	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
N-Nitrite (mg-N/L) (353.2)	0.065	0.18	0.089	0.10	0.050 U	0.050 U	0.050 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0200 U
Nitrate + Nitrite (mg-N/L) (353.2)	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NA	0.100 U	0.100 U	0.100 U	0.100 U
Sulfate (mg/L) (375.2, 300.0)	3.0	1.8	1.2	1.8	4.2	10.3	5.8	5.00 U	9.41	7.50 U	2.73	5.68
Chemical Oxygen Demand (mg/L) (410.4)	50.0 U	50.0 U	64.7	50.0 U	50.0 U	50.0 U	75.0 U	75.0 U	75.0 U	75.0 U	75.0 U	75.0 U
Total Organic Carbon (mg/L) (415.1, SM5310C)	12.8	14.0	14.2	10.6	9.8	10.6	11.6	11.4	15.5	8.33	11.4	10.1
Un-ionized Ammonia (µg NH ₃ /L) (a)												
Minimum (b)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Maximum (c)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Field Parameters												
pH	7.32	6.35	6.43	6.43	6.38	6.35	6.43	6.48	6.60	6.52	6.40	6.45
Temperature (°C)	10.8	11.2	13.0	12.0	12.1	11.5	11.6	11.6	10.3	12.1	11.2	10.9
Specific Conductivity (µS)	637	775	923	859	647	692	760	794	752	853	728	904

Table 2
Summary of Groundwater and Surface Water Analytical Results
2025 Annual and Historical Sampling Events
Former Eastgate Landfill

Abbreviations and Acronyms:

- °C = degrees Celsius
- µg/L = micrograms per liter
- µg/S = micrograms per Siemen
- µg NH₃/L = micrograms ammonia per liter
- Calc = calculated
- ID = identification
- mg/L = milligrams per liter
- mg-N/L = milligrams nitrate per liter
- NA = not analyzed.
- NC = not calculated
- NM = not measured
- SDup = Split sample collected by Dalton, Olmsted & Fuglevand, Inc. for Spieker Properties, prospective purchaser of property and analyzed by North Creek Analytical, Inc

Notes:

- U = Indicates compound was analyzed for, but was not detected at the given reporting limit
- UJ = Indicates the analyte was not detected in the sample; the sample reporting limit is an estimate
- M = Indicates an estimated value of analyte found and confirmed by analyst, but with low spectral match
- J = Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
- R = The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified
- (a) Un-ionized ammonia concentrations calculated for T = 5 - 25 °C, and pH = 6.5 - 9 in Lake Sammamish
- (b) Minimum un-ionized ammonia concentrations calculated based on a temperature of 5 °C and a pH of 6.5.
- (c) Maximum un-ionized ammonia concentrations calculated based on a temperature of 25 °C and a pH of 9.

Table 3
Summary of Groundwater and Surface Water Analytical Results
for Detected Constituents for Last Four Consecutive Sampling Events
Former Eastgate Landfill

Analyte	Screening Levels (a)	Sample Location, Lab ID, Lab Data Package ID, Sample Date													
		EL-103	EL-100	EL-103	EL-100	EL-103	EL-100	EL-103	EL-100	EL-103	EL-100	EL-105	EL-105	EL-105	EL-105
		410-81936-4	410-81936-3	410-124751-4	410-124751-3	410-169406-1	410-169406-1	410-218347-1	410-218347-1	410-81936-2	410-124751-2	410-169406-1	410-218347-1		
		410-81936-1	410-81936-1	410-124751-1	410-124751-1	410-169406-3	410-169406-4	410-218347-3	410-218347-4	410-81936-1	410-124751-1	410-169406-1	410-218347-2		
		4/27/2022	4/27/2022	4/28/2023	4/28/2023	4/25/2024	4/25/2024	4/21/2025	4/21/2025	4/27/2022	4/28/2023	4/25/2024	4/21/2025		
Volatiles (µg/L; Method SW8260B/C)															
1,2-Dichlorobenzene	600	1.07	1.12	1.38	1.56	1.32	2.50 U	1.19	1.23	NA	NA	NA	NA		
1,4-Dichlorobenzene	1.8	1.66	1.78	2.08	2.40	1.94	2.50 U	1.70	1.85	NA	NA	NA	NA		
Acetone	800	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	25.0 U	5.00 U	5.00 U	NA	NA	NA	NA		
Benzene	5	1.04	1.13	0.935	1.04	0.819	1.00 U	0.656	0.688	NA	NA	NA	NA		
Chlorobenzene	100	17.6	19.3	21.9	24.3	21.4	17.8	20.3	21.6	NA	NA	NA	NA		
cis-1,2-Dichloroethene	70	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U	NA	NA	NA	NA		
Isopropylbenzene	1600	0.607	0.663	0.709	0.795	0.617	2.50 U	0.500 U	0.501	NA	NA	NA	NA		
n-Propylbenzene	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U	NA	NA	NA	NA		
sec-Butylbenzene	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	2.50 U	0.500 U	0.500 U	NA	NA	NA	NA		
Vinyl Chloride	0.8	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1.00 U	0.200 U	0.200 U	NA	NA	NA	NA		
Dissolved Metals (mg/L)															
Arsenic (7060A/200.8)	0.004	0.0342	0.0353	0.0316	0.0318	0.0333	0.0327	0.0304	0.0316	0.00528	0.00206 U	0.00206 U	0.00206 U		
Iron (6010B/200.8)	0.3	32.8	31.0	28.1	27.7	30.8	30.9	29.5	29.1	3.25	2.54	1.89	1.20		
Manganese (6010B/200.8)	0.05	4.38	4.16	4.04	3.94	4.04	4.11	4.05	4.21	2.53	2.48	2.09	1.82		
Conventionals															
Chloride (mg/L) (325.2, 300.0)	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
N-Ammonia (mg-N/L) (350.1M, SM4500NH3D)	--(b)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate (mg/L) (375.2, 300.0)	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon (mg/L) (415.1, SM5310C)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Field Parameters															
pH	--	6.49	6.49	6.48	6.48	6.36	6.36	6.43	6.43	6.4	6.31	6.16	6.16		
Temperature (°C)	--	11.3	11.3	13.9	13.5	11.7	11.7	11.4	11.4	14.0	15.0	13.0	13.3		
Specific Conductivity (µS)	--	1,134	1,134	1,494	1,494	1,102	1,102	1,499	1,499	217.9	293.1	196.2	273.5		

Table 3
Summary of Groundwater and Surface Water Analytical Results
for Detected Constituents for Last Four Consecutive Sampling Events
Former Eastgate Landfill

Analyte	Screening Levels (a)	Sample Location, Lab ID, Lab Data Package ID, Sample Date							
		EL-106R	EL-106R	EL-106R	EL-106R	FrenchDrain	French Drain	French Drain	French Drain
		410-81936-1 410-81936-1 4/27/2022	410-124751-1 410-124751-1 4/28/2023	410-169406-1 410-169406-2 4/25/2024	410-218347-1 410-218347-1 4/21/2025	410-81936-5 410-81936-1 4/27/2022	410-124751-5 410-124751-1 4/28/2023	410-169406-1 410-169406-5 4/25/2024	410-218347-1 410-218347-5 4/21/2025
Volatiles (µg/L; Method SW8260B/C)									
1,2-Dichlorobenzene	600	NA	NA	NA	NA	0.693	0.801	0.731	0.625
1,4-Dichlorobenzene	1.8	NA	NA	NA	NA	2.76	3.29	2.42	2.38
Acetone	800	NA	NA	NA	NA	5.00 U	5.21	5.00 U	5.00 U
Benzene	5	NA	NA	NA	NA	0.630	0.465	0.433	0.335
Chlorobenzene	100	NA	NA	NA	NA	13.7	14.8	15.1	14.1
cis-1,2-Dichloroethene	70	NA	NA	NA	NA	0.350	0.227	0.215	3.31
Isopropylbenzene	1600	NA	NA	NA	NA	1.09	1.15	1.05	1.10
n-Propylbenzene	--	NA	NA	NA	NA	0.864	1.01	0.797	0.928
sec-Butylbenzene	--	NA	NA	NA	NA	0.593	0.732	0.549	0.634
Vinyl Chloride	0.8	NA	NA	NA	NA	0.243	0.200 U	0.200 U	1.43
Dissolved Metals (mg/L)									
Arsenic (7060A/200.8)	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Iron (6010B/200.8)	0.3	2.31	3.55	1.99	1.73	68.9	51.4	64.7	45.3
Manganese (6010B/200.8)	0.05	9.40	9.07	7.90	7.05	0.783	0.704	0.723	0.812
Conventional									
Chloride (mg/L) (325.2, 300.0)	230	NA	NA	NA	NA	6.94	7.50 U	4.88	3.46
N-Ammonia (mg-N/L) (350.1M, SM4500NH3D)	--(b)	NA	NA	NA	NA	28.9 J	18.7	31.0	48.5
Sulfate (mg/L) (375.2, 300.0)	250	NA	NA	NA	NA	9.41	7.50 U	2.73	5.68
Total Organic Carbon (mg/L) (415.1, SM5310C)	--	NA	NA	NA	NA	15.5	8.33	11.4	10.1
Field Parameters									
pH	--	6.61	6.64	6.61	5.41	6.6	6.52	6.4	6.45
Temperature (°C)	--	13.8	14.9	14.1	14.1	10.3	12.1	11.2	10.9
Specific Conductivity (µS)	--	741	798	575	769	752	853	728	904

Abbreviations and Acronyms:

°C = degrees Celsius

µg/L = micrograms per liter

µg/S = micrograms per Siemen

ID = identification

mg/L = milligrams per liter

mg-N/L = milligrams nitrate per liter

NA = not analyzed

SDG = sample delivery group

Notes:

U = Indicates compound was analyzed for, but was not detected at the given reporting limit.

Bold = Exceedance of screening level.

(a) Screening levels were developed based on federal criteria for drinking water and fresh surface water and practical quantitation limits.

(b) Cleanup level is based on un-ionized ammonia, which is calculated based on total ammonia, pH, and temperature.

Table 4
Groundwater Monitoring Scope
Former Eastgate Landfill

Groundwater Monitoring Event and Activity	Location and Planned Scope of Groundwater Monitoring								
	EL-101R	EL-102	EL-103	EL-104	EL-105	EL-106R	EL-107	French Drain	Pond A
Groundwater Sampling	--	--	VOCs (a), Dissolved Metals (b)	--	Dissolved Metals (b)	Dissolved Metals (c)	--	VOCs (a), Dissolved Metals (c), and Conventional Parameters (d)	--
Water Level Measurements	X	X	X	X	X	X	X	--	X

Notes:

- (a) US Environmental Protection Agency (EPA) Method 8260C, Boeing 69.
- (b) Dissolved metals include arsenic, iron, and manganese. Dissolved metals will be filtered in the field.
- (c) Dissolved metals include only iron and manganese. Dissolved metals will be filtered in the field.
- (d) Conventional include chloride, N-ammonia, N-nitrate, N-nitrite, nitrate + nitrite, sulfate, total organic carbon, and chemical oxygen demand.

Abbreviations and Acronyms:

VOCs = volatile organic compounds

Laboratory Data Reports

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer A Parsons
The Boeing Company
Support Services
PO BOX 34083
Seattle, Washington 98124

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JOB DESCRIPTION

Boeing: Eastgate Regional GW

JOB NUMBER

410-218347-1

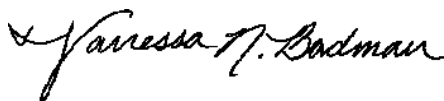
Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Vanessa Badman, Project Manager
Vanessa.Badman@et.eurofinsus.com
(717)556-9762

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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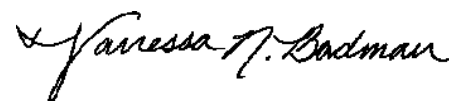


Table of Contents

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	8
Client Sample Results	10
Surrogate Summary	18
QC Sample Results	19
QC Association Summary	29
Lab Chronicle	32
Certification Summary	34
Method Summary	36
Sample Summary	37
Chain of Custody	38
Receipt Checklists	41



Definitions/Glossary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: The Boeing Company
Project: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Job ID: 410-218347-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-218347-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/22/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation and Sample Type (Grab or Composite). This does not meet regulatory requirements. The client provided a revised COC with this information.

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): Trip Blank (410-218347-7).

The laboratory received 4 total containers, while the COC lists 3 total containers. The client provided a revised COC indicating 4 containers were submitted.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): French Drain-250421 (410-218347-5). The container labels list French Drain-250421, while the COC lists French Drain. The client provided a revised COC indicating the container label ID is correct.

The following sample was cancelled for As analysis by the client on 4/23/25: French Drain-250421 (410-218347-5).

GC/MS VOA

Method 8260D_LL: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: EL-103-250421 (410-218347-3), EL-100-250421 (410-218347-4), French Drain-250421 (410-218347-5) and Trip Blank (410-218347-7). The requested target analyte list includes Acrolein and Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-638632 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-638632 recovered above the upper control limit for 2-Hexanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 5310C: The method blank for analytical batch 410-635727 contained total organic carbon above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were either ND or greater than 10X the value found in the method blank.

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: The Boeing Company
Project: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Job ID: 410-218347-1 (Continued)

Eurofins Lancaster Laboratories Environment

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-106R-250421

Lab Sample ID: 410-218347-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.73		0.206		mg/L	1		6010D	Dissolved
Manganese	7.05		0.0103		mg/L	1		6010D	Dissolved

Client Sample ID: EL-105-250421

Lab Sample ID: 410-218347-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.20		0.206		mg/L	1		6010D	Dissolved
Manganese	1.82		0.0103		mg/L	1		6010D	Dissolved

Client Sample ID: EL-103-250421

Lab Sample ID: 410-218347-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.19		0.500		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.70		0.500		ug/L	1		8260D	Total/NA
Benzene	0.656		0.200		ug/L	1		8260D	Total/NA
Chlorobenzene	20.3		0.500		ug/L	1		8260D	Total/NA
Arsenic	30.4		2.06		ug/L	1		200.8 Rev 5.4	Dissolved
Iron	29.5		0.206		mg/L	1		6010D	Dissolved
Manganese	4.05		0.0103		mg/L	1		6010D	Dissolved

Client Sample ID: EL-100-250421

Lab Sample ID: 410-218347-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.23		0.500		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.85		0.500		ug/L	1		8260D	Total/NA
Benzene	0.688		0.200		ug/L	1		8260D	Total/NA
Chlorobenzene	21.6		0.500		ug/L	1		8260D	Total/NA
Isopropylbenzene	0.501		0.500		ug/L	1		8260D	Total/NA
Arsenic	31.6		2.06		ug/L	1		200.8 Rev 5.4	Dissolved
Iron	29.1		0.206		mg/L	1		6010D	Dissolved
Manganese	4.21		0.0103		mg/L	1		6010D	Dissolved

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.625		0.500		ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	2.38		0.500		ug/L	1		8260D	Total/NA
Benzene	0.335		0.200		ug/L	1		8260D	Total/NA
Chlorobenzene	14.1		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.31		0.200		ug/L	1		8260D	Total/NA
Isopropylbenzene	1.10		0.500		ug/L	1		8260D	Total/NA
N-Propylbenzene	0.928		0.500		ug/L	1		8260D	Total/NA
sec-Butylbenzene	0.634		0.500		ug/L	1		8260D	Total/NA
Vinyl chloride	1.43		0.200		ug/L	1		8260D	Total/NA
Sulfate	5.68		1.50		mg/L	1		EPA 300.0 R2.1	Total/NA
Chloride	3.46		1.50		mg/L	1		EPA 300.0 R2.1	Total/NA
Iron	45.3		0.206		mg/L	1		6010D	Dissolved
Manganese	0.812		0.0103		mg/L	1		6010D	Dissolved
Total Organic Carbon	10.1	cn	1.00		mg/L	1		5310C-2011	Total/NA
Ammonia as N	48.5		2.00		mg/L	20		EPA 350.1	Total/NA

Client Sample ID: Rinsate Blank

Lab Sample ID: 410-218347-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

- 1
- 2
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- 14
- 15

Job ID: 410-218347-1

Lab Sample ID: 410-218347-7

No Detections.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-106R-250421

Lab Sample ID: 410-218347-1

Date Collected: 04/21/25 11:29

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.73		0.206		mg/L		04/29/25 10:20	04/29/25 19:52	1
Manganese	7.05		0.0103		mg/L		04/29/25 10:20	04/29/25 19:52	1

Client Sample ID: EL-105-250421

Lab Sample ID: 410-218347-2

Date Collected: 04/21/25 12:07

Matrix: Water

Date Received: 04/22/25 09:50

Method: EPA 200.8 Rev 5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.06	U	2.06		ug/L		04/30/25 12:50	05/02/25 17:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.20		0.206		mg/L		04/30/25 12:50	04/30/25 18:31	1
Manganese	1.82		0.0103		mg/L		04/30/25 12:50	04/30/25 18:31	1

Client Sample ID: EL-103-250421

Lab Sample ID: 410-218347-3

Date Collected: 04/21/25 12:58

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,1,1-Trichloroethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200		ug/L			05/02/25 14:32	1
1,1,2-Trichloroethane	0.200	U	0.200		ug/L			05/02/25 14:32	1
1,1-Dichloroethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,1-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:32	1
1,1-Dichloropropene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2,3-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2,3-Trichloropropane	1.00	U	1.00		ug/L			05/02/25 14:32	1
1,2,4-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2,4-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2-Dibromo-3-Chloropropane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2-Dibromoethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,2-Dichlorobenzene	1.19		0.500		ug/L			05/02/25 14:32	1
1,2-Dichloroethane	0.200	U	0.200		ug/L			05/02/25 14:32	1
1,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,3,5-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,3-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,3-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:32	1
1,4-Dichlorobenzene	1.70		0.500		ug/L			05/02/25 14:32	1
2,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:32	1
2-Butanone	5.00	U	5.00		ug/L			05/02/25 14:32	1
2-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 14:32	1
2-Hexanone	5.00	U cn	5.00		ug/L			05/02/25 14:32	1
4-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 14:32	1
4-Methyl-2-pentanone	5.00	U	5.00		ug/L			05/02/25 14:32	1
Acetone	5.00	U	5.00		ug/L			05/02/25 14:32	1
Acrolein	25.0	U cn	25.0		ug/L			05/02/25 14:32	1
Acrylonitrile	5.00	U cn	5.00		ug/L			05/02/25 14:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-103-250421

Lab Sample ID: 410-218347-3

Date Collected: 04/21/25 12:58

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.656		0.200		ug/L			05/02/25 14:32	1
Bromobenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
Bromochloromethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Bromodichloromethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Bromoform	1.00	U	1.00		ug/L			05/02/25 14:32	1
Bromomethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Carbon disulfide	0.500	U	0.500		ug/L			05/02/25 14:32	1
Carbon tetrachloride	0.200	U	0.200		ug/L			05/02/25 14:32	1
Chlorobenzene	20.3		0.500		ug/L			05/02/25 14:32	1
Chloroethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Chloroform	0.200	U	0.200		ug/L			05/02/25 14:32	1
Chloromethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
cis-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:32	1
cis-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 14:32	1
Dibromochloromethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Dibromomethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Ethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
Freon 113	0.500	U	0.500		ug/L			05/02/25 14:32	1
Hexachlorobutadiene	0.500	U cn	0.500		ug/L			05/02/25 14:32	1
Isopropylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
m&p-Xylene	0.500	U	0.500		ug/L			05/02/25 14:32	1
Methyl iodide	0.500	U	0.500		ug/L			05/02/25 14:32	1
Methylene Chloride	0.500	U	0.500		ug/L			05/02/25 14:32	1
Naphthalene	0.500	U	0.500		ug/L			05/02/25 14:32	1
n-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
N-Propylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
o-Xylene	0.500	U	0.500		ug/L			05/02/25 14:32	1
p-Isopropyltoluene	0.500	U	0.500		ug/L			05/02/25 14:32	1
sec-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
Styrene	0.500	U	0.500		ug/L			05/02/25 14:32	1
tert-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:32	1
Tetrachloroethene	0.200	U	0.200		ug/L			05/02/25 14:32	1
Toluene	0.200	U	0.200		ug/L			05/02/25 14:32	1
trans-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:32	1
trans-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 14:32	1
trans-1,4-Dichloro-2-butene	5.00	U	5.00		ug/L			05/02/25 14:32	1
Trichloroethene	0.200	U	0.200		ug/L			05/02/25 14:32	1
Trichlorofluoromethane	0.500	U	0.500		ug/L			05/02/25 14:32	1
Vinyl acetate	1.00	U	1.00		ug/L			05/02/25 14:32	1
Vinyl chloride	0.200	U	0.200		ug/L			05/02/25 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/02/25 14:32	1
Dibromofluoromethane (Surr)	102		80 - 120		05/02/25 14:32	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/02/25 14:32	1
Toluene-d8 (Surr)	95		80 - 120		05/02/25 14:32	1

Method: EPA 200.8 Rev 5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30.4		2.06		ug/L		04/29/25 10:20	05/02/25 11:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-103-250421

Lab Sample ID: 410-218347-3

Date Collected: 04/21/25 12:58

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	29.5		0.206		mg/L		04/29/25 10:20	04/29/25 19:58	1
Manganese	4.05		0.0103		mg/L		04/29/25 10:20	04/29/25 19:58	1

Client Sample ID: EL-100-250421

Lab Sample ID: 410-218347-4

Date Collected: 04/21/25 13:10

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,1,1-Trichloroethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200		ug/L			05/02/25 14:54	1
1,1,2-Trichloroethane	0.200	U	0.200		ug/L			05/02/25 14:54	1
1,1-Dichloroethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,1-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:54	1
1,1-Dichloropropene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2,3-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2,3-Trichloropropane	1.00	U	1.00		ug/L			05/02/25 14:54	1
1,2,4-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2,4-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2-Dibromo-3-Chloropropane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2-Dibromoethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,2-Dichlorobenzene	1.23		0.500		ug/L			05/02/25 14:54	1
1,2-Dichloroethane	0.200	U	0.200		ug/L			05/02/25 14:54	1
1,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,3,5-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,3-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,3-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:54	1
1,4-Dichlorobenzene	1.85		0.500		ug/L			05/02/25 14:54	1
2,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 14:54	1
2-Butanone	5.00	U	5.00		ug/L			05/02/25 14:54	1
2-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 14:54	1
2-Hexanone	5.00	U cn	5.00		ug/L			05/02/25 14:54	1
4-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 14:54	1
4-Methyl-2-pentanone	5.00	U	5.00		ug/L			05/02/25 14:54	1
Acetone	5.00	U	5.00		ug/L			05/02/25 14:54	1
Acrolein	25.0	U cn	25.0		ug/L			05/02/25 14:54	1
Acrylonitrile	5.00	U cn	5.00		ug/L			05/02/25 14:54	1
Benzene	0.688		0.200		ug/L			05/02/25 14:54	1
Bromobenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
Bromochloromethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Bromodichloromethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Bromoform	1.00	U	1.00		ug/L			05/02/25 14:54	1
Bromomethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Carbon disulfide	0.500	U	0.500		ug/L			05/02/25 14:54	1
Carbon tetrachloride	0.200	U	0.200		ug/L			05/02/25 14:54	1
Chlorobenzene	21.6		0.500		ug/L			05/02/25 14:54	1
Chloroethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Chloroform	0.200	U	0.200		ug/L			05/02/25 14:54	1
Chloromethane	0.500	U	0.500		ug/L			05/02/25 14:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-100-250421

Lab Sample ID: 410-218347-4

Date Collected: 04/21/25 13:10

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:54	1
cis-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 14:54	1
Dibromochloromethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Dibromomethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Ethylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
Freon 113	0.500	U	0.500		ug/L			05/02/25 14:54	1
Hexachlorobutadiene	0.500	U cn	0.500		ug/L			05/02/25 14:54	1
Isopropylbenzene	0.501		0.500		ug/L			05/02/25 14:54	1
m&p-Xylene	0.500	U	0.500		ug/L			05/02/25 14:54	1
Methyl iodide	0.500	U	0.500		ug/L			05/02/25 14:54	1
Methylene Chloride	0.500	U	0.500		ug/L			05/02/25 14:54	1
Naphthalene	0.500	U	0.500		ug/L			05/02/25 14:54	1
n-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
N-Propylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
o-Xylene	0.500	U	0.500		ug/L			05/02/25 14:54	1
p-Isopropyltoluene	0.500	U	0.500		ug/L			05/02/25 14:54	1
sec-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
Styrene	0.500	U	0.500		ug/L			05/02/25 14:54	1
tert-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 14:54	1
Tetrachloroethene	0.200	U	0.200		ug/L			05/02/25 14:54	1
Toluene	0.200	U	0.200		ug/L			05/02/25 14:54	1
trans-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 14:54	1
trans-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 14:54	1
trans-1,4-Dichloro-2-butene	5.00	U	5.00		ug/L			05/02/25 14:54	1
Trichloroethene	0.200	U	0.200		ug/L			05/02/25 14:54	1
Trichlorofluoromethane	0.500	U	0.500		ug/L			05/02/25 14:54	1
Vinyl acetate	1.00	U	1.00		ug/L			05/02/25 14:54	1
Vinyl chloride	0.200	U	0.200		ug/L			05/02/25 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		05/02/25 14:54	1
Dibromofluoromethane (Surr)	99		80 - 120		05/02/25 14:54	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/02/25 14:54	1
Toluene-d8 (Surr)	97		80 - 120		05/02/25 14:54	1

Method: EPA 200.8 Rev 5.4 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31.6		2.06		ug/L		04/29/25 10:20	05/02/25 11:13	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	29.1		0.206		mg/L		04/29/25 10:20	04/29/25 19:21	1
Manganese	4.21		0.0103		mg/L		04/29/25 10:20	04/29/25 19:21	1

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Date Collected: 04/21/25 13:55

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.500	U	0.500		ug/L			05/02/25 15:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Date Collected: 04/21/25 13:55

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200		ug/L			05/02/25 15:16	1
1,1,2-Trichloroethane	0.200	U	0.200		ug/L			05/02/25 15:16	1
1,1-Dichloroethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,1-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 15:16	1
1,1-Dichloropropene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2,3-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2,3-Trichloropropane	1.00	U	1.00		ug/L			05/02/25 15:16	1
1,2,4-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2,4-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2-Dibromo-3-Chloropropane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2-Dibromoethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,2-Dichlorobenzene	0.625		0.500		ug/L			05/02/25 15:16	1
1,2-Dichloroethane	0.200	U	0.200		ug/L			05/02/25 15:16	1
1,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,3,5-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,3-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,3-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 15:16	1
1,4-Dichlorobenzene	2.38		0.500		ug/L			05/02/25 15:16	1
2,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 15:16	1
2-Butanone	5.00	U	5.00		ug/L			05/02/25 15:16	1
2-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 15:16	1
2-Hexanone	5.00	U cn	5.00		ug/L			05/02/25 15:16	1
4-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 15:16	1
4-Methyl-2-pentanone	5.00	U	5.00		ug/L			05/02/25 15:16	1
Acetone	5.00	U	5.00		ug/L			05/02/25 15:16	1
Acrolein	25.0	U cn	25.0		ug/L			05/02/25 15:16	1
Acrylonitrile	5.00	U cn	5.00		ug/L			05/02/25 15:16	1
Benzene	0.335		0.200		ug/L			05/02/25 15:16	1
Bromobenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
Bromochloromethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Bromodichloromethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Bromoform	1.00	U	1.00		ug/L			05/02/25 15:16	1
Bromomethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Carbon disulfide	0.500	U	0.500		ug/L			05/02/25 15:16	1
Carbon tetrachloride	0.200	U	0.200		ug/L			05/02/25 15:16	1
Chlorobenzene	14.1		0.500		ug/L			05/02/25 15:16	1
Chloroethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Chloroform	0.200	U	0.200		ug/L			05/02/25 15:16	1
Chloromethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
cis-1,2-Dichloroethene	3.31		0.200		ug/L			05/02/25 15:16	1
cis-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 15:16	1
Dibromochloromethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Dibromomethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Ethylbenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
Freon 113	0.500	U	0.500		ug/L			05/02/25 15:16	1
Hexachlorobutadiene	0.500	U cn	0.500		ug/L			05/02/25 15:16	1
Isopropylbenzene	1.10		0.500		ug/L			05/02/25 15:16	1
m&p-Xylene	0.500	U	0.500		ug/L			05/02/25 15:16	1

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Date Collected: 04/21/25 13:55

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl iodide	0.500	U	0.500		ug/L			05/02/25 15:16	1
Methylene Chloride	0.500	U	0.500		ug/L			05/02/25 15:16	1
Naphthalene	0.500	U	0.500		ug/L			05/02/25 15:16	1
n-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
N-Propylbenzene	0.928		0.500		ug/L			05/02/25 15:16	1
o-Xylene	0.500	U	0.500		ug/L			05/02/25 15:16	1
p-Isopropyltoluene	0.500	U	0.500		ug/L			05/02/25 15:16	1
sec-Butylbenzene	0.634		0.500		ug/L			05/02/25 15:16	1
Styrene	0.500	U	0.500		ug/L			05/02/25 15:16	1
tert-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 15:16	1
Tetrachloroethene	0.200	U	0.200		ug/L			05/02/25 15:16	1
Toluene	0.200	U	0.200		ug/L			05/02/25 15:16	1
trans-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 15:16	1
trans-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 15:16	1
trans-1,4-Dichloro-2-butene	5.00	U	5.00		ug/L			05/02/25 15:16	1
Trichloroethene	0.200	U	0.200		ug/L			05/02/25 15:16	1
Trichlorofluoromethane	0.500	U	0.500		ug/L			05/02/25 15:16	1
Vinyl acetate	1.00	U	1.00		ug/L			05/02/25 15:16	1
Vinyl chloride	1.43		0.200		ug/L			05/02/25 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		05/02/25 15:16	1
Dibromofluoromethane (Surr)	101		80 - 120		05/02/25 15:16	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/02/25 15:16	1
Toluene-d8 (Surr)	97		80 - 120		05/02/25 15:16	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	5.68		1.50		mg/L			05/03/25 18:16	1
Chloride	3.46		1.50		mg/L			05/03/25 18:16	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	45.3		0.206		mg/L		04/29/25 10:20	04/29/25 19:49	1
Manganese	0.812		0.0103		mg/L		04/29/25 10:20	04/29/25 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.100	U	0.100		mg/L			04/23/25 10:16	1
Nitrate Nitrite as N (EPA 353.2)	0.100	U	0.100		mg/L			05/01/25 20:42	1
Nitrite as N (EPA 353.2)	0.0200	U	0.0200		mg/L			04/23/25 09:03	1
Chemical Oxygen Demand (EPA 410.4)	75.0	U	75.0		mg/L			04/25/25 02:39	1
Total Organic Carbon (SM 5310C-2011)	10.1	cn	1.00		mg/L			04/25/25 07:35	1
Ammonia as N (EPA 350.1)	48.5		2.00		mg/L			05/01/25 11:09	20

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: Rinsate Blank

Lab Sample ID: 410-218347-6

Date Collected: 04/21/25 14:20

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.206	U	0.206		mg/L		04/29/25 10:20	04/29/25 19:55	1
Manganese	0.0103	U	0.0103		mg/L		04/29/25 10:20	04/29/25 19:55	1

Client Sample ID: Trip Blank

Lab Sample ID: 410-218347-7

Date Collected: 04/21/25 00:00

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,1,1-Trichloroethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200		ug/L			05/02/25 11:11	1
1,1,2-Trichloroethane	0.200	U	0.200		ug/L			05/02/25 11:11	1
1,1-Dichloroethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,1-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 11:11	1
1,1-Dichloropropene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2,3-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2,3-Trichloropropane	1.00	U	1.00		ug/L			05/02/25 11:11	1
1,2,4-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2,4-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2-Dibromo-3-Chloropropane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2-Dibromoethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,2-Dichloroethane	0.200	U	0.200		ug/L			05/02/25 11:11	1
1,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,3,5-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,3-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,3-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 11:11	1
1,4-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
2,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 11:11	1
2-Butanone	5.00	U	5.00		ug/L			05/02/25 11:11	1
2-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 11:11	1
2-Hexanone	5.00	U cn	5.00		ug/L			05/02/25 11:11	1
4-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 11:11	1
4-Methyl-2-pentanone	5.00	U	5.00		ug/L			05/02/25 11:11	1
Acetone	5.00	U	5.00		ug/L			05/02/25 11:11	1
Acrolein	25.0	U cn	25.0		ug/L			05/02/25 11:11	1
Acrylonitrile	5.00	U cn	5.00		ug/L			05/02/25 11:11	1
Benzene	0.200	U	0.200		ug/L			05/02/25 11:11	1
Bromobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Bromochloromethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Bromodichloromethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Bromoform	1.00	U	1.00		ug/L			05/02/25 11:11	1
Bromomethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Carbon disulfide	0.500	U	0.500		ug/L			05/02/25 11:11	1
Carbon tetrachloride	0.200	U	0.200		ug/L			05/02/25 11:11	1
Chlorobenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Chloroethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Chloroform	0.200	U	0.200		ug/L			05/02/25 11:11	1
Chloromethane	0.500	U	0.500		ug/L			05/02/25 11:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-218347-7

Date Collected: 04/21/25 00:00

Matrix: Water

Date Received: 04/22/25 09:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 11:11	1
cis-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 11:11	1
Dibromochloromethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Dibromomethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Ethylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Freon 113	0.500	U	0.500		ug/L			05/02/25 11:11	1
Hexachlorobutadiene	0.500	U cn	0.500		ug/L			05/02/25 11:11	1
Isopropylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
m&p-Xylene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Methyl iodide	0.500	U	0.500		ug/L			05/02/25 11:11	1
Methylene Chloride	0.500	U	0.500		ug/L			05/02/25 11:11	1
Naphthalene	0.500	U	0.500		ug/L			05/02/25 11:11	1
n-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
N-Propylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
o-Xylene	0.500	U	0.500		ug/L			05/02/25 11:11	1
p-Isopropyltoluene	0.500	U	0.500		ug/L			05/02/25 11:11	1
sec-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Styrene	0.500	U	0.500		ug/L			05/02/25 11:11	1
tert-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 11:11	1
Tetrachloroethene	0.200	U	0.200		ug/L			05/02/25 11:11	1
Toluene	0.200	U	0.200		ug/L			05/02/25 11:11	1
trans-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 11:11	1
trans-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 11:11	1
trans-1,4-Dichloro-2-butene	5.00	U	5.00		ug/L			05/02/25 11:11	1
Trichloroethene	0.200	U	0.200		ug/L			05/02/25 11:11	1
Trichlorofluoromethane	0.500	U	0.500		ug/L			05/02/25 11:11	1
Vinyl acetate	1.00	U	1.00		ug/L			05/02/25 11:11	1
Vinyl chloride	0.200	U	0.200		ug/L			05/02/25 11:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					05/02/25 11:11	1
Dibromofluoromethane (Surr)	103		80 - 120					05/02/25 11:11	1
4-Bromofluorobenzene (Surr)	90		80 - 120					05/02/25 11:11	1
Toluene-d8 (Surr)	96		80 - 120					05/02/25 11:11	1

Surrogate Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	DBFM	BFB	TOL
		(80-120)	(80-120)	(80-120)	(80-120)
410-218347-3	EL-103-250421	98	102	93	95
410-218347-4	EL-100-250421	101	99	93	97
410-218347-5	French Drain-250421	105	101	93	97
410-218347-7	Trip Blank	104	103	90	96
LCS 410-638632/5	Lab Control Sample	101	100	96	99
LCS 410-638632/7	Lab Control Sample	104	101	91	98
LCSD 410-638632/6	Lab Control Sample Dup	101	101	95	100
LCSD 410-638632/8	Lab Control Sample Dup	104	100	89	97
MB 410-638632/10	Method Blank	104	103	91	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-638632/10

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,1,1-Trichloroethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,1,2,2-Tetrachloroethane	0.200	U	0.200		ug/L			05/02/25 10:49	1
1,1,2-Trichloroethane	0.200	U	0.200		ug/L			05/02/25 10:49	1
1,1-Dichloroethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,1-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 10:49	1
1,1-Dichloropropene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2,3-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2,3-Trichloropropane	1.00	U	1.00		ug/L			05/02/25 10:49	1
1,2,4-Trichlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2,4-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2-Dibromo-3-Chloropropane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2-Dibromoethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,2-Dichloroethane	0.200	U	0.200		ug/L			05/02/25 10:49	1
1,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,3,5-Trimethylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,3-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,3-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 10:49	1
1,4-Dichlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
2,2-Dichloropropane	0.500	U	0.500		ug/L			05/02/25 10:49	1
2-Butanone	5.00	U	5.00		ug/L			05/02/25 10:49	1
2-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 10:49	1
2-Hexanone	5.00	U	5.00		ug/L			05/02/25 10:49	1
4-Chlorotoluene	0.500	U	0.500		ug/L			05/02/25 10:49	1
4-Methyl-2-pentanone	5.00	U	5.00		ug/L			05/02/25 10:49	1
Acetone	5.00	U	5.00		ug/L			05/02/25 10:49	1
Acrolein	25.0	U	25.0		ug/L			05/02/25 10:49	1
Acrylonitrile	5.00	U	5.00		ug/L			05/02/25 10:49	1
Benzene	0.200	U	0.200		ug/L			05/02/25 10:49	1
Bromobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Bromochloromethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Bromodichloromethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Bromoform	1.00	U	1.00		ug/L			05/02/25 10:49	1
Bromomethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Carbon disulfide	0.500	U	0.500		ug/L			05/02/25 10:49	1
Carbon tetrachloride	0.200	U	0.200		ug/L			05/02/25 10:49	1
Chlorobenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Chloroethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Chloroform	0.200	U	0.200		ug/L			05/02/25 10:49	1
Chloromethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
cis-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 10:49	1
cis-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 10:49	1
Dibromochloromethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Dibromomethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Ethylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Freon 113	0.500	U	0.500		ug/L			05/02/25 10:49	1
Hexachlorobutadiene	0.500	U	0.500		ug/L			05/02/25 10:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-638632/10

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
m&p-Xylene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Methyl iodide	0.500	U	0.500		ug/L			05/02/25 10:49	1
Methylene Chloride	0.500	U	0.500		ug/L			05/02/25 10:49	1
Naphthalene	0.500	U	0.500		ug/L			05/02/25 10:49	1
n-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
N-Propylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
o-Xylene	0.500	U	0.500		ug/L			05/02/25 10:49	1
p-Isopropyltoluene	0.500	U	0.500		ug/L			05/02/25 10:49	1
sec-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Styrene	0.500	U	0.500		ug/L			05/02/25 10:49	1
tert-Butylbenzene	0.500	U	0.500		ug/L			05/02/25 10:49	1
Tetrachloroethene	0.200	U	0.200		ug/L			05/02/25 10:49	1
Toluene	0.200	U	0.200		ug/L			05/02/25 10:49	1
trans-1,2-Dichloroethene	0.200	U	0.200		ug/L			05/02/25 10:49	1
trans-1,3-Dichloropropene	0.200	U	0.200		ug/L			05/02/25 10:49	1
trans-1,4-Dichloro-2-butene	5.00	U	5.00		ug/L			05/02/25 10:49	1
Trichloroethene	0.200	U	0.200		ug/L			05/02/25 10:49	1
Trichlorofluoromethane	0.500	U	0.500		ug/L			05/02/25 10:49	1
Vinyl acetate	1.00	U	1.00		ug/L			05/02/25 10:49	1
Vinyl chloride	0.200	U	0.200		ug/L			05/02/25 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		05/02/25 10:49	1
Dibromofluoromethane (Surr)	103		80 - 120		05/02/25 10:49	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/02/25 10:49	1
Toluene-d8 (Surr)	97		80 - 120		05/02/25 10:49	1

Lab Sample ID: LCS 410-638632/5

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.915		ug/L		98	80 - 122
1,1,1-Trichloroethane	5.00	4.913		ug/L		98	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.270		ug/L		105	75 - 123
1,1,2-Trichloroethane	5.00	5.299		ug/L		106	80 - 120
1,1-Dichloroethane	5.00	4.774		ug/L		95	74 - 120
1,1-Dichloroethene	5.00	5.600		ug/L		112	80 - 131
1,1-Dichloropropene	5.00	4.600		ug/L		92	74 - 120
1,2,3-Trichlorobenzene	5.00	4.201		ug/L		84	62 - 141
1,2,3-Trichloropropane	5.00	5.026		ug/L		101	80 - 125
1,2,4-Trichlorobenzene	5.00	4.477		ug/L		90	68 - 122
1,2,4-Trimethylbenzene	5.00	4.984		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.374		ug/L		87	75 - 124
1,2-Dibromoethane	5.00	5.257		ug/L		105	80 - 120
1,2-Dichlorobenzene	5.00	5.082		ug/L		102	80 - 120
1,2-Dichloroethane	5.00	4.870		ug/L		97	69 - 122

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-638632/5

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	4.771		ug/L		95	80 - 120
1,3,5-Trimethylbenzene	5.00	4.994		ug/L		100	80 - 120
1,3-Dichlorobenzene	5.00	5.046		ug/L		101	80 - 120
1,3-Dichloropropane	5.00	4.930		ug/L		99	80 - 120
1,4-Dichlorobenzene	5.00	5.091		ug/L		102	80 - 120
2,2-Dichloropropane	5.00	4.729		ug/L		95	77 - 128
2-Butanone	62.5	65.40		ug/L		105	59 - 141
2-Chlorotoluene	5.00	4.772		ug/L		95	80 - 120
2-Hexanone	62.5	68.49		ug/L		110	52 - 140
4-Chlorotoluene	5.00	4.877		ug/L		98	80 - 120
4-Methyl-2-pentanone	62.5	65.57		ug/L		105	55 - 140
Acetone	62.5	62.37		ug/L		100	60 - 146
Acrolein	36.6	30.02		ug/L		82	45 - 140
Acrylonitrile	25.0	26.67		ug/L		107	64 - 139
Benzene	5.00	4.890		ug/L		98	80 - 120
Bromobenzene	5.00	4.903		ug/L		98	80 - 120
Bromochloromethane	5.00	5.268		ug/L		105	80 - 133
Bromodichloromethane	5.00	4.961		ug/L		99	80 - 123
Bromoform	5.00	4.894		ug/L		98	75 - 126
Bromomethane	5.00	5.198		ug/L		104	63 - 120
Carbon disulfide	5.00	4.483		ug/L		90	67 - 130
Carbon tetrachloride	5.00	4.737		ug/L		95	64 - 141
Chlorobenzene	5.00	5.192		ug/L		104	80 - 120
Chloroethane	5.00	4.634		ug/L		93	63 - 120
Chloroform	5.00	4.920		ug/L		98	80 - 120
Chloromethane	5.00	4.216		ug/L		84	56 - 124
cis-1,2-Dichloroethene	5.00	5.037		ug/L		101	80 - 122
cis-1,3-Dichloropropene	5.00	4.522		ug/L		90	67 - 121
Dibromochloromethane	5.00	5.182		ug/L		104	80 - 123
Dibromomethane	5.00	5.091		ug/L		102	80 - 122
Ethylbenzene	5.00	5.146		ug/L		103	80 - 120
Freon 113	5.00	4.694		ug/L		94	67 - 124
Hexachlorobutadiene	5.00	4.197		ug/L		84	72 - 132
Isopropylbenzene	5.00	5.715		ug/L		114	80 - 120
m&p-Xylene	10.0	10.29		ug/L		103	80 - 120
Methyl iodide	5.00	4.575		ug/L		92	77 - 120
Methylene Chloride	5.00	5.144		ug/L		103	80 - 120
Naphthalene	5.00	4.625		ug/L		92	64 - 135
n-Butylbenzene	5.00	4.918		ug/L		98	74 - 123
N-Propylbenzene	5.00	5.114		ug/L		102	74 - 122
o-Xylene	5.00	5.011		ug/L		100	80 - 120
p-Isopropyltoluene	5.00	5.070		ug/L		101	80 - 120
sec-Butylbenzene	5.00	5.266		ug/L		105	80 - 120
Styrene	5.00	5.070		ug/L		101	80 - 120
tert-Butylbenzene	5.00	4.361		ug/L		87	79 - 120
Tetrachloroethene	5.00	4.677		ug/L		94	80 - 120
Toluene	5.00	5.010		ug/L		100	80 - 120
trans-1,2-Dichloroethene	5.00	5.022		ug/L		100	80 - 122
trans-1,3-Dichloropropene	5.00	4.632		ug/L		93	61 - 129

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-638632/5

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,4-Dichloro-2-butene	25.0	19.64		ug/L		79	13 - 144
Trichloroethene	5.00	4.934		ug/L		99	80 - 120
Trichlorofluoromethane	5.00	4.955		ug/L		99	53 - 136
Vinyl chloride	5.00	4.617		ug/L		92	60 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCS 410-638632/7

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl acetate	12.5	9.908		ug/L		79	64 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	91		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-638632/6

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.054		ug/L		101	80 - 122	3	30
1,1,1,1-Trichloroethane	5.00	4.828		ug/L		97	78 - 126	2	30
1,1,2,2-Tetrachloroethane	5.00	5.263		ug/L		105	75 - 123	0	30
1,1,2-Trichloroethane	5.00	5.327		ug/L		107	80 - 120	1	30
1,1-Dichloroethane	5.00	4.791		ug/L		96	74 - 120	0	30
1,1-Dichloroethene	5.00	5.506		ug/L		110	80 - 131	2	30
1,1-Dichloropropene	5.00	4.595		ug/L		92	74 - 120	0	30
1,2,3-Trichlorobenzene	5.00	4.550		ug/L		91	62 - 141	8	30
1,2,3-Trichloropropane	5.00	5.078		ug/L		102	80 - 125	1	30
1,2,4-Trichlorobenzene	5.00	4.681		ug/L		94	68 - 122	4	30
1,2,4-Trimethylbenzene	5.00	5.011		ug/L		100	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	5.00	4.789		ug/L		96	75 - 124	9	30
1,2-Dibromoethane	5.00	5.200		ug/L		104	80 - 120	1	30
1,2-Dichlorobenzene	5.00	5.208		ug/L		104	80 - 120	2	30
1,2-Dichloroethane	5.00	4.833		ug/L		97	69 - 122	1	30
1,2-Dichloropropane	5.00	4.744		ug/L		95	80 - 120	1	30
1,3,5-Trimethylbenzene	5.00	5.031		ug/L		101	80 - 120	1	30
1,3-Dichlorobenzene	5.00	5.045		ug/L		101	80 - 120	0	30
1,3-Dichloropropane	5.00	4.902		ug/L		98	80 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-638632/6

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	5.00	5.056		ug/L		101	80 - 120	1	30
2,2-Dichloropropane	5.00	4.660		ug/L		93	77 - 128	1	30
2-Butanone	62.5	65.93		ug/L		105	59 - 141	1	30
2-Chlorotoluene	5.00	4.829		ug/L		97	80 - 120	1	30
2-Hexanone	62.5	68.23		ug/L		109	52 - 140	0	30
4-Chlorotoluene	5.00	4.827		ug/L		97	80 - 120	1	30
4-Methyl-2-pentanone	62.5	66.38		ug/L		106	55 - 140	1	30
Acetone	62.5	62.68		ug/L		100	60 - 146	0	30
Acrolein	36.6	31.40		ug/L		86	45 - 140	4	30
Acrylonitrile	25.0	26.99		ug/L		108	64 - 139	1	30
Benzene	5.00	4.877		ug/L		98	80 - 120	0	30
Bromobenzene	5.00	4.921		ug/L		98	80 - 120	0	30
Bromochloromethane	5.00	5.326		ug/L		107	80 - 133	1	30
Bromodichloromethane	5.00	5.006		ug/L		100	80 - 123	1	30
Bromoform	5.00	4.916		ug/L		98	75 - 126	0	30
Bromomethane	5.00	5.249		ug/L		105	63 - 120	1	30
Carbon disulfide	5.00	4.471		ug/L		89	67 - 130	0	30
Carbon tetrachloride	5.00	4.802		ug/L		96	64 - 141	1	30
Chlorobenzene	5.00	5.129		ug/L		103	80 - 120	1	30
Chloroethane	5.00	4.581		ug/L		92	63 - 120	1	30
Chloroform	5.00	4.895		ug/L		98	80 - 120	1	30
Chloromethane	5.00	4.232		ug/L		85	56 - 124	0	30
cis-1,2-Dichloroethene	5.00	5.026		ug/L		101	80 - 122	0	30
cis-1,3-Dichloropropene	5.00	4.542		ug/L		91	67 - 121	0	30
Dibromochloromethane	5.00	5.221		ug/L		104	80 - 123	1	30
Dibromomethane	5.00	5.154		ug/L		103	80 - 122	1	30
Ethylbenzene	5.00	5.100		ug/L		102	80 - 120	1	30
Freon 113	5.00	4.698		ug/L		94	67 - 124	0	30
Hexachlorobutadiene	5.00	4.310		ug/L		86	72 - 132	3	30
Isopropylbenzene	5.00	5.764		ug/L		115	80 - 120	1	30
m&p-Xylene	10.0	10.34		ug/L		103	80 - 120	1	30
Methyl iodide	5.00	4.585		ug/L		92	77 - 120	0	30
Methylene Chloride	5.00	5.159		ug/L		103	80 - 120	0	30
Naphthalene	5.00	5.036		ug/L		101	64 - 135	9	30
n-Butylbenzene	5.00	4.987		ug/L		100	74 - 123	1	30
N-Propylbenzene	5.00	5.132		ug/L		103	74 - 122	0	30
o-Xylene	5.00	5.079		ug/L		102	80 - 120	1	30
p-Isopropyltoluene	5.00	5.094		ug/L		102	80 - 120	0	30
sec-Butylbenzene	5.00	5.223		ug/L		104	80 - 120	1	30
Styrene	5.00	5.151		ug/L		103	80 - 120	2	30
tert-Butylbenzene	5.00	4.362		ug/L		87	79 - 120	0	30
Tetrachloroethene	5.00	4.689		ug/L		94	80 - 120	0	30
Toluene	5.00	4.974		ug/L		99	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	5.046		ug/L		101	80 - 122	0	30
trans-1,3-Dichloropropene	5.00	4.681		ug/L		94	61 - 129	1	30
trans-1,4-Dichloro-2-butene	25.0	19.53		ug/L		78	13 - 144	1	30
Trichloroethene	5.00	4.883		ug/L		98	80 - 120	1	30
Trichlorofluoromethane	5.00	4.915		ug/L		98	53 - 136	1	30
Vinyl chloride	5.00	4.568		ug/L		91	60 - 125	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 410-638632/8

Matrix: Water

Analysis Batch: 638632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl acetate	12.5	10.26		ug/L		82	64 - 145	3	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	89		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-639388/5

Matrix: Water

Analysis Batch: 639388

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.50	U	1.50		mg/L			05/03/25 10:52	1
Chloride	1.50	U	1.50		mg/L			05/03/25 10:52	1

Lab Sample ID: LCS 410-639388/3

Matrix: Water

Analysis Batch: 639388

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	6.923		mg/L		92	90 - 110
Chloride	3.00	2.992		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-639388/4

Matrix: Water

Analysis Batch: 639388

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	7.50	6.881		mg/L		92	90 - 110	1	20
Chloride	3.00	2.984		mg/L		99	90 - 110	0	20

Method: 200.8 Rev 5.4 - Metals (ICP/MS)

Lab Sample ID: MB 410-635239/1-A

Matrix: Water

Analysis Batch: 638939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.06	U	2.06		ug/L		04/29/25 10:20	05/02/25 11:07	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 200.8 Rev 5.4 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-635239/2-A

Matrix: Water

Analysis Batch: 638939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	489.5		ug/L		98	90 - 110

Lab Sample ID: MB 410-637701/1-A

Matrix: Water

Analysis Batch: 639085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 637701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.06	U	2.06		ug/L		04/30/25 12:50	05/02/25 16:21	1

Lab Sample ID: LCS 410-637701/2-A

Matrix: Water

Analysis Batch: 639085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 637701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	507.9		ug/L		102	90 - 110

Lab Sample ID: 410-218347-4 MS

Matrix: Water

Analysis Batch: 638939

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	31.6		500	534.5		ug/L		101	70 - 130

Lab Sample ID: 410-218347-4 MSD

Matrix: Water

Analysis Batch: 638939

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	31.6		500	557.1		ug/L		105	70 - 130	4	20

Lab Sample ID: 410-218347-4 DU

Matrix: Water

Analysis Batch: 638939

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	31.6		31.13		ug/L		1	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-635239/1-A

Matrix: Water

Analysis Batch: 637376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.206	U	0.206		mg/L		04/29/25 10:20	04/29/25 19:14	1
Manganese	0.0103	U	0.0103		mg/L		04/29/25 10:20	04/29/25 19:14	1

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-635239/2-A

Matrix: Water

Analysis Batch: 637376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.815		mg/L		96	87 - 114
Manganese	0.500	0.5202		mg/L		104	90 - 111

Lab Sample ID: MB 410-637701/1-A

Matrix: Water

Analysis Batch: 637919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 637701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.206	U	0.206		mg/L		04/30/25 12:50	04/30/25 18:00	1
Manganese	0.0103	U	0.0103		mg/L		04/30/25 12:50	04/30/25 18:00	1

Lab Sample ID: LCS 410-637701/2-A

Matrix: Water

Analysis Batch: 637919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 637701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.260		mg/L		105	87 - 114
Manganese	0.500	0.5195		mg/L		104	90 - 111

Lab Sample ID: 410-218347-4 MS

Matrix: Water

Analysis Batch: 637376

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	29.1		5.00	34.13	4	mg/L		101	75 - 125
Manganese	4.21		0.500	4.707	4	mg/L		99	75 - 125

Lab Sample ID: 410-218347-4 MSD

Matrix: Water

Analysis Batch: 637376

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	29.1		5.00	34.99	4	mg/L		118	75 - 125	3	20
Manganese	4.21		0.500	4.924	4	mg/L		143	75 - 125	5	20

Lab Sample ID: 410-218347-4 DU

Matrix: Water

Analysis Batch: 637376

Client Sample ID: EL-100-250421

Prep Type: Dissolved

Prep Batch: 635239

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	29.1		28.16		mg/L		3	20
Manganese	4.21		4.122		mg/L		2	20

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-634326/13

Matrix: Water

Analysis Batch: 634326

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.0200	U	0.0200		mg/L			04/23/25 08:58	1

Lab Sample ID: LCS 410-634326/12

Matrix: Water

Analysis Batch: 634326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.400	0.3595		mg/L		90	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-639013/19

Matrix: Water

Analysis Batch: 639013

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.100	U	0.100		mg/L			05/01/25 19:40	1

Lab Sample ID: LCS 410-639013/20

Matrix: Water

Analysis Batch: 639013

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.00	2.074		mg/L		104	90 - 110

Lab Sample ID: LCSD 410-639013/21

Matrix: Water

Analysis Batch: 639013

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.00	2.062		mg/L		103	90 - 110	1	20

Method: 410.4 - COD

Lab Sample ID: MB 410-635382/4

Matrix: Water

Analysis Batch: 635382

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	75.0	U	75.0		mg/L			04/25/25 02:39	1

Lab Sample ID: LCS 410-635382/5

Matrix: Water

Analysis Batch: 635382

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	505.3		mg/L		101	90 - 110

QC Sample Results

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method: 5310C-2011 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 410-635727/7

Matrix: Water

Analysis Batch: 635727

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.00	U	1.00		mg/L			04/24/25 22:12	1

Lab Sample ID: LCS 410-635727/6

Matrix: Water

Analysis Batch: 635727

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	50.0	48.04		mg/L		96	90 - 110

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-638402/17

Matrix: Water

Analysis Batch: 638402

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.100	U	0.100		mg/L			05/01/25 10:54	1

Lab Sample ID: LCS 410-638402/15

Matrix: Water

Analysis Batch: 638402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.002		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-638402/16

Matrix: Water

Analysis Batch: 638402

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	2.00	2.068		mg/L		103	90 - 110	3	15

QC Association Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

GC/MS VOA

Analysis Batch: 638632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-3	EL-103-250421	Total/NA	Water	8260D	
410-218347-4	EL-100-250421	Total/NA	Water	8260D	
410-218347-5	French Drain-250421	Total/NA	Water	8260D	
410-218347-7	Trip Blank	Total/NA	Water	8260D	
MB 410-638632/10	Method Blank	Total/NA	Water	8260D	
LCS 410-638632/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-638632/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-638632/6	Lab Control Sample Dup	Total/NA	Water	8260D	
LCSD 410-638632/8	Lab Control Sample Dup	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 639388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	EPA 300.0 R2.1	
MB 410-639388/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-639388/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-639388/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 635239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-1	EL-106R-250421	Dissolved	Water	Non-Digest Prep	
410-218347-3	EL-103-250421	Dissolved	Water	Non-Digest Prep	
410-218347-4	EL-100-250421	Dissolved	Water	Non-Digest Prep	
410-218347-5	French Drain-250421	Dissolved	Water	Non-Digest Prep	
410-218347-6	Rinsate Blank	Dissolved	Water	Non-Digest Prep	
MB 410-635239/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-635239/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-218347-4 MS	EL-100-250421	Dissolved	Water	Non-Digest Prep	
410-218347-4 MSD	EL-100-250421	Dissolved	Water	Non-Digest Prep	
410-218347-4 DU	EL-100-250421	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 637376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-1	EL-106R-250421	Dissolved	Water	6010D	635239
410-218347-3	EL-103-250421	Dissolved	Water	6010D	635239
410-218347-4	EL-100-250421	Dissolved	Water	6010D	635239
410-218347-5	French Drain-250421	Dissolved	Water	6010D	635239
410-218347-6	Rinsate Blank	Dissolved	Water	6010D	635239
MB 410-635239/1-A	Method Blank	Total/NA	Water	6010D	635239
LCS 410-635239/2-A	Lab Control Sample	Total/NA	Water	6010D	635239
410-218347-4 MS	EL-100-250421	Dissolved	Water	6010D	635239
410-218347-4 MSD	EL-100-250421	Dissolved	Water	6010D	635239
410-218347-4 DU	EL-100-250421	Dissolved	Water	6010D	635239

Prep Batch: 637701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-2	EL-105-250421	Dissolved	Water	Non-Digest Prep	
MB 410-637701/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637701/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Metals

Analysis Batch: 637919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-2	EL-105-250421	Dissolved	Water	6010D	637701
MB 410-637701/1-A	Method Blank	Total/NA	Water	6010D	637701
LCS 410-637701/2-A	Lab Control Sample	Total/NA	Water	6010D	637701

Analysis Batch: 638939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-3	EL-103-250421	Dissolved	Water	200.8 Rev 5.4	635239
410-218347-4	EL-100-250421	Dissolved	Water	200.8 Rev 5.4	635239
MB 410-635239/1-A	Method Blank	Total/NA	Water	200.8 Rev 5.4	635239
LCS 410-635239/2-A	Lab Control Sample	Total/NA	Water	200.8 Rev 5.4	635239
410-218347-4 MS	EL-100-250421	Dissolved	Water	200.8 Rev 5.4	635239
410-218347-4 MSD	EL-100-250421	Dissolved	Water	200.8 Rev 5.4	635239
410-218347-4 DU	EL-100-250421	Dissolved	Water	200.8 Rev 5.4	635239

Analysis Batch: 639085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-2	EL-105-250421	Dissolved	Water	200.8 Rev 5.4	637701
MB 410-637701/1-A	Method Blank	Total/NA	Water	200.8 Rev 5.4	637701
LCS 410-637701/2-A	Lab Control Sample	Total/NA	Water	200.8 Rev 5.4	637701

General Chemistry

Analysis Batch: 634326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	353.2	
MB 410-634326/13	Method Blank	Total/NA	Water	353.2	
LCS 410-634326/12	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 634359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	353.2	

Analysis Batch: 635382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	410.4	
MB 410-635382/4	Method Blank	Total/NA	Water	410.4	
LCS 410-635382/5	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 635727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	5310C-2011	
MB 410-635727/7	Method Blank	Total/NA	Water	5310C-2011	
LCS 410-635727/6	Lab Control Sample	Total/NA	Water	5310C-2011	

Analysis Batch: 638402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	EPA 350.1	
MB 410-638402/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-638402/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-638402/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

QC Association Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

General Chemistry

Analysis Batch: 639013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218347-5	French Drain-250421	Total/NA	Water	353.2	
MB 410-639013/19	Method Blank	Total/NA	Water	353.2	
LCS 410-639013/20	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-639013/21	Lab Control Sample Dup	Total/NA	Water	353.2	

Lab Chronicle

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: EL-106R-250421

Lab Sample ID: 410-218347-1

Date Collected: 04/21/25 11:29

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 19:52

Client Sample ID: EL-105-250421

Lab Sample ID: 410-218347-2

Date Collected: 04/21/25 12:07

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			637701	UJL8	ELLE	04/30/25 12:50
Dissolved	Analysis	200.8 Rev 5.4		1	639085	LHF4	ELLE	05/02/25 17:59
Dissolved	Prep	Non-Digest Prep			637701	UJL8	ELLE	04/30/25 12:50
Dissolved	Analysis	6010D		1	637919	T8CQ	ELLE	04/30/25 18:31

Client Sample ID: EL-103-250421

Lab Sample ID: 410-218347-3

Date Collected: 04/21/25 12:58

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638632	N7YK	ELLE	05/02/25 14:32
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	200.8 Rev 5.4		1	638939	SAM2	ELLE	05/02/25 11:29
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 19:58

Client Sample ID: EL-100-250421

Lab Sample ID: 410-218347-4

Date Collected: 04/21/25 13:10

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638632	N7YK	ELLE	05/02/25 14:54
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	200.8 Rev 5.4		1	638939	SAM2	ELLE	05/02/25 11:13
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 19:21

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Date Collected: 04/21/25 13:55

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638632	N7YK	ELLE	05/02/25 15:16
Total/NA	Analysis	EPA 300.0 R2.1		1	639388	PYC6	ELLE	05/03/25 18:16
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 19:49
Total/NA	Analysis	353.2		1	639013	JA6S	ELLE	05/01/25 20:42

Lab Chronicle

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Client Sample ID: French Drain-250421

Lab Sample ID: 410-218347-5

Date Collected: 04/21/25 13:55

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	634326	Q3HN	ELLE	04/23/25 09:03
Total/NA	Analysis	353.2		1	634359	UKJF	ELLE	04/23/25 10:16
Total/NA	Analysis	410.4		1	635382	USAE	ELLE	04/25/25 02:39
Total/NA	Analysis	5310C-2011		1	635727	P684	ELLE	04/25/25 07:35
Total/NA	Analysis	EPA 350.1		20	638402	JCG7	ELLE	05/01/25 11:09

Client Sample ID: Rinsate Blank

Lab Sample ID: 410-218347-6

Date Collected: 04/21/25 14:20

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			635239	UJL8	ELLE	04/29/25 10:20
Dissolved	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 19:55

Client Sample ID: Trip Blank

Lab Sample ID: 410-218347-7

Date Collected: 04/21/25 00:00

Matrix: Water

Date Received: 04/22/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638632	N7YK	ELLE	05/02/25 11:11

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

1
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Method Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
200.8 Rev 5.4	Metals (ICP/MS)	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrate-Nitrite	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
410.4	COD	EPA	ELLE
5310C-2011	Total Organic Carbon/Persulfate - Ultrav	SM	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: The Boeing Company
Project/Site: Boeing: Eastgate Regional GW

Job ID: 410-218347-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-218347-1	EL-106R-250421	Water	04/21/25 11:29	04/22/25 09:50
410-218347-2	EL-105-250421	Water	04/21/25 12:07	04/22/25 09:50
410-218347-3	EL-103-250421	Water	04/21/25 12:58	04/22/25 09:50
410-218347-4	EL-100-250421	Water	04/21/25 13:10	04/22/25 09:50
410-218347-5	French Drain-250421	Water	04/21/25 13:55	04/22/25 09:50
410-218347-6	Rinsate Blank	Water	04/21/25 14:20	04/22/25 09:50
410-218347-7	Trip Blank	Water	04/21/25 00:00	04/22/25 09:50



Chain-of-Custody Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178

☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ [unclear]

Date 4-21-25
Page 1 of 1

Turnaround Time:
Standard _____
Accelerated _____

Project Name EASTATE REGIONAL HW Project No. 0025217.005.049

Project Location/Event BELLEVUE, WA / EASTATE LANDFILL APRIL 2025

Sampler's Name ELIZABETH SCHILLER

Project Contact CHRIS KIMMEL, JEN PARSONS, DEVON BRANDT

Send Results To CKIMMEL@LANDAUVINC.COM DBRANDT@LANDAUVINC.COM
DATA@LANDAUVINC.COM



410-218347 Chain of Custody

Shipment Method:

Stored on ice: ☒ Yes ☐ No

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters
EL-106R-250421	4-21-25	1129	AQ	1	X
EL-105-250421	4-21-25	1207	AQ	2	X X
EL-103-250421	4-21-25	1258	AQ	5	X X X
EL-100-250421	4-21-25	1310	AQ	5	X X X
FRENCH French Drain-250421	4-21-25	1355	AQ	10	X X X X X X X X
BINSATE BLANK	4-21-25	1420	AQ	1	X
TRIP BLANK	-	-	AQ	34	X

Observations/Comments

- Allow water samples to settle, collect aliquot from clear portion ☐
- NWTPH-Dx - Acid wash cleanup ☐
- Silica gel cleanup ☐
- Dissolved metal samples were field filtered

Other All sample are grab samples

Revised 4/22/25
ECS

Relinquished by
Signature [Signature]
Printed Name Elizabeth Schiller
Company LANDAU
Date 4-21-25 Time 1500

Received by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Relinquished by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Received by
Signature [Signature]
Printed Name Leah Foreman
Company EWB
Date 4/22/25 Time 0950



Chain-of-Custody Record

☒ North Seattle (206) 631-8660
☐ Tacoma (253) 926-2493
☐ Olympia (360) 791-3178
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080

Date 4-21-25
Page 1 of 1

Turnaround Time:
Standard _____
Accelerated _____

Project Name BELLEVUE REGIONAL HW Project No. 0025217.005.049

Project Location/Event BELLEVUE, WA / EASTWATE LANDFILL APRIL 2025

Sampler's Name ELIZABETH SCHILLER

Project Contact CHRIS KEMMEL, JEN PARSONS, DEVON BRANDT

Send Results To CKEMMEL@LANDAUVINC.COM DBRANDT@LANDAUVINC.COM
DATA@LANDAUVINC.COM



410-218347 Chain of Custody

Shipment Method:

Stored on ice: ☒ Yes ☐ No

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters
EL-106R-250421	4-21-25	1129	AQ	1	X
EL-105-250421	4-21-25	1207	AQ	2	X X
EL-103-250421	4-21-25	1258	AQ	5	X X X
EL-100-250421	4-21-25	1310	AQ	5	X X X
FRENCH French Drain-250421	4-21-25	1355	AQ	10	X X X X X X X X
BINSATE BLANK	4-21-25	1420	AQ	1	X
TRIP BLANK	-	-	AQ	34	X

Observations/Comments

— Allow water samples to settle, collect aliquot from clear portion ☐

— NWTPH-Dx - Acid wash cleanup ☐
— Silica gel cleanup ☐

X Dissolved metal samples were field filtered

Other ☐ All sample are grab samples

French Drain-250421 should not be analyzed for As
All dissolved metals samples were field filtered
KES 4/23/2025

Revised 4/22/25
ECS

Relinquished by [Signature]
Signature _____
Printed Name Elizabeth Schiller
Company LANDAU
Date 4-21-25 Time 1500

Received by _____
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Relinquished by _____
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Received by [Signature]
Signature _____
Printed Name Leah Foreman
Company EWB
Date 4/22/25 Time 0950

Login Sample Receipt Checklist

Client: The Boeing Company

Job Number: 410-218347-1

Login Number: 218347

List Number: 1

Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Laboratory Data Quality Evaluation



TECHNICAL MEMORANDUM

TO: Project File
FROM: Kristi Schultz
DATE: May 12, 2025
RE: Former Boeing Eastgate Landfill
April 21, 2025 Interim Groundwater Monitoring Sample Results
Laboratory Data Quality Evaluation
Project No. 0025089.125.043

This technical memorandum provides the results of a data quality evaluation for five groundwater samples, one rinsate blank, and one trip blank collected at the former Eastgate Landfill on April 21, 2025. A data quality evaluation was performed on the following analyses:

- Volatile organic compounds (VOCs; US Environmental Protection Agency [EPA] Method SW-846 8260D)
- Dissolved metals (EPA Method 200.8 Rev 5.4 [arsenic] and Method SW6010D [iron and manganese])
- Ammonia as nitrogen (EPA Method 350.1)
- Total Organic Carbon (TOC; Method SM 5310 C-2011)
- Chemical Oxygen Demand (COD; EPA Method 410.4)
- Chloride and sulfate (EPA Method 300.0)
- Nitrate as nitrogen and Nitrite as nitrogen (EPA Method 353.2).

All of the above analyses were performed by Eurofins Lancaster Laboratories Environmental, LLC (ELLE) located in Lancaster, Pennsylvania. This data quality evaluation covers ELLE data package 410-218347-1.

The Stage 2A verification and validation check was conducted in accordance with the Confirmational Groundwater Monitoring Former Eastgate Landfill Work Plan (LAI 2002), and with guidance from applicable portions of EPA's *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 2020b) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (EPA 2020a).

The Stage 2A verification and validation check for each laboratory data package included the following:

- Verification that the laboratory data package contained all necessary documentation (including chain-of-custody records; identification of samples received by the laboratory; date and time of receipt of the samples at the laboratory; sample conditions upon receipt at the laboratory; date and time of sample analysis; and, if applicable, date of extraction, definition of laboratory data qualifiers, all sample-related quality control data, and quality control acceptance criteria).

- Verification that all requested analyses, special cleanups, and special handling methods were performed.
- Verification that quality control samples were performed as specified in the project Work Plan.
- Evaluation of sample holding times.
- Evaluation of quality control data compared to acceptance criteria, including method blanks, field trip blanks, surrogate recoveries, laboratory control sample results, and blind field duplicate pair relative percent differences (RPD).
- Evaluation of reporting limits compared to target reporting limits specified in the project Work Plan.

Data validation qualifiers are added to sample results based on the evaluation of data quality. The absence of a data qualifier indicates that the data is acceptable without qualification. Data qualifiers are summarized in Table 1. The data quality evaluation is summarized below.

LABORATORY DATA PACKAGE COMPLETENESS

Each laboratory data package contained a signed chain-of-custody (COC), a cooler receipt form documenting the condition of the samples upon receipt at the laboratory, a cooler temperature compliance form, sample analytical results, and quality control results (method blanks, field trip blanks, surrogate recoveries, and laboratory control sample results). A case narrative identifying any complications was also provided with each laboratory data package. Definitions of laboratory qualifiers and quality control acceptance criteria were provided, as appropriate.

The laboratory case narrative indicated that several pieces of information were missing from the COC, and that it does not meet regulatory requirements. Most of the items listed in the narrative are not specific requirements in Washington State but are within Pennsylvania, where the laboratory is located. The laboratory did indicate an extra container was received for trip blank. The laboratory also indicated the containers for French Drain were listed as French Drain-250421. Dissolved arsenic was cancelled for French Drain-250421 by Landau on April 23, 2025. A revised COC was provided including the French Drain-250421 corrected name, the removal of dissolved arsenic from French Drain-250421, and an extra container of trip blank.

SAMPLE CONDITIONS AND ANALYSIS

A signed COC record was attached to the data packages. The laboratory received all samples in good condition, with the following exception:

- Preservation requirements for acrolein and acrylonitrile associated with the VOC samples were not met (samples were preserved with hydrochloric acid; these compounds degrade in acidic mediums). The results for the associated compounds were qualified as estimated (UJ), as indicated in Table 1.

All analyses were performed as requested. No special cleanups or handling methods were requested.

Upon receipt by ELLE, the sample container information was compared to the associated chain-of-custody, and the cooler temperatures were recorded. Coolers were received with temperatures within the EPA-recommended limit of $\leq 6^{\circ}\text{C}$. No qualification of the data was necessary.

HOLDING TIMES

For all analyses and all samples, the time between sample collection, extraction (if applicable), and analysis was determined to be within EPA- and project-specified holding times. No qualification of the data was necessary.

BLANK RESULTS

Method Blanks

At least one method blank was analyzed with each batch of samples. Target analytes were not detected at concentrations greater than the reporting limits in the associated method blanks. No qualification of the data was necessary.

Field Trip Blanks

At least one field (trip) blank and one field (rinsate) blank were analyzed with each batch of samples submitted to the laboratory. Target analytes were not detected at concentrations greater than the reporting limits in the associated field blanks. No qualification of the data was necessary.

SURROGATE SPIKE RECOVERIES

Appropriate compounds were used as surrogate spikes. Recovery values for the surrogate spikes were within the current laboratory-specified control limits for all project samples. No qualification of the data was necessary.

MATRIX SPIKE AND LABORATORY DUPLICATE RESULTS

No project sample-specific matrix spike (MS) and/or laboratory duplicate samples were analyzed for this sampling event. No qualification of the data was necessary.

LABORATORY CONTROL SAMPLE (BLANK SPIKE) RESULTS

At least one laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) was analyzed with this batch of samples for each analysis. Recoveries and relative percent differences (RPDs) for the laboratory control samples and associated duplicates were within the current laboratory-specified control limits. No qualification of the data was necessary.

BLIND FIELD DUPLICATE RESULTS

One blind field duplicate sample pair (EL-100-250421/EL-103-250421) was collected with the groundwater samples meeting the requirement specified in the work plan of one duplicate per 20 samples but no less than one blank per sampling round. RPDs between the blind field duplicate sample and parent results were within the project-specified control limit of 20 percent. No qualification of the data was necessary.

QUANTITATION LIMITS

Method and/or project-specified reporting limits were met for each sample for each analysis. No qualification of the data was necessary.

AUDIT/CORRECTIVE ACTION RECORDS

No corrective action records were generated for these sample batches. Based on the laboratory's case narratives, continuing calibration verification (CCV) recovery results were within laboratory-specified control limits, with the following exceptions:

- The CCV recoveries for batch 410-638632 was low for hexachlorobutadiene. The associated sample results were qualified as estimated (J, UJ), as indicated in Table 1.
- The CCV recoveries for batch 410-638632 was high for 2-hexanone. Associated samples were non-detect for the affected compounds; no qualification of the data was necessary.

OVERALL DATA QUALITY AND COMPLETENESS

The completeness for this data set is 100 percent, which meets the project-specified goal of 95 percent minimum.

Data precision was evaluated through laboratory control duplicate samples, laboratory duplicates, and blind field duplicate samples. Data accuracy was evaluated through laboratory control samples and surrogate spikes. Based on this Stage 2A data quality verification and validation, all of the data were determined to be acceptable. No data were rejected.

LANDAU ASSOCIATES, INC.



Penny Cormier
Data Specialist

PRC/DRJ/ljl/bkc
[P:\025\089\FILERM\T\DATA\DV MEMOS\2025 APRIL DV_TM.DOCX]

Attachments

Table 1. Summary of Data Qualifiers

References

- EPA. 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. OLEM 9240.1-66; EPA-542-R-20-006. US Environmental Protection Agency. November.
https://www.epa.gov/sites/default/files/2021-03/documents/nfg_for_inorganic_superfund_methods_data_review_november_2020.pdf.
- EPA. 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. OLEM 9240.0-51; EPA-540-R-20-005. US Environmental Protection Agency. November.
https://www.epa.gov/sites/default/files/2021-03/documents/nfg_for_organic_superfund_methods_data_review_november_2020.pdf.
- Landau. 2002. Work Plan, Confirmation Groundwater Monitoring, Former Eastgate Landfill, Bellevue, Washington. Edmonds, Washington: Landau Associates.

Table 1
Summary of Data Qualifiers
April 2024 Event Water Sampling Results
Boeing Eastgate

Lab SDG	Sample ID	Analyte	Conc.	Lab Qualifier	Data Qualifier	Reason Code
410-218347-1	EL-103-250421	Acrolein	25.0	U cn	UJ	Improper sample preservation
410-218347-1	EL-103-250421	Acrylonitrile	5.00	U cn	UJ	Improper sample preservation
410-218347-1	EL-103-250421	Hexachlorobutadiene	0.500	U cn	UJ	Low continuing calibration recovery
410-218347-1	EL-100-250421	Acrolein	25	U cn	UJ	Improper sample preservation
410-218347-1	EL-100-250421	Acrylonitrile	5.0	U cn	UJ	Improper sample preservation
410-218347-1	EL-100-250421	Hexachlorobutadiene	0.50	U cn	UJ	Low continuing calibration recovery
410-218347-1	French Drain-250421	Acrolein	25.0	U cn	UJ	Improper sample preservation
410-218347-1	French Drain-250421	Acrylonitrile	5.00	U cn	UJ	Improper sample preservation
410-218347-1	French Drain-250421	Hexachlorobutadiene	0.500	U cn	UJ	Low continuing calibration recovery

Notes:

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Abbreviations/Acronyms:

ID = identification

SDG = sample delivery group