7428 Rockville Road, Indianapolis, IN 46214

June 24, 2024

Mr. Andrew Sliker
Indiana Department of Environmental Management
Office of Land Quality
Petroleum Branch
Petroleum Remediation Section
100 North Senate Avenue, IGCN 1101
Indianapolis, Indiana 46204

Re: Site Check Report
Citgo
2729 Mitchell Road
Bedford, Lawrence County, Indiana
IDEM Incident No. 202311516
IDEM FID No. 4846

Dear Mr. Sliker:

Attached please find the Site Check Report prepared by IWM Consulting Group, LLC (IWM Consulting) on behalf of Armani Holding, Inc. for the Citgo facility located at 2729 Mitchell Road, Bedford, Indiana. If you have any questions, please contact me at (317) 565-1618 or email mhall@iwmconsult.com.

Sincerely,

IWM CONSULTING GROUP, LLC

Mandy Hall

Mandy L. Hall, CHMM #13989
Project Manager

SITE CHECK REPORT
CITGO
2729 MITCHELL ROAD
BEDFORD, LAWRENCE COUNTY, INDIANA
IDEM INCIDENT No. 202311516
IDEM FID No. 4846

Prepared For:

Indiana Department of Environmental Management
Office of Land Quality
Underground Storage Tank Branch
Leaking Underground Storage Tank Section
100 North Senate Avenue, IGCN 1101
Indianapolis, Indiana 46204
Attn: Andrew Sliker

IWM Consulting Group
7428 Rockville Road
Indianapolis, Indiana 46214
(317) 347-1111

Project No. IN24025

June 24, 2024

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 EXECUTIVE SUMMARY

IWM Consulting Group, LLC (IWM Consulting) has prepared this *Site Check Report* on behalf of Armani Holding, Inc. for the Citgo facility located at 2729 Mitchell Road in Bedford, Lawrence County, Indiana (hereinafter referred to as the site). The *Site Check Report* was prepared to investigate a suspected release (Incident No. 202311516) that was reported to the Indiana Department of Environmental Management (IDEM) Petroleum Remediation Section (PRS) by IWM Consulting on November 28, 2023 due to a failed tank tightness test on the regular gasoline underground storage tank (UST) completed on November 28, 2023. In a *Release Investigation and Confirmation Steps Request* letter dated April 9, 2024, IDEM stated that a Site Check must be performed as specified in 40 CFR Part 280.52(b) to measure for the presence of a release where contamination is most likely to be present.

On May 28, 2024, IWM Consulting oversaw the advancement of two soil borings (GP-1 and GP-2) around the regular gasoline UST which is located within a common cavity on the northern portion of the site. Soil samples and groundwater samples collected from the soil borings were submitted for laboratory analysis of volatile organic compounds (VOCs) and total lead. No adsorbed VOCs or lead were detected at concentrations exceeding *Risk-Based Closure Guide* (R2) Excavation Soil Published Levels (XSPLs), Commercial Soil Published Levels (CSPLs), or Residential Soil Published Levels (RSPLs).

A number of VOC concentrations were detected in the water sample collected from soil boring GP-2 exceeding R2 Groundwater Published Levels (GWPLs). Soil boring GP-2 is located north of the UST cavity. An environmental restrictive covenant (ERC) was recorded for the site at the Lawrence County Recorder's Office on October 13, 2020. The ERC restricts the use of groundwater onsite and requires confirmation that vapor mitigation is not necessary should the site undergo new construction or change in the use of the site.

Based upon the results of this Site Check, the reported release from the regular gasoline UST is confirmed; however, the exposure risk of vapor intrusion (inhalation), groundwater ingestion, and direct contact (adsorption) onsite is minimal. In addition, five USTs located onsite are scheduled to be removed by the end of July 2024, eliminating the source of petroleum impacts to the subsurface.

Site specific groundwater flow is to the southeast. The risk of the dissolved petroleum plume migrating onto downgradient offsite properties is limited to the four lane highway (Mitchell Road) that borders the site to the east. The sanitary sewer line is likely located on the southern portion of the site and does not transverse the dissolved petroleum plume. Therefore, the risk of vapor migration offsite via utility corridor is minimal. The short term and long term risk of vapor intrusion on offsite properties appears to be minimal.

2.0 BACKGROUND INFORMATION

2.1 Regional Location

The site is located within Lawrence County, Bedford, Indiana. The site is located on the Bedford East, Indiana 7.5-minute series United States Geological Survey (USGS) Quadrangle Map within Township 5 North, Range 1 West, and the southwest quarter of Section 23. Universal Transverse Mercator coordinates are 38.847770 º latitude and -86.495018º longitude.

The site is located at an elevation of approximately 645 feet above sea level. Based upon the USGS topographic map, the general topography of the surrounding area slopes towards Leatherwood Creek which is located approximately one mile east of the site. East Fork White River is located approximately two miles south of the site.

A topographic map illustrating the location of the site is provided as **Figure 1 (Site Location Map)**. The surrounding areas and properties are provided as **Figure 2 (Site Vicinity Map)**.

2.2 Site Location

The site is located at 2729 Mitchell Road in Bedford, Indiana, on the northwest corner of the intersection of Mitchell Road and 28th Street. Commercial properties are located to the north, east, and west of the site followed by residential areas to the north and west. Undeveloped land is currently present east of the site beyond the commercial properties. Residential properties are located to the south of the site followed by commercial properties.

The site is occupied by an operating convenience store and gasoline station. The convenience store building is located on the west portion of the site. A UST cavity consisting of two 10,000-gallon gasoline USTs, one 10,000-gallon diesel UST, one 6,000-gallon diesel UST, and one 3,000-gallon kerosene UST is located on the north portion of the site. The five USTs were installed in 1970 and constructed of steel. The canopy is comprised of four fuel dispenser islands and is located east of the building.

Known site utilities consist of a buried natural gas line, buried sanitary sewer, buried water, buried electric lines, and overhead electric lines. A buried natural gas line and buried water line enter the site from the south and enter the building from the west. The location of the buried sanitary sewer is unknown but likely enters the site from the south and enters the building from the west. Buried electric lines enter the building from the east and run east through the canopy area to the east border of the site. Overhead electric lines are present along the east border of the site and enter the building from the south. Surface water appears to drain to the east and north to a storm drain located on the southeast corner of the intersection of 28th Street and Mitchell Road.

The site has historically been occupied by a retail gasoline facility since at least 1970. The site is anticipated to be used for commercial/industrial purposes in the future.

2.3 Regional Geologic & Hydrologic Information

Surficial and Unconsolidated Geology

According to the *Hydrogeologic Atlas of Aquifers in Indiana* (1994), the site is located within the East Fork White River Basin. Glaciers covered the northeastern two-thirds of the basin. Unconsolidated aquifers in this basin are associated with glacial drift and outwash deposits along rivers. According to the USDA Web Soil Survey website for Lawrence County, Indiana (https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx), there are two soil types onsite. Udorthents is the predominant soil type which is characterized as loamy. Frederick silt loam is the second soil type onsite and has 12 to 18 percent slopes.

Bedrock Geology

The Bedrock Geologic Map of Indiana shows bedrock beneath the site as Mississippian shale, siltstone, limestone, and sandstone. Depth to bedrock in the area of the site is approximately 20 feet below ground surface (bgs).

Hydrogeology

As previously mentioned, the site resides in the East Fork White River Basin which contains unconsolidated aquifers consisting of surficial outwash deposits adjacent to rivers, buried sand and gravel, and discontinuous sand and gravel. The main source of groundwater in bedrock is from the carbonate rocks. The site is located in a Source Water Area as determined by IDEM's Source Water Proximity Determination Tool. Bedford's municipal supply wells are located along the East Fork of the White River, approximately 1.75 miles southwest of the site. The site is not located in a Well Head Protection Area.

Depth to waters observed across the site range from approximately 5.5 to 13 feet bgs. The site-specific groundwater flow direction is southeast as determined during prior release investigations.

2.4 Overview of Previous Site Environmental Investigations and Spill History

Review of the IDEM Virtual File Cabinet (VFC) revealed two previous releases. The first release was reported in August 1999 (Incident No. 199908516) when a leak was observed from a product line. The second release was reported in February 2012 (Incident No. 201202509) when an IDEM inspector observed the off-road diesel dispenser leaking above the shear valve. Investigation and monitoring activities were completed for the site between 1999 and 2018. An ERC was recorded at the Lawrence County Recorder's Office on October 13, 2020. The ERC restricts the use of groundwater onsite and requires confirmation that vapor mitigation is not necessary should the site undergo new construction or change in the use of the site. The 1999 and 2012 incidents were granted No Further Action (NFA) status on February 1, 2022.

3.0 SITE CHECK RATIONALE

3.1 Objectives of the Site Check

The objective of this Site Check was to measure for the presence of a release from the regular gasoline UST where contamination is most likely to be present. The chemicals of concern (COCs) analyzed during Site Check activities are listed on the following table:

Chemicals of Concern (COC)

Chemicals of Concern	Analytical Method Used	
	Soil	Ground Water
Volatile Organic Compounds (VOCs)	SW-846 Method 8260	SW-846 Method 8260
Total Lead	SW-846 Method 6010	SW-846 Method 6010

4.0 SITE CHECK INVESTIGATION

Prior to initiation of Site Check activities, IWM Consulting contacted American Locating Services, Inc. (American Locating) to clear the two soil boring locations of underground utilities and other anomalies. American Locating completed the utility clearance on May 27, 2024.

Strata Environmental Contractors LLC, under the supervision of IWM Consulting personnel, advanced two soil borings (GP-1 and GP-2) on May 28, 2024. Soil boring GP-1 was located downgradient (southeast) of the regular gasoline UST. Soil boring GP-2 was located north of the regular gasoline UST. The locations of the soil borings are illustrated on **Figure 3 (Site Map)**.

The soil borings were advanced utilizing a track mounted Geoprobe® unit equipped with 2.25-inch outside diameter dual-tube sampling rods. The sub-surface soil was continuously sampled utilizing dual-tube technology equipped with dedicated disposable polyvinyl chloride (PVC) liners. Soils were continuously logged and screened using a photo-ionization detector (PID) equipped with a 10.6 eV PID bulb that was calibrated utilizing 100 parts per million by volume (ppmv) isobutylene mixture. A 1-inch diameter temporary well was then installed in each soil boring location to facilitate the collection of a groundwater sample. Soil boring GP-1 was advanced to approximately 17 feet bgs, and soil boring GP-2 was advanced to approximately nine feet bgs.

One soil sample per soil boring was collected for laboratory analysis from the interval displaying the highest elevated PID reading above the saturated zone or the interval directly above the saturated zone (as determined in the field). Soil samples were delivered under chain-of-custody controls to Pace Analytical Services, LLC (Pace) located in Indianapolis, Indiana. The volatile soil samples were obtained in general accordance with United States Environmental Protection Agency (USEPA) collection Method 5035A using laboratory provided, dedicated T-handle samplers to obtain three 5-gram soil sample plugs from each sample interval. Each soil sample plug was then placed inside laboratory provided 40-mL glass vials, which contained stir-bars. Soil samples collected for lead analysis were placed in one unpreserved 4-ounce jar. All soil samples were immediately placed on ice. PID readings detected during sampling activities ranged between 0.0 ppmv in multiple intervals to a maximum PID reading of 7,220 ppmv in GP-2 from six to eight feet bgs. The soil samples were analyzed for VOCs using USEPA SW-846 Method 8260, lead using USEPA SW-846 Method 6010, and percent moisture.

Quality Assurance/Quality Control (QA/QC) samples included a duplicate soil sample (DUP SL) collected from soil sample GP-1 (2-4') and a matrix spike/matrix spike duplicate (MS/MSD) sample collected from soil sample GP-2 (4-6'). The QA/QC samples were analyzed for the same analysis utilizing Level II QA/QC procedures. Level IV QA/QC can be provided at the request of IDEM. The soil analytical laboratory report along with the accompanying chain-of-custody and Level II QA/QC are included in **Appendix A**.

The lithology observed during Site Check activities generally consisted of the following:

- Soil Boring GP-1 consisted of light brown and gray gravel from the surface to four feet bgs followed by brown to dark brown silty clay to the terminus of soil boring GP-1 at 17 feet bgs. Groundwater was observed at approximately 13 feet bgs.

- Soil Boring GP-2 consisted of light brown, medium sand with crushed brick from the surface to three feet bgs; followed by a gravel layer from to 3.5 feet bgs; then a brown silty clay from 3.5 feet to 5.5 feet bgs; and wet, grey silty sand from 5.5 feet to the terminus of the boring at nine feet bgs. Groundwater was observed at approximately 5.5 feet bgs.

Boring logs and/or well completion diagrams with lithologic descriptions have been included in **Appendix B**.

Upon completion of soil sampling activities, 1-inch diameter temporary wells were installed in each soil boring location to facilitate collection of groundwater samples. The temporary wells were installed to a depth of 17 feet bgs in soil boring GP-1 and nine feet bgs in soil boring GP-2 with 10 feet of 0.010-in slot Schedule 40 PVC screen material. Following well installation activities, a one-time groundwater sample was collected from each soil boring utilizing dedicated disposal bailers. Groundwater samples were submitted to Pace for laboratory analysis of VOCs using USEPA SW-846 Method 8260 and total lead using USEPA SW-846 Method 6010.

One QA/QC duplicate groundwater sample noted as DUP G from groundwater sample GP-1 was collected and submitted for the same analysis. An MS/MSD sample collected from groundwater sample GP-2 was collected for Level IV QA/QC. Level IV QA/QC can be provided at the request of IDEM. The laboratory analytical report for the groundwater sampling event along with the accompanying chain-of-custody and Level II QA/QC are included in **Appendix A**.

5.0 RESULTS AND CONCLUSIONS

5.1 Site Check Soil Analytical Results

No adsorbed VOC or lead concentrations were detected above R2 XSPLs, R2 CSPLs, or R2 RSPLs. Soil analytical results are summarized on **Table 1 (Soil Analytical Results)**. A map displaying the soil analytical results depicted by location is presented as **Figure 4 (Soil Analytical Results Map)**. Based upon the results of this Site Check, no further delineation of impacted soils is warranted. A copy of the laboratory soil analytical report is included in **Appendix A**.

5.2 Site Check Groundwater Analytical Results

Dissolved VOC concentrations were detected in the groundwater sample collected from soil boring GP-2 exceeding R2 GWPLs. No VOC concentrations were detected above R2 GWPLs in the groundwater sample collected from soil boring GP-1.

Total lead concentrations were detected above the R2 GWPL in groundwater samples collected from both soil borings; however, the lead concentration is likely biased high due to turbidity.

Groundwater analytical results are summarized on **Table 2 (Groundwater Analytical Results)**. A map displaying the groundwater analytical results depicted by location is presented as **Figure 5 (Groundwater Analytical Results Map)**. Based upon the results of this Site Check, dissolved petroleum impacts are present southeast (downgradient) of the UST cavity. The dissolved petroleum plume is not delineated; however, the risk of exposure to petroleum impacted soil and groundwater is minimal due to an ERC filed for the site at the Lawrence County Recorder's Office on October 13, 2020. A copy of the laboratory groundwater analytical report is included in **Appendix A**.

5.3 Potential Exposure Pathways

Potential exposure pathways consist of vapor intrusion (inhalation), groundwater ingestion, and direct contact (adsorption).

Groundwater Ingestion – An ERC was filed for the site on October 13, 2020 restricting the use of groundwater onsite. Therefore, the short and long term risk of ingesting petroleum impacts from the groundwater onsite is minimal. In addition, adsorbed petroleum impacts were detected in the subsurface near the UST cavity; however, the concentrations did not exceed R2 Soil Published Levels. Therefore, the short term and long term risk of ingesting soil impacted with petroleum is minimal for onsite property use.

The sanitary sewer was not marked by 811 and was not located by American Locating Services, Inc. However, the sanitary sewer likely does not transverse the dissolved petroleum plume located southeast of the UST cavity. The sanitary sewer is likely located near the water line which enters

the site from the south and enters the building from the west. Therefore, groundwater migration via utility corridors is not a concern.

The site and adjacent properties utilize the public water supply from the City of Bedford for their drinking water. Bedford's municipal supply wells are located along the East Fork of the White River, approximately 1.75 miles southwest of the site. The site is not located in a Well Head Protection Area; however, the site is located in a Source Water Area. Therefore, the offsite risk of ingesting petroleum impacted groundwater cannot be ruled out.

Direct Contact (adsorption) – Direct contact is limited by the existing concrete or asphalt cover across the majority of the site; therefore, direct contact with petroleum impacted soil and groundwater within the site is not a complete exposure pathway. In addition, none of the soil samples collected during Site Check activities exhibited VOC or lead concentrations exceeding R2 XSPLs, R2 CSPLs, or R2 RSPLs. Therefore, direct contact to petroleum impacts in soil and groundwater is not a short term or long term risk for offsite properties.

Vapor Intrusion (inhalation) – The site is utilized as a gasoline station and does not require a vapor intrusion investigation. Future use of the site is expected to remain a gasoline station. Therefore, due to the ERC filed for the site requiring a vapor mitigation study be completed in the event of new construction onsite or change in use of the site, there is no short term or long term risk of inhalation exposure onsite.

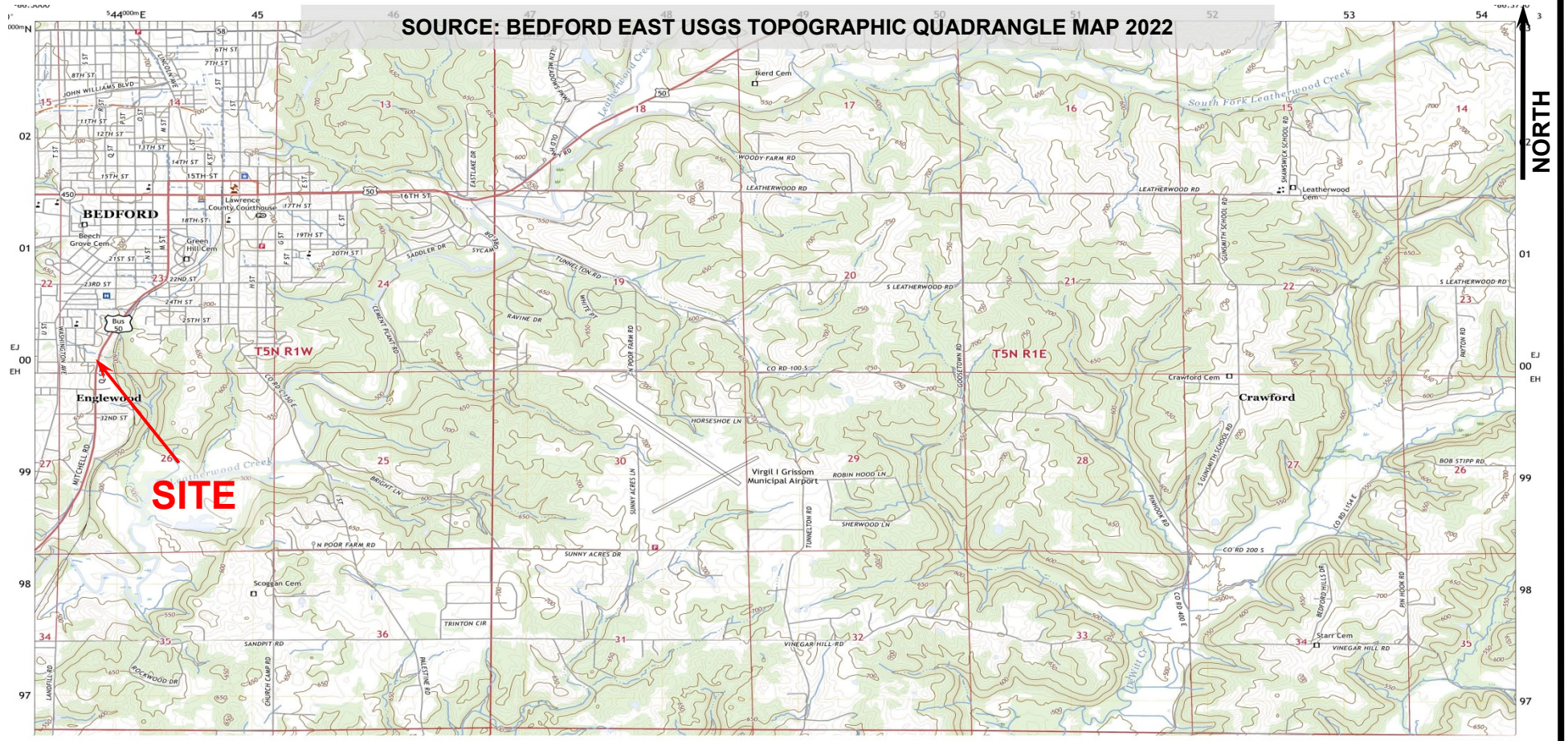
Site specific groundwater flow is to the southeast. The risk of the dissolved petroleum plume migrating onto downgradient offsite properties is limited to the four lane highway (Mitchell Road) that borders the site to the east. The sanitary sewer line is likely located on the southern portion of the site and does not transverse the dissolved petroleum plume. Therefore, the risk of vapor migration offsite via utility corridor is minimal. The short term and long term risk of vapor intrusion on offsite properties appears to be minimal.

6.0 RECOMMENDATIONS

IWM Consulting performed this Site Check as specified in 40 CFR Part 280.52(b) to measure for the presence of a release where contamination is most likely to be present. Based upon the results of this Site Check, the reported release from the regular gasoline UST is confirmed; however, the exposure risk of vapor intrusion (inhalation), groundwater ingestion, and direct contact (adsorption) onsite is minimal. In addition, five USTs located onsite are scheduled to be removed by the end of July 2024, eliminating the source of petroleum impacts to the subsurface.

The site and adjacent properties utilize the public water supply from the City of Bedford for their drinking water. Bedford's municipal supply wells are located along the East Fork of the White River, approximately 1.75 miles southwest of the site. The site is not located in a Well Head Protection Area; however, the site is located in a Source Water Area due to the karst nature of the area. Therefore, the offsite risk of ingesting petroleum impacted groundwater cannot be ruled out.

FIGURES



iWM CONSULTING GROUP

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Indianapolis, IN 46214

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Project	Task	Size	Date
IN24025	01	A	06/20/2024

TITLE **FIGURE 1 – Site Location Map**
Citgo Bedford (FID # 4846)
2729 Mitchell Road
Bedford, Indiana 47421

CLIENT **Armani Holding, Inc.**
Bedford, Indiana

GERKIN CONSTRUCTION

STORAGE

STORAGE BUILDING

MAXX CAR WASH

GRASS

GP–2

3K K1
6K DSL
10K DSL
10K GAS
10K GAS

GP–1

GRASS

SYSTEM TRAILER

CITGO - FORMER KOCOLENE FID #4846

CANOPY

GRASS

WOODS

MITCHELL ROAD

28TH STREET

PARKING

RESIDENTIAL

RESIDENTIAL

THE STORAGE COMPANY

LEGEND

- PROPERTY LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- GAS LINE
- ELECTRIC LINE
- WATER LINE
- SOIL BORINGS (GP–1)
- UST
- UST CAVITY

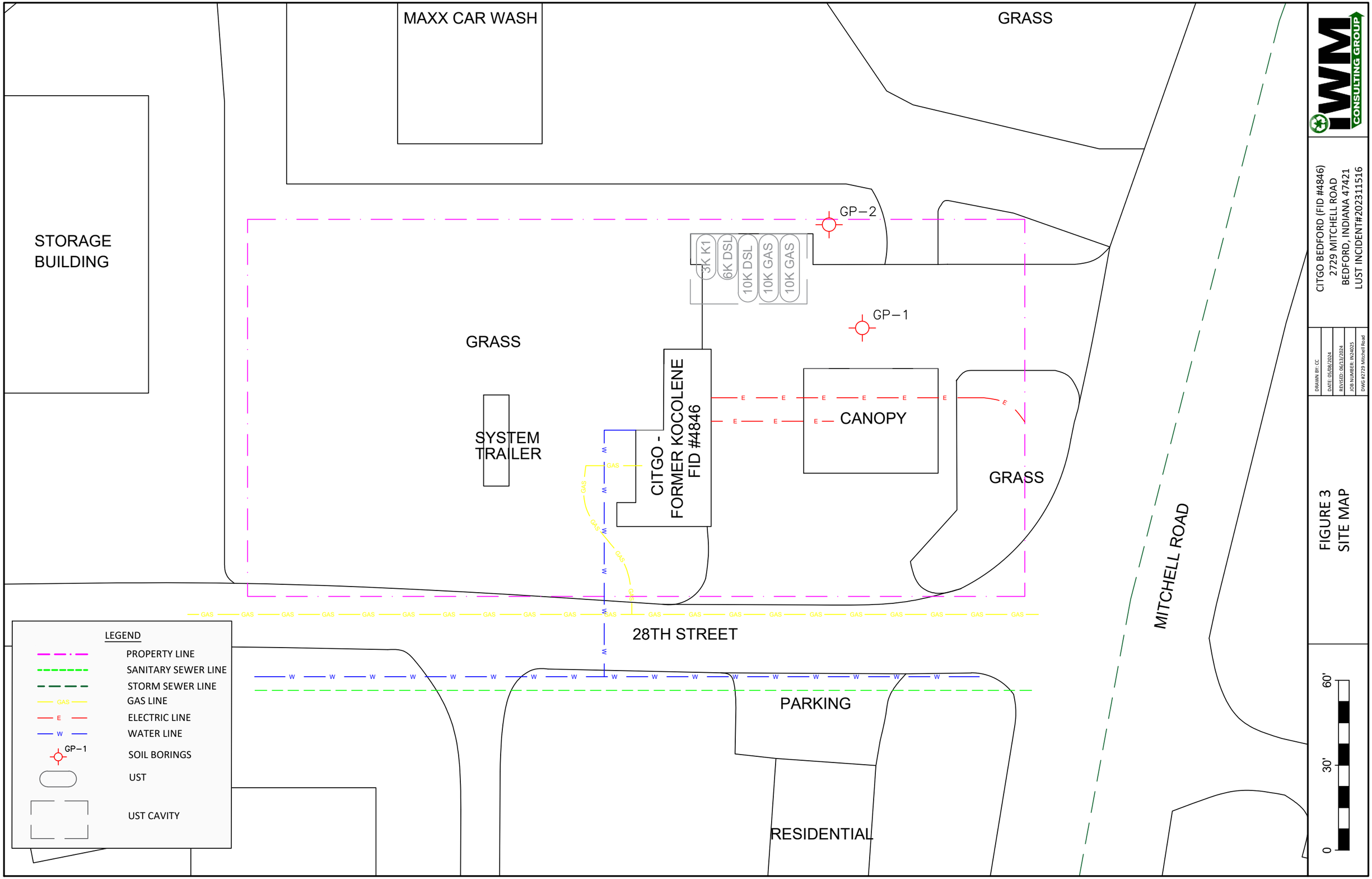
IWM CONSULTING GROUP

CITGO BEDFORD (FID #4846)
2729 MITCHELL ROAD
BEDFORD, INDIANA 47421
LUST INCIDENT#202311516

DRAWN BY: CC
DATE: 05/08/2024
REVISED: 06/13/2024
JOB NUMBER: IN24025
DWG #2729 Mitchell Road

FIGURE 2
SITE VICINITY MAP

0 40' 80'


MAXX CAR WASH
GRASS
STORAGE BUILDING
GP–2
3K K1
6K DSL
10K DSL
10K GAS
10K GAS
GP–1
GRASS
SYSTEM TRAILER
CITGO - FORMER KOCOLENE FID #4846
CANOPY
GRASS
MITCHELL ROAD
28TH STREET
PARKING
RESIDENTIAL
LEGEND
PROPERTY LINE
SANITARY SEWER LINE
STORM SEWER LINE
GAS LINE
ELECTRIC LINE
WATER LINE
SOIL BORINGS
UST
UST CAVITY
CONSULTING GROUP
CITGO BEDFORD (FID #4846)
2729 MITCHELL ROAD
BEDFORD, INDIANA 47421
LUST INCIDENT#202311516
DRAWN BY: CC
DATE: 05/08/2024
REVISED: 06/13/2024
JOB NUMBER: IN24025
DWG #2729 Mitchell Road
FIGURE 3
SITE MAP
60'
30'
0

MAXX CAR WASH

GRASS

Sample ID	GP-2 (4-6)
Sample Date	5/28/2024
Sample Depth (Feet BGS)	4-6
PID (ppmv)	4.3
All VOCs Below R2 Published Levels	
Lead	32.3

STORAGE BUILDING

Sample ID	GP-1 (2-4)	DUP SL
Sample Date	5/28/2024	5/28/2024
Sample Depth (Feet BGS)	2-4	--
PID (ppmv)	58.7	--
All VOCs Below R2 Published Levels		
Lead	9.1	2.0

GP-2

GP-1

3K K1
6K DSL
10K DSL
10K GAS
10K GAS

GRASS

SYSTEM TRAILER

CITGO - FORMER KOCOLENE FID #4846

CANOPY

GRASS

MITCHELL ROAD

28TH STREET

PARKING

NTIAL

LEGEND

- PROPERTY LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- GAS LINE
- ELECTRIC LINE
- WATER LINE
- SOIL BORINGS (GP-1)
- UST
- UST CAVITY

All results in milligrams per kilogram (mg/kg).

BGS: Below ground surface.

ppmv: Parts per million vapor.

Unlisted compounds below laboratory detection limits for all samples.

Underlined concentrations exceed Risk-based Closure Guide (R2) Residential Soil Published Levels (RSPLs).

Bolded concentrations exceed R2 Commercial Soil Published Levels (CSPLs).

Shaded concentrations exceed R2 Excavation Soil Published Levels (XSPLs).

IWM CONSULTING GROUP

CITGO BEDFORD (FID #4846)
2729 MITCHELL ROAD
BEDFORD, INDIANA 47421
LUST INCIDENT#202311516

DRAWN BY: CC
DATE: 05/08/2024
REVISED: 06/13/2024
JOB NUMBER: IN24025
DWG #2729 Mitchell Road

FIGURE 4
SOIL ANALYTICAL RESULTS MAP

0 30' 60'

MAXX CAR WASH

GRASS

Sample ID	GP-2
Sample Date	5/28/2024
Benzene	**3,300**
Ethylbenzene	**3,350**
Methylene Chloride	**440**
Naphthalene	**503**
1,2,4-Trimethylbenzene	**2,410**
1,3,5-Trimethylbenzene	**540**
Lead	**161**

STORAGE BUILDING

Sample ID	GP-1	DUP G
Sample Date	5/28/2024	5/28/2024
All VOCS Below R2 Published Levels		
Lead	**871**	**103**

GP-2

GP-1

3K K1
6K DSL
10K DSL
10K GAS
10K GAS

SYSTEM TRAILER

CITGO - FORMER KOCOLENE FID #4846

CANOPY

GRASS

MITCHELL ROAD

28TH STREET

PARKING

TIAL

LEGEND

- PROPERTY LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- GAS LINE
- ELECTRIC LINE
- WATER LINE
- GP-1 SOIL BORINGS
- UST
- UST CAVITY

All results in micrograms per liter (µg/L).

Unlisted compounds below laboratory detection limits for all samples.

Shaded concentrations exceed Risk-based Closure Guide (R2) Groundwater Published Levels (GWPLs).

IWM CONSULTING GROUP

CITGO BEDFORD (FID #4846)
2729 MITCHELL ROAD
BEDFORD, INDIANA 47421
LUST INCIDENT#202311516

DRAWN BY: CC
DATE: 05/08/2024
REVISED: 06/24/2024
JOB NUMBER: IN24025
DWG #2729 Mitchell Road

FIGURE 5
GROUNDWATER ANALYTICAL RESULTS MAP

0 30' 60'

TABLES

Table 1

Soil Analytical Results

Citgo

2729 Mitchell Road

Bedford, Lawrence County, Indiana

IDEM Incident No. 202311516

IDEM FID No. 4846

Sample ID	**GP-1 (2-4)**	**DUP SL**	**GP-2 (4-6)**	R2 Residential Soil Published Levels	**R2 Commercial Soil Published Levels**	**R2 Excavation Soil Published Levels**
Sample Date	**5/28/2024**	**5/28/2024**	**5/28/2024**			
Sample Depth (Feet BGS)	**2-4**	**--**	**4-6**			
PID (ppmv)	**58.7**	**--**	**4.3**			
VOCs						
Benzene	<0.24	<0.26	0.59	NE	**NE**	2,000
n-Butylbenzene	0.31	0.62	<0.34	NE	**NE**	100
sec-Butylbenzene	<0.24	0.40	<0.34	NE	**NE**	100
n-Hexane	<0.24	<0.26	0.96	NE	**NE**	100
Naphthalene	<0.24	0.42	<0.34	30	**90**	3,000
n-Propylbenzene	<0.24	<0.26	0.36	NE	**NE**	300
Xylene (Total)	<0.47	<0.52	0.97	NE	**NE**	300
Metals						
Lead	9.1	2.0	32.3	400	**800**	1,000

Notes:

All samples collected by IWM Consulting personnel and analyzed at Pace Analytical Services, LLC located in Indianapolis, Indiana.

All results in milligrams per kilogram (mg/kg).

BGS: Below ground surface.

ppmv: Parts per million vapor.

NE: Not Established.

Volatile Organic Compounds (VOCs) analyzed using USEPA SW-846 Method 8260.

Lead analyzed using USEPA SW-846 Method 6010.

Unlisted compounds below laboratory detection limits for all samples.

Underlined concentrations exceed Risk-based Closure Guide (R2) Residential Soil Published Levels (RSPLs).

Bolded concentrations exceed R2 Commercial Soil Published Levels (CSPLs).

Shaded concentrations exceed R2 Excavation Soil Published Levels (XSPLs).

Table 2

Groundwater Analytical Results

Citgo

2729 Mitchell Road

Bedford, Lawrence County, Indiana

IDEM Incident No. 202311516

IDEM FID No. 4846

Sample ID	Sample Date	VOCs											Metals
		Benzene	n-Butylbenzene	Ethylbenzene	n-Hexane	Methyl-tert-butyl ether	Methylene Chloride	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	Total Lead
R2 Groundwater Published Levels (GWPL)		**5**	**1,000**	**700**	**2,000**	**100**	**5.0**	**1**	**700**	**60**	**60**	**10,000**	**15**
GP-1	5/28/2028	<5.0	<5.0	<5.0	<5.0	16.2	<5.0	<1.2	<5.0	<5.0	<5.0	<10.0	**871**
DUP G	5/28/2028	<5.0	<5.0	<5.0	<5.0	12.5	<5.0	<1.2	<5.0	<5.0	<5.0	<10.0	**103**
GP-2	5/28/2028	**3,300**	<250	**3,350**	427	<200	**440**	**503**	463	**2,410**	**540**	5,390	**161**

Notes:

All samples collected by IWM Consulting personnel and analyzed at Pace Analytical Services, LLC located in Indianapolis, Indiana.

All results in micrograms per liter (µg/L).

Volatile Organic Compounds (VOCs) analyzed using USEPA SW-846 Method 8260.

Total Lead analyzed using USEPA SW-846 Method 6010.

Unlisted compounds below laboratory detection limits for all samples.

Shaded concentrations exceed Risk-based Closure Guide (R2) Groundwater Published Levels (GWPLs).

APPENDIX A

Soil and Groundwater Analytical Report

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 05, 2024

Mandy Hall
IWM Consulting
7428 Rockville Road
Indianapolis, IN 46214

RE: Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Dear Mandy Hall:

Enclosed are the analytical results for sample(s) received by the laboratory on May 28, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

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

Sincerely,

Heather Patterson
heather.patterson@pacelabs.com
(317)228-3146
Project Manager

Enclosures

cc: Mr. Brad Gentry, IWM Consulting

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50374366001	**GP-1 (2-4)**	Solid	05/28/24 09:40	05/28/24 14:36
50374366002	**GP-1**	Water	05/28/24 11:15	05/28/24 14:36
50374366003	**GP-2 (4-6)**	Solid	05/28/24 10:15	05/28/24 14:36
50374366004	**GP-2 W**	Water	05/28/24 10:40	05/28/24 14:36
50374366005	**Dup SL**	Solid	05/28/24 08:00	05/28/24 14:36
50374366006	**Dup G**	Water	05/28/24 08:00	05/28/24 14:36
50374366007	**Trip Blank**	Water	05/28/24 09:15	05/28/24 14:36

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

SAMPLE ANALYTE COUNT

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50374366001	**GP-1 (2-4)**	EPA 6010	ELK	1	PASI-I
		EPA 8260	SLB	75	PASI-I
		SM 2540G	QAK	1	PASI-I
50374366002	**GP-1**	EPA 6010	JPK	1	PASI-I
		EPA 5030/8260	SLB	75	PASI-I
50374366003	**GP-2 (4-6)**	EPA 6010	ELK	1	PASI-I
		EPA 8260	SLB	75	PASI-I
		SM 2540G	QAK	1	PASI-I
50374366004	**GP-2 W**	EPA 6010	JPK	1	PASI-I
		EPA 5030/8260	SLB	75	PASI-I
50374366005	**Dup SL**	EPA 6010	ELK	1	PASI-I
		EPA 8260	SLB	75	PASI-I
		SM 2540G	QAK	1	PASI-I
50374366006	**Dup G**	EPA 6010	JPK	1	PASI-I
		EPA 5030/8260	SLB	75	PASI-I
50374366007	**Trip Blank**	EPA 5030/8260	SLB	75	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50374366001	**GP-1 (2-4)**					
EPA 6010	Lead	9.1	mg/kg	1.0	06/03/24 11:20	
EPA 8260	n-Butylbenzene	0.31	mg/kg	0.24	05/29/24 14:15	
SM 2540G	Percent Moisture	4.9	%	0.10	06/04/24 12:39	N2
50374366002	**GP-1**					
EPA 6010	Lead	871	ug/L	10.0	05/31/24 23:39	
EPA 5030/8260	Methyl-tert-butyl ether	16.2	ug/L	4.0	05/30/24 04:17	
50374366003	**GP-2 (4-6)**					
EPA 6010	Lead	32.3	mg/kg	1.2	06/03/24 11:25	
EPA 8260	Benzene	0.59	mg/kg	0.34	05/29/24 15:14	
EPA 8260	n-Hexane	0.96	mg/kg	0.34	05/29/24 15:14	B,C9,L1
EPA 8260	n-Propylbenzene	0.36	mg/kg	0.34	05/29/24 15:14	
EPA 8260	Xylene (Total)	0.97	mg/kg	0.68	05/29/24 15:14	
SM 2540G	Percent Moisture	16.7	%	0.10	06/04/24 12:39	N2
50374366004	**GP-2 W**					
EPA 6010	Lead	161	ug/L	50.0	05/31/24 23:41	
EPA 5030/8260	Benzene	3300	ug/L	250	05/30/24 03:33	
EPA 5030/8260	Ethylbenzene	3350	ug/L	250	05/30/24 03:33	M1
EPA 5030/8260	n-Hexane	427	ug/L	250	05/30/24 03:33	B,C9
EPA 5030/8260	Methylene Chloride	440	ug/L	250	05/30/24 03:33	C9
EPA 5030/8260	Naphthalene	503	ug/L	60.0	05/30/24 03:33	
EPA 5030/8260	n-Propylbenzene	463	ug/L	250	05/30/24 03:33	M1
EPA 5030/8260	1,2,4-Trimethylbenzene	2410	ug/L	250	05/30/24 03:33	M1
EPA 5030/8260	1,3,5-Trimethylbenzene	540	ug/L	250	05/30/24 03:33	M1
EPA 5030/8260	Xylene (Total)	5390	ug/L	500	05/30/24 03:33	MS
50374366005	**Dup SL**					
EPA 6010	Lead	2.0	mg/kg	1.1	06/03/24 11:33	
EPA 8260	n-Butylbenzene	0.62	mg/kg	0.26	05/29/24 17:13	
EPA 8260	sec-Butylbenzene	0.40	mg/kg	0.26	05/29/24 17:13	
EPA 8260	Naphthalene	0.42	mg/kg	0.26	05/29/24 17:13	
SM 2540G	Percent Moisture	6.7	%	0.10	06/04/24 12:39	N2
50374366006	**Dup G**					
EPA 6010	Lead	103	ug/L	10.0	05/31/24 23:46	
EPA 5030/8260	Methyl-tert-butyl ether	12.5	ug/L	4.0	05/30/24 04:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-1 (2-4) **Lab ID: 50374366001** Collected: 05/28/24 09:40 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Indianapolis							
Lead	**9.1**	mg/kg	1.0	1	06/02/24 21:32	06/03/24 11:20	7439-92-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	mg/kg	4.7	50		05/29/24 14:15	67-64-1	
Acrolein	ND	mg/kg	4.7	50		05/29/24 14:15	107-02-8	
Acrylonitrile	ND	mg/kg	4.7	50		05/29/24 14:15	107-13-1	
Benzene	ND	mg/kg	0.24	50		05/29/24 14:15	71-43-2	
Bromobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	108-86-1	
Bromochloromethane	ND	mg/kg	0.24	50		05/29/24 14:15	74-97-5	
Bromodichloromethane	ND	mg/kg	0.24	50		05/29/24 14:15	75-27-4	
Bromoform	ND	mg/kg	0.24	50		05/29/24 14:15	75-25-2	
Bromomethane	ND	mg/kg	0.24	50		05/29/24 14:15	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.2	50		05/29/24 14:15	78-93-3	
n-Butylbenzene	**0.31**	mg/kg	0.24	50		05/29/24 14:15	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	98-06-6	
Carbon disulfide	ND	mg/kg	0.47	50		05/29/24 14:15	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.24	50		05/29/24 14:15	56-23-5	
Chlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	108-90-7	
Chloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	75-00-3	
Chloroform	ND	mg/kg	0.24	50		05/29/24 14:15	67-66-3	
Chloromethane	ND	mg/kg	0.24	50		05/29/24 14:15	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.24	50		05/29/24 14:15	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.24	50		05/29/24 14:15	106-43-4	
Dibromochloromethane	ND	mg/kg	0.24	50		05/29/24 14:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.24	50		05/29/24 14:15	106-93-4	
Dibromomethane	ND	mg/kg	0.24	50		05/29/24 14:15	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	4.7	50		05/29/24 14:15	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.24	50		05/29/24 14:15	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.24	50		05/29/24 14:15	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.24	50		05/29/24 14:15	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.24	50		05/29/24 14:15	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.24	50		05/29/24 14:15	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.24	50		05/29/24 14:15	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.24	50		05/29/24 14:15	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.24	50		05/29/24 14:15	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.24	50		05/29/24 14:15	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.24	50		05/29/24 14:15	10061-02-6	
Ethylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-1 (2-4) **Lab ID: 50374366001** Collected: 05/28/24 09:40 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
	Pace Analytical Services - Indianapolis							
Ethyl methacrylate	ND	mg/kg	4.7	50		05/29/24 14:15	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.24	50		05/29/24 14:15	87-68-3	
n-Hexane	ND	mg/kg	0.24	50		05/29/24 14:15	110-54-3	L1
2-Hexanone	ND	mg/kg	4.7	50		05/29/24 14:15	591-78-6	
Iodomethane	ND	mg/kg	4.7	50		05/29/24 14:15	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.24	50		05/29/24 14:15	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.24	50		05/29/24 14:15	99-87-6	
Methylene Chloride	ND	mg/kg	0.94	50		05/29/24 14:15	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.47	50		05/29/24 14:15	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.47	50		05/29/24 14:15	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.2	50		05/29/24 14:15	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.24	50		05/29/24 14:15	1634-04-4	
Naphthalene	ND	mg/kg	0.24	50		05/29/24 14:15	91-20-3	
n-Propylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	103-65-1	
Styrene	ND	mg/kg	0.24	50		05/29/24 14:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	79-34-5	
Tetrachloroethene	ND	mg/kg	0.24	50		05/29/24 14:15	127-18-4	
Toluene	ND	mg/kg	0.24	50		05/29/24 14:15	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.24	50		05/29/24 14:15	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.24	50		05/29/24 14:15	79-00-5	
Trichloroethene	ND	mg/kg	0.24	50		05/29/24 14:15	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.24	50		05/29/24 14:15	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.24	50		05/29/24 14:15	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.24	50		05/29/24 14:15	108-67-8	
Vinyl acetate	ND	mg/kg	4.7	50		05/29/24 14:15	108-05-4	
Vinyl chloride	ND	mg/kg	0.24	50		05/29/24 14:15	75-01-4	
Xylene (Total)	ND	mg/kg	0.47	50		05/29/24 14:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	75-135	50		05/29/24 14:15	1868-53-7	D3
Toluene-d8 (S)	103	%.	65-148	50		05/29/24 14:15	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	50		05/29/24 14:15	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**4.9**	%	0.10	1		06/04/24 12:39		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-1 **Lab ID: 50374366002** Collected: 05/28/24 11:15 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**871**	ug/L	10.0	1	05/31/24 08:07	05/31/24 23:39	7439-92-1	
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/30/24 04:17	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/30/24 04:17	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/30/24 04:17	107-13-1	
Benzene	ND	ug/L	5.0	1		05/30/24 04:17	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/30/24 04:17	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/30/24 04:17	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/30/24 04:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/30/24 04:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/30/24 04:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/30/24 04:17	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/30/24 04:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/30/24 04:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/30/24 04:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/30/24 04:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/30/24 04:17	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 04:17	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 04:17	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/30/24 04:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/30/24 04:17	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/30/24 04:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/30/24 04:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/30/24 04:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/30/24 04:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/30/24 04:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/30/24 04:17	97-63-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-1 **Lab ID: 50374366002** Collected: 05/28/24 11:15 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/24 04:17	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/30/24 04:17	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/30/24 04:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/30/24 04:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/30/24 04:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/30/24 04:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/30/24 04:17	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 04:17	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 04:17	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/30/24 04:17	108-10-1	
Methyl-tert-butyl ether	**16.2**	ug/L	4.0	1		05/30/24 04:17	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		05/30/24 04:17	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	103-65-1	
Styrene	ND	ug/L	5.0	1		05/30/24 04:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 04:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 04:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/30/24 04:17	127-18-4	
Toluene	ND	ug/L	5.0	1		05/30/24 04:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/30/24 04:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/30/24 04:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/30/24 04:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/30/24 04:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/30/24 04:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 04:17	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/30/24 04:17	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/30/24 04:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/30/24 04:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	82-128	1		05/30/24 04:17	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		05/30/24 04:17	460-00-4	
Toluene-d8 (S)	98	%.	73-122	1		05/30/24 04:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-2 (4-6) **Lab ID: 50374366003** Collected: 05/28/24 10:15 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Indianapolis							
Lead	**32.3**	mg/kg	1.2	1	06/02/24 21:32	06/03/24 11:25	7439-92-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	mg/kg	6.8	50		05/29/24 15:14	67-64-1	
Acrolein	ND	mg/kg	6.8	50		05/29/24 15:14	107-02-8	
Acrylonitrile	ND	mg/kg	6.8	50		05/29/24 15:14	107-13-1	
Benzene	**0.59**	mg/kg	0.34	50		05/29/24 15:14	71-43-2	
Bromobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	108-86-1	
Bromochloromethane	ND	mg/kg	0.34	50		05/29/24 15:14	74-97-5	
Bromodichloromethane	ND	mg/kg	0.34	50		05/29/24 15:14	75-27-4	
Bromoform	ND	mg/kg	0.34	50		05/29/24 15:14	75-25-2	
Bromomethane	ND	mg/kg	0.34	50		05/29/24 15:14	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.7	50		05/29/24 15:14	78-93-3	
n-Butylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	98-06-6	
Carbon disulfide	ND	mg/kg	0.68	50		05/29/24 15:14	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.34	50		05/29/24 15:14	56-23-5	
Chlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	108-90-7	
Chloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	75-00-3	
Chloroform	ND	mg/kg	0.34	50		05/29/24 15:14	67-66-3	
Chloromethane	ND	mg/kg	0.34	50		05/29/24 15:14	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.34	50		05/29/24 15:14	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.34	50		05/29/24 15:14	106-43-4	
Dibromochloromethane	ND	mg/kg	0.34	50		05/29/24 15:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.34	50		05/29/24 15:14	106-93-4	
Dibromomethane	ND	mg/kg	0.34	50		05/29/24 15:14	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	6.8	50		05/29/24 15:14	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.34	50		05/29/24 15:14	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.34	50		05/29/24 15:14	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.34	50		05/29/24 15:14	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.34	50		05/29/24 15:14	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.34	50		05/29/24 15:14	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.34	50		05/29/24 15:14	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.34	50		05/29/24 15:14	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.34	50		05/29/24 15:14	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.34	50		05/29/24 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.34	50		05/29/24 15:14	10061-02-6	
Ethylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-2 (4-6) **Lab ID: 50374366003** Collected: 05/28/24 10:15 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
	Pace Analytical Services - Indianapolis							
Ethyl methacrylate	ND	mg/kg	6.8	50		05/29/24 15:14	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.34	50		05/29/24 15:14	87-68-3	
n-Hexane	**0.96**	mg/kg	0.34	50		05/29/24 15:14	110-54-3	B,C9,L1
2-Hexanone	ND	mg/kg	6.8	50		05/29/24 15:14	591-78-6	
Iodomethane	ND	mg/kg	6.8	50		05/29/24 15:14	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.34	50		05/29/24 15:14	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.34	50		05/29/24 15:14	99-87-6	
Methylene Chloride	ND	mg/kg	1.4	50		05/29/24 15:14	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.68	50		05/29/24 15:14	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.68	50		05/29/24 15:14	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.7	50		05/29/24 15:14	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.34	50		05/29/24 15:14	1634-04-4	
Naphthalene	ND	mg/kg	0.34	50		05/29/24 15:14	91-20-3	
n-Propylbenzene	**0.36**	mg/kg	0.34	50		05/29/24 15:14	103-65-1	
Styrene	ND	mg/kg	0.34	50		05/29/24 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	79-34-5	
Tetrachloroethene	ND	mg/kg	0.34	50		05/29/24 15:14	127-18-4	
Toluene	ND	mg/kg	0.34	50		05/29/24 15:14	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.34	50		05/29/24 15:14	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.34	50		05/29/24 15:14	79-00-5	
Trichloroethene	ND	mg/kg	0.34	50		05/29/24 15:14	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.34	50		05/29/24 15:14	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.34	50		05/29/24 15:14	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.34	50		05/29/24 15:14	108-67-8	
Vinyl acetate	ND	mg/kg	6.8	50		05/29/24 15:14	108-05-4	
Vinyl chloride	ND	mg/kg	0.34	50		05/29/24 15:14	75-01-4	
Xylene (Total)	**0.97**	mg/kg	0.68	50		05/29/24 15:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	75-135	50		05/29/24 15:14	1868-53-7	D3
Toluene-d8 (S)	101	%.	65-148	50		05/29/24 15:14	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	63-132	50		05/29/24 15:14	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**16.7**	%	0.10	1		06/04/24 12:39		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-2 W **Lab ID: 50374366004** Collected: 05/28/24 10:40 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**161**	ug/L	50.0	1	05/31/24 08:07	05/31/24 23:41	7439-92-1	
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	5000	50		05/30/24 03:33	67-64-1	
Acrolein	ND	ug/L	2500	50		05/30/24 03:33	107-02-8	
Acrylonitrile	ND	ug/L	5000	50		05/30/24 03:33	107-13-1	
Benzene	**3300**	ug/L	250	50		05/30/24 03:33	71-43-2	
Bromobenzene	ND	ug/L	250	50		05/30/24 03:33	108-86-1	
Bromochloromethane	ND	ug/L	250	50		05/30/24 03:33	74-97-5	
Bromodichloromethane	ND	ug/L	250	50		05/30/24 03:33	75-27-4	
Bromoform	ND	ug/L	250	50		05/30/24 03:33	75-25-2	
Bromomethane	ND	ug/L	250	50		05/30/24 03:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		05/30/24 03:33	78-93-3	
n-Butylbenzene	ND	ug/L	250	50		05/30/24 03:33	104-51-8	M1
sec-Butylbenzene	ND	ug/L	250	50		05/30/24 03:33	135-98-8	
tert-Butylbenzene	ND	ug/L	250	50		05/30/24 03:33	98-06-6	
Carbon disulfide	ND	ug/L	500	50		05/30/24 03:33	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		05/30/24 03:33	56-23-5	
Chlorobenzene	ND	ug/L	250	50		05/30/24 03:33	108-90-7	
Chloroethane	ND	ug/L	250	50		05/30/24 03:33	75-00-3	
Chloroform	ND	ug/L	250	50		05/30/24 03:33	67-66-3	
Chloromethane	ND	ug/L	250	50		05/30/24 03:33	74-87-3	
2-Chlorotoluene	ND	ug/L	250	50		05/30/24 03:33	95-49-8	
4-Chlorotoluene	ND	ug/L	250	50		05/30/24 03:33	106-43-4	
Dibromochloromethane	ND	ug/L	250	50		05/30/24 03:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		05/30/24 03:33	106-93-4	
Dibromomethane	ND	ug/L	250	50		05/30/24 03:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	50		05/30/24 03:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		05/30/24 03:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		05/30/24 03:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5000	50		05/30/24 03:33	110-57-6	
Dichlorodifluoromethane	ND	ug/L	250	50		05/30/24 03:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		05/30/24 03:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		05/30/24 03:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		05/30/24 03:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	50		05/30/24 03:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	50		05/30/24 03:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		05/30/24 03:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	50		05/30/24 03:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	50		05/30/24 03:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	50		05/30/24 03:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	250	50		05/30/24 03:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		05/30/24 03:33	10061-02-6	
Ethylbenzene	**3350**	ug/L	250	50		05/30/24 03:33	100-41-4	M1
Ethyl methacrylate	ND	ug/L	5000	50		05/30/24 03:33	97-63-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: GP-2 W **Lab ID: 50374366004** Collected: 05/28/24 10:40 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260							
	Pace Analytical Services - Indianapolis							
Hexachloro-1,3-butadiene	ND	ug/L	250	50		05/30/24 03:33	87-68-3	
n-Hexane	**427**	ug/L	250	50		05/30/24 03:33	110-54-3	B,C9
2-Hexanone	ND	ug/L	1250	50		05/30/24 03:33	591-78-6	
Iodomethane	ND	ug/L	500	50		05/30/24 03:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		05/30/24 03:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	250	50		05/30/24 03:33	99-87-6	
Methylene Chloride	**440**	ug/L	250	50		05/30/24 03:33	75-09-2	C9
1-Methylnaphthalene	ND	ug/L	500	50		05/30/24 03:33	90-12-0	
2-Methylnaphthalene	ND	ug/L	500	50		05/30/24 03:33	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		05/30/24 03:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		05/30/24 03:33	1634-04-4	
Naphthalene	**503**	ug/L	60.0	50		05/30/24 03:33	91-20-3	
n-Propylbenzene	**463**	ug/L	250	50		05/30/24 03:33	103-65-1	M1
Styrene	ND	ug/L	250	50		05/30/24 03:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	50		05/30/24 03:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		05/30/24 03:33	79-34-5	
Tetrachloroethene	ND	ug/L	250	50		05/30/24 03:33	127-18-4	
Toluene	ND	ug/L	250	50		05/30/24 03:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	50		05/30/24 03:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		05/30/24 03:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		05/30/24 03:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		05/30/24 03:33	79-00-5	
Trichloroethene	ND	ug/L	250	50		05/30/24 03:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		05/30/24 03:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	50		05/30/24 03:33	96-18-4	
1,2,4-Trimethylbenzene	**2410**	ug/L	250	50		05/30/24 03:33	95-63-6	M1
1,3,5-Trimethylbenzene	**540**	ug/L	250	50		05/30/24 03:33	108-67-8	M1
Vinyl acetate	ND	ug/L	2500	50		05/30/24 03:33	108-05-4	
Vinyl chloride	ND	ug/L	100	50		05/30/24 03:33	75-01-4	
Xylene (Total)	**5390**	ug/L	500	50		05/30/24 03:33	1330-20-7	MS
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	50		05/30/24 03:33	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-124	50		05/30/24 03:33	460-00-4	
Toluene-d8 (S)	101	%.	73-122	50		05/30/24 03:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Dup SL **Lab ID: 50374366005** Collected: 05/28/24 08:00 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Indianapolis							
Lead	**2.0**	mg/kg	1.1	1	06/02/24 21:32	06/03/24 11:33	7439-92-1	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	mg/kg	5.2	50		05/29/24 17:13	67-64-1	
Acrolein	ND	mg/kg	5.2	50		05/29/24 17:13	107-02-8	
Acrylonitrile	ND	mg/kg	5.2	50		05/29/24 17:13	107-13-1	
Benzene	ND	mg/kg	0.26	50		05/29/24 17:13	71-43-2	
Bromobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	108-86-1	
Bromochloromethane	ND	mg/kg	0.26	50		05/29/24 17:13	74-97-5	
Bromodichloromethane	ND	mg/kg	0.26	50		05/29/24 17:13	75-27-4	
Bromoform	ND	mg/kg	0.26	50		05/29/24 17:13	75-25-2	
Bromomethane	ND	mg/kg	0.26	50		05/29/24 17:13	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.3	50		05/29/24 17:13	78-93-3	
n-Butylbenzene	**0.62**	mg/kg	0.26	50		05/29/24 17:13	104-51-8	
sec-Butylbenzene	**0.40**	mg/kg	0.26	50		05/29/24 17:13	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.26	50		05/29/24 17:13	98-06-6	
Carbon disulfide	ND	mg/kg	0.52	50		05/29/24 17:13	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.26	50		05/29/24 17:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	108-90-7	
Chloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	75-00-3	
Chloroform	ND	mg/kg	0.26	50		05/29/24 17:13	67-66-3	
Chloromethane	ND	mg/kg	0.26	50		05/29/24 17:13	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.26	50		05/29/24 17:13	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.26	50		05/29/24 17:13	106-43-4	
Dibromochloromethane	ND	mg/kg	0.26	50		05/29/24 17:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.26	50		05/29/24 17:13	106-93-4	
Dibromomethane	ND	mg/kg	0.26	50		05/29/24 17:13	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	5.2	50		05/29/24 17:13	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.26	50		05/29/24 17:13	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.26	50		05/29/24 17:13	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.26	50		05/29/24 17:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.26	50		05/29/24 17:13	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.26	50		05/29/24 17:13	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.26	50		05/29/24 17:13	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.26	50		05/29/24 17:13	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.26	50		05/29/24 17:13	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.26	50		05/29/24 17:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.26	50		05/29/24 17:13	10061-02-6	
Ethylbenzene	ND	mg/kg	0.26	50		05/29/24 17:13	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Dup SL **Lab ID: 50374366005** Collected: 05/28/24 08:00 Received: 05/28/24 14:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
	Pace Analytical Services - Indianapolis							
Ethyl methacrylate	ND	mg/kg	5.2	50		05/29/24 17:13	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	50		05/29/24 17:13	87-68-3	
n-Hexane	ND	mg/kg	0.26	50		05/29/24 17:13	110-54-3	L1
2-Hexanone	ND	mg/kg	5.2	50		05/29/24 17:13	591-78-6	
Iodomethane	ND	mg/kg	5.2	50		05/29/24 17:13	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.26	50		05/29/24 17:13	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.26	50		05/29/24 17:13	99-87-6	
Methylene Chloride	ND	mg/kg	1.0	50		05/29/24 17:13	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.52	50		05/29/24 17:13	90-12-0	
2-Methylnaphthalene	ND	mg/kg	0.52	50		05/30/24 18:41	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.3	50		05/29/24 17:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.26	50		05/29/24 17:13	1634-04-4	
Naphthalene	**0.42**	mg/kg	0.26	50		05/29/24 17:13	91-20-3	
n-Propylbenzene	ND	mg/kg	0.26	50		05/29/24 17:13	103-65-1	
Styrene	ND	mg/kg	0.26	50		05/29/24 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	79-34-5	
Tetrachloroethene	ND	mg/kg	0.26	50		05/29/24 17:13	127-18-4	
Toluene	ND	mg/kg	0.26	50		05/29/24 17:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.26	50		05/29/24 17:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.26	50		05/29/24 17:13	79-00-5	
Trichloroethene	ND	mg/kg	0.26	50		05/29/24 17:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.26	50		05/29/24 17:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.26	50		05/29/24 17:13	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.26	50		05/29/24 17:13	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.26	50		05/29/24 17:13	108-67-8	
Vinyl acetate	ND	mg/kg	5.2	50		05/29/24 17:13	108-05-4	
Vinyl chloride	ND	mg/kg	0.26	50		05/29/24 17:13	75-01-4	
Xylene (Total)	ND	mg/kg	0.52	50		05/29/24 17:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	50		05/29/24 17:13	1868-53-7	D3
Toluene-d8 (S)	103	%.	65-148	50		05/29/24 17:13	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	63-132	50		05/29/24 17:13	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**6.7**	%	0.10	1		06/04/24 12:39		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Dup G **Lab ID: 50374366006** Collected: 05/28/24 08:00 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**103**	ug/L	10.0	1	05/31/24 08:07	05/31/24 23:46	7439-92-1	
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/30/24 04:47	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/30/24 04:47	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/30/24 04:47	107-13-1	
Benzene	ND	ug/L	5.0	1		05/30/24 04:47	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/30/24 04:47	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/30/24 04:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/30/24 04:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/30/24 04:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/30/24 04:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/30/24 04:47	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/30/24 04:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/30/24 04:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/30/24 04:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/30/24 04:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/30/24 04:47	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 04:47	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 04:47	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/30/24 04:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/30/24 04:47	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/30/24 04:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/30/24 04:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/30/24 04:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/30/24 04:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/30/24 04:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 04:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 04:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 04:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/30/24 04:47	97-63-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Dup G **Lab ID: 50374366006** Collected: 05/28/24 08:00 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/24 04:47	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/30/24 04:47	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/30/24 04:47	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/30/24 04:47	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/30/24 04:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/30/24 04:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/30/24 04:47	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 04:47	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 04:47	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/30/24 04:47	108-10-1	
Methyl-tert-butyl ether	**12.5**	ug/L	4.0	1		05/30/24 04:47	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		05/30/24 04:47	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	103-65-1	
Styrene	ND	ug/L	5.0	1		05/30/24 04:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 04:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 04:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/30/24 04:47	127-18-4	
Toluene	ND	ug/L	5.0	1		05/30/24 04:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 04:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/30/24 04:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/30/24 04:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/30/24 04:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/30/24 04:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/30/24 04:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 04:47	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/30/24 04:47	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/30/24 04:47	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/30/24 04:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	82-128	1		05/30/24 04:47	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/30/24 04:47	460-00-4	
Toluene-d8 (S)	100	%.	73-122	1		05/30/24 04:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Trip Blank **Lab ID: 50374366007** Collected: 05/28/24 09:15 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		05/30/24 05:16	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/30/24 05:16	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/30/24 05:16	107-13-1	
Benzene	ND	ug/L	5.0	1		05/30/24 05:16	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/30/24 05:16	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/30/24 05:16	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/30/24 05:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/30/24 05:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/30/24 05:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/30/24 05:16	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/30/24 05:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/30/24 05:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/30/24 05:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/30/24 05:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/30/24 05:16	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 05:16	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/30/24 05:16	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/30/24 05:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/30/24 05:16	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/30/24 05:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/30/24 05:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/30/24 05:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/30/24 05:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/30/24 05:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/30/24 05:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 05:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/30/24 05:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 05:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/30/24 05:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/30/24 05:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/30/24 05:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 05:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/30/24 05:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/30/24 05:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/24 05:16	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/30/24 05:16	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		05/30/24 05:16	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/30/24 05:16	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Sample: Trip Blank **Lab ID: 50374366007** Collected: 05/28/24 09:15 Received: 05/28/24 14:36 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/30/24 05:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/30/24 05:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/30/24 05:16	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 05:16	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		05/30/24 05:16	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/30/24 05:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/30/24 05:16	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		05/30/24 05:16	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	103-65-1	
Styrene	ND	ug/L	5.0	1		05/30/24 05:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 05:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/30/24 05:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/30/24 05:16	127-18-4	
Toluene	ND	ug/L	5.0	1		05/30/24 05:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/30/24 05:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/30/24 05:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/30/24 05:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/30/24 05:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/30/24 05:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/30/24 05:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/30/24 05:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/30/24 05:16	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/30/24 05:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/30/24 05:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	82-128	1		05/30/24 05:16	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/30/24 05:16	460-00-4	
Toluene-d8 (S)	100	%.	73-122	1		05/30/24 05:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch: 792746
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50374366001, 50374366003, 50374366005

METHOD BLANK: 3627664 Matrix: Solid
Associated Lab Samples: 50374366001, 50374366003, 50374366005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	1.0	06/03/24 10:43	

LABORATORY CONTROL SAMPLE: 3627665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3627666 3627667

Parameter	Units	50374366003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	32.3	54.4	57.1	80.8	78.2	89	80	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch: 792976
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50374366002, 50374366004, 50374366006

METHOD BLANK: 3628560 Matrix: Water
Associated Lab Samples: 50374366002, 50374366004, 50374366006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	05/31/24 23:15	

LABORATORY CONTROL SAMPLE: 3628561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	957	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3628562 3628563

Parameter	Units	50373951004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	988	967	99	97	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3628564 3628565

Parameter	Units	50374366004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	161	5000	5000	4880	4940	94	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch: 792577
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50374366004

METHOD BLANK: 3626969 Matrix: Water
Associated Lab Samples: 50374366004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,1-Dichloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,1-Dichloroethene	ug/L	ND	5.0	05/29/24 21:09	
1,1-Dichloropropene	ug/L	ND	5.0	05/29/24 21:09	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/29/24 21:09	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/29/24 21:09	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/29/24 21:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
1,2-Dichloroethane	ug/L	ND	5.0	05/29/24 21:09	
1,2-Dichloropropane	ug/L	ND	5.0	05/29/24 21:09	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/29/24 21:09	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
1,3-Dichloropropane	ug/L	ND	5.0	05/29/24 21:09	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
1-Methylnaphthalene	ug/L	ND	10.0	05/29/24 21:09	
2,2-Dichloropropane	ug/L	ND	5.0	05/29/24 21:09	
2-Butanone (MEK)	ug/L	ND	25.0	05/29/24 21:09	
2-Chlorotoluene	ug/L	ND	5.0	05/29/24 21:09	
2-Hexanone	ug/L	ND	25.0	05/29/24 21:09	
2-Methylnaphthalene	ug/L	ND	10.0	05/29/24 21:09	
4-Chlorotoluene	ug/L	ND	5.0	05/29/24 21:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/29/24 21:09	
Acetone	ug/L	ND	100	05/29/24 21:09	
Acrolein	ug/L	ND	50.0	05/29/24 21:09	
Acrylonitrile	ug/L	ND	100	05/29/24 21:09	
Benzene	ug/L	ND	5.0	05/29/24 21:09	
Bromobenzene	ug/L	ND	5.0	05/29/24 21:09	
Bromochloromethane	ug/L	ND	5.0	05/29/24 21:09	
Bromodichloromethane	ug/L	ND	5.0	05/29/24 21:09	
Bromoform	ug/L	ND	5.0	05/29/24 21:09	
Bromomethane	ug/L	ND	5.0	05/29/24 21:09	
Carbon disulfide	ug/L	ND	10.0	05/29/24 21:09	
Carbon tetrachloride	ug/L	ND	5.0	05/29/24 21:09	
Chlorobenzene	ug/L	ND	5.0	05/29/24 21:09	
Chloroethane	ug/L	ND	5.0	05/29/24 21:09	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

METHOD BLANK: 3626969 Matrix: Water
Associated Lab Samples: 50374366004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	5.0	05/29/24 21:09	
Chloromethane	ug/L	ND	5.0	05/29/24 21:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/29/24 21:09	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/29/24 21:09	
Dibromochloromethane	ug/L	ND	5.0	05/29/24 21:09	
Dibromomethane	ug/L	ND	5.0	05/29/24 21:09	
Dichlorodifluoromethane	ug/L	ND	5.0	05/29/24 21:09	
Ethyl methacrylate	ug/L	ND	100	05/29/24 21:09	
Ethylbenzene	ug/L	ND	5.0	05/29/24 21:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/29/24 21:09	
Iodomethane	ug/L	ND	10.0	05/29/24 21:09	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/29/24 21:09	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/29/24 21:09	
Methylene Chloride	ug/L	ND	5.0	05/29/24 21:09	
n-Butylbenzene	ug/L	ND	5.0	05/29/24 21:09	
n-Hexane	ug/L	6.4	5.0	05/29/24 21:09	C9
n-Propylbenzene	ug/L	ND	5.0	05/29/24 21:09	
Naphthalene	ug/L	ND	1.2	05/29/24 21:09	
p-Isopropyltoluene	ug/L	ND	5.0	05/29/24 21:09	
sec-Butylbenzene	ug/L	ND	5.0	05/29/24 21:09	
Styrene	ug/L	ND	5.0	05/29/24 21:09	
tert-Butylbenzene	ug/L	ND	5.0	05/29/24 21:09	
Tetrachloroethene	ug/L	ND	5.0	05/29/24 21:09	
Toluene	ug/L	ND	5.0	05/29/24 21:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/29/24 21:09	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/29/24 21:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/29/24 21:09	
Trichloroethene	ug/L	ND	5.0	05/29/24 21:09	
Trichlorofluoromethane	ug/L	ND	5.0	05/29/24 21:09	
Vinyl acetate	ug/L	ND	50.0	05/29/24 21:09	
Vinyl chloride	ug/L	ND	2.0	05/29/24 21:09	
Xylene (Total)	ug/L	ND	10.0	05/29/24 21:09	
4-Bromofluorobenzene (S)	%.	103	79-124	05/29/24 21:09	
Dibromofluoromethane (S)	%.	103	82-128	05/29/24 21:09	
Toluene-d8 (S)	%.	103	73-122	05/29/24 21:09	

LABORATORY CONTROL SAMPLE: 3626970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	81-130	
1,1,1-Trichloroethane	ug/L	50	43.5	87	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	96	70-126	
1,1,2-Trichloroethane	ug/L	50	49.2	98	79-125	
1,1-Dichloroethane	ug/L	50	44.6	89	79-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	44.2	88	71-130	
1,1-Dichloropropene	ug/L	50	45.8	92	78-144	
1,2,3-Trichlorobenzene	ug/L	50	44.7	89	57-146	
1,2,3-Trichloropropane	ug/L	50	48.4	97	74-127	
1,2,4-Trichlorobenzene	ug/L	50	40.2	80	62-136	
1,2,4-Trimethylbenzene	ug/L	50	43.2	86	69-120	
1,2-Dibromoethane (EDB)	ug/L	50	48.2	96	80-120	
1,2-Dichlorobenzene	ug/L	50	45.6	91	79-123	
1,2-Dichloroethane	ug/L	50	48.7	97	72-123	
1,2-Dichloropropane	ug/L	50	47.4	95	76-125	
1,3,5-Trimethylbenzene	ug/L	50	42.8	86	71-120	
1,3-Dichlorobenzene	ug/L	50	43.2	86	78-117	
1,3-Dichloropropane	ug/L	50	48.4	97	77-126	
1,4-Dichlorobenzene	ug/L	50	42.9	86	79-116	
1-Methylnaphthalene	ug/L	50	42.4	85	50-190	
2,2-Dichloropropane	ug/L	50	39.4	79	48-138	
2-Butanone (MEK)	ug/L	250	266	106	67-135	
2-Chlorotoluene	ug/L	50	43.6	87	75-122	
2-Hexanone	ug/L	250	229	91	65-135	
2-Methylnaphthalene	ug/L	50	38.1	76	55-184	
4-Chlorotoluene	ug/L	50	45.6	91	77-120	
4-Methyl-2-pentanone (MIBK)	ug/L	250	253	101	69-136	
Acetone	ug/L	250	287	115	34-156	
Acrolein	ug/L	1000	826	83	59-191	
Acrylonitrile	ug/L	250	254	102	67-146	
Benzene	ug/L	50	43.6	87	76-122	
Bromobenzene	ug/L	50	47.5	95	75-121	
Bromochloromethane	ug/L	50	49.7	99	73-119	
Bromodichloromethane	ug/L	50	48.3	97	80-126	
Bromoform	ug/L	50	49.5	99	77-124	
Bromomethane	ug/L	50	56.8	114	10-175	
Carbon disulfide	ug/L	50	41.6	83	69-121	
Carbon tetrachloride	ug/L	50	42.9	86	73-127	
Chlorobenzene	ug/L	50	46.5	93	76-118	
Chloroethane	ug/L	50	51.2	102	36-162	
Chloroform	ug/L	50	47.2	94	78-121	
Chloromethane	ug/L	50	48.8	98	37-143	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	77-123	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	76-132	
Dibromochloromethane	ug/L	50	49.2	98	79-130	
Dibromomethane	ug/L	50	48.5	97	79-124	
Dichlorodifluoromethane	ug/L	50	37.6	75	29-126	
Ethyl methacrylate	ug/L	50	51.4J	103	78-137	
Ethylbenzene	ug/L	50	45.1	90	76-120	
Hexachloro-1,3-butadiene	ug/L	50	40.3	81	60-131	
Iodomethane	ug/L	50	46.5	93	10-148	
Isopropylbenzene (Cumene)	ug/L	50	45.3	91	71-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	46.4	93	71-121	
Methylene Chloride	ug/L	50	53.2	106	71-121	
n-Butylbenzene	ug/L	50	40.4	81	68-131	
n-Hexane	ug/L	50	40.1	80	51-126	
n-Propylbenzene	ug/L	50	42.1	84	67-127	
Naphthalene	ug/L	50	45.2	90	62-143	
p-Isopropyltoluene	ug/L	50	41.6	83	72-124	
sec-Butylbenzene	ug/L	50	44.7	89	71-126	
Styrene	ug/L	50	47.0	94	80-121	
tert-Butylbenzene	ug/L	50	45.3	91	71-128	
Tetrachloroethene	ug/L	50	43.2	86	71-122	
Toluene	ug/L	50	44.8	90	74-118	
trans-1,2-Dichloroethene	ug/L	50	43.4	87	75-122	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	77-126	
trans-1,4-Dichloro-2-butene	ug/L	50	48.7J	97	53-136	
Trichloroethene	ug/L	50	43.3	87	74-125	
Trichlorofluoromethane	ug/L	50	42.9	86	64-138	
Vinyl acetate	ug/L	200	240	120	74-154	
Vinyl chloride	ug/L	50	48.4	97	55-139	
Xylene (Total)	ug/L	150	133	89	73-119	
4-Bromofluorobenzene (S)	%.			100	79-124	
Dibromofluoromethane (S)	%.			102	82-128	
Toluene-d8 (S)	%.			102	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626971 3626972

Parameter	Units	50374366004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	2500	2500	1990	1970	79	79	47-139	1	20	
1,1,1-Trichloroethane	ug/L	ND	2500	2500	2200	2200	88	88	47-145	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	2500	2500	2180	2260	87	90	49-133	3	20	
1,1,2-Trichloroethane	ug/L	ND	2500	2500	2200	2300	88	92	52-136	4	20	
1,1-Dichloroethane	ug/L	ND	2500	2500	2190	2220	88	89	52-137	1	20	
1,1-Dichloroethene	ug/L	ND	2500	2500	2250	2270	90	91	53-144	1	20	
1,1-Dichloropropene	ug/L	ND	2500	2500	2210	2160	88	87	49-150	2	20	
1,2,3-Trichlorobenzene	ug/L	ND	2500	2500	1260	1330	50	53	20-153	6	20	
1,2,3-Trichloropropane	ug/L	ND	2500	2500	2090	2180	83	87	47-134	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	2500	2500	1060	1130	42	45	23-141	7	20	
1,2,4-Trimethylbenzene	ug/L	2410	2500	2500	2760	2510	14	4	41-131	10	20	M1
1,2-Dibromoethane (EDB)	ug/L	ND	2500	2500	2070	2190	83	88	55-133	5	20	
1,2-Dichlorobenzene	ug/L	ND	2500	2500	1410	1380	56	55	43-133	2	20	
1,2-Dichloroethane	ug/L	ND	2500	2500	2360	2410	94	96	50-138	2	20	
1,2-Dichloropropane	ug/L	ND	2500	2500	2230	2220	89	89	54-139	1	20	
1,3,5-Trimethylbenzene	ug/L	540	2500	2500	1580	1460	42	37	39-133	8	20	M1
1,3-Dichlorobenzene	ug/L	ND	2500	2500	1260	1200	50	48	41-131	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626971 3626972

Parameter	Units	50374366004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichloropropane	ug/L	ND	2500	2500	2120	2170	85	87	50-136	2	20	
1,4-Dichlorobenzene	ug/L	ND	2500	2500	1220	1170	49	47	41-131	5	20	
1-Methylnaphthalene	ug/L	ND	2500	2500	1400	1660	52	63	10-188	17	20	
2,2-Dichloropropane	ug/L	ND	2500	2500	1980	1960	79	78	17-141	1	20	
2-Butanone (MEK)	ug/L	ND	12500	12500	11600	12300	92	98	45-138	6	20	
2-Chlorotoluene	ug/L	ND	2500	2500	1460	1340	58	53	36-141	9	20	
2-Hexanone	ug/L	ND	12500	12500	10500	11300	84	90	45-135	7	20	
2-Methylnaphthalene	ug/L	ND	2500	2500	1260	1470	45	53	10-197	15	20	
4-Chlorotoluene	ug/L	ND	2500	2500	1320	1230	53	49	38-134	7	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	12500	12500	11700	12600	94	100	46-138	7	20	
Acetone	ug/L	ND	12500	12500	14700	15000	117	120	25-151	2	20	
Acrolein	ug/L	ND	50000	50000	48200	50400	96	101	36-168	4	20	
Acrylonitrile	ug/L	ND	12500	12500	12000	12500	96	100	47-147	4	20	
Benzene	ug/L	3300	2500	2500	5740	5370	98	83	53-138	7	20	
Bromobenzene	ug/L	ND	2500	2500	1670	1620	67	65	47-130	3	20	
Bromochloromethane	ug/L	ND	2500	2500	2450	2450	98	98	52-130	0	20	
Bromodichloromethane	ug/L	ND	2500	2500	2220	2260	89	90	50-146	2	20	
Bromoform	ug/L	ND	2500	2500	2060	2170	82	87	45-132	5	20	
Bromomethane	ug/L	ND	2500	2500	2750	2730	110	109	10-173	1	20	
Carbon disulfide	ug/L	ND	2500	2500	1990	1910	80	76	47-133	4	20	
Carbon tetrachloride	ug/L	ND	2500	2500	2200	2180	88	87	43-148	1	20	
Chlorobenzene	ug/L	ND	2500	2500	1750	1690	70	68	52-131	4	20	
Chloroethane	ug/L	ND	2500	2500	2540	2540	101	102	25-169	0	20	
Chloroform	ug/L	ND	2500	2500	2270	2260	91	90	54-138	1	20	
Chloromethane	ug/L	ND	2500	2500	2390	2330	96	93	33-137	3	20	
cis-1,2-Dichloroethene	ug/L	ND	2500	2500	2130	2100	85	84	50-141	2	20	
cis-1,3-Dichloropropene	ug/L	ND	2500	2500	1960	2000	78	80	47-135	2	20	
Dibromochloromethane	ug/L	ND	2500	2500	2150	2200	86	88	48-139	3	20	
Dibromomethane	ug/L	ND	2500	2500	2200	2240	88	90	51-141	2	20	
Dichlorodifluoromethane	ug/L	ND	2500	2500	1460	1500	58	60	15-130	2	20	
Ethyl methacrylate	ug/L	ND	2500	2500	2160J	2350J	87	94	51-142		20	
Ethylbenzene	ug/L	3350	2500	2500	4620	4090	51	30	50-136	12	20	M1
Hexachloro-1,3-butadiene	ug/L	ND	2500	2500	571	610	23	24	15-141	7	20	
Iodomethane	ug/L	ND	2500	2500	2190	2180	87	87	10-145	0	20	
Isopropylbenzene (Cumene)	ug/L	ND	2500	2500	1580	1440	57	52	46-137	9	20	
Methyl-tert-butyl ether	ug/L	ND	2500	2500	2090	2160	84	86	47-135	3	20	
Methylene Chloride	ug/L	440	2500	2500	2480	2450	82	81	48-131	1	20	
n-Butylbenzene	ug/L	ND	2500	2500	826	785	30	28	30-138	5	20	M1
n-Hexane	ug/L	427	2500	2500	2390	2410	79	79	35-137	1	20	
n-Propylbenzene	ug/L	463	2500	2500	1500	1340	41	35	37-135	11	20	M1
Naphthalene	ug/L	503	2500	2500	2020	2160	61	66	34-152	7	20	
p-Isopropyltoluene	ug/L	ND	2500	2500	953	901	38	35	35-136	6	20	
sec-Butylbenzene	ug/L	ND	2500	2500	1110	1030	44	40	36-137	8	20	
Styrene	ug/L	ND	2500	2500	1690	1590	67	64	46-136	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626971 3626972

Parameter	Units	50374366004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butylbenzene	ug/L	ND	2500	2500	1260	1170	51	47	40-137	8	20	
Tetrachloroethene	ug/L	ND	2500	2500	1680	1600	67	64	44-138	5	20	
Toluene	ug/L	ND	2500	2500	1960	1910	75	73	52-132	2	20	
trans-1,2-Dichloroethene	ug/L	ND	2500	2500	1980	1930	79	77	50-137	2	20	
trans-1,3-Dichloropropene	ug/L	ND	2500	2500	1900	1920	76	77	46-130	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	2500	2500	1960J	2110J	78	85	24-134		20	
Trichloroethene	ug/L	ND	2500	2500	1870	1810	75	73	49-140	3	20	
Trichlorofluoromethane	ug/L	ND	2500	2500	2340	2370	94	95	44-153	1	20	
Vinyl acetate	ug/L	ND	10000	10000	13000	13500	130	135	32-142	4	20	
Vinyl chloride	ug/L	ND	2500	2500	2370	2370	95	95	41-147	0	20	
Xylene (Total)	ug/L	5390	7500	7500	9290	8190	52	37	44-138	13	20	MS
4-Bromofluorobenzene (S)	%.						103	102	79-124			
Dibromofluoromethane (S)	%.						102	102	82-128			
Toluene-d8 (S)	%.						100	102	73-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch: 792578
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50374366002, 50374366006, 50374366007

METHOD BLANK: 3626973 Matrix: Water
Associated Lab Samples: 50374366002, 50374366006, 50374366007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,1-Dichloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,1-Dichloroethene	ug/L	ND	5.0	05/29/24 21:24	
1,1-Dichloropropene	ug/L	ND	5.0	05/29/24 21:24	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/29/24 21:24	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/29/24 21:24	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/29/24 21:24	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
1,2-Dichloroethane	ug/L	ND	5.0	05/29/24 21:24	
1,2-Dichloropropane	ug/L	ND	5.0	05/29/24 21:24	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/29/24 21:24	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
1,3-Dichloropropane	ug/L	ND	5.0	05/29/24 21:24	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
1-Methylnaphthalene	ug/L	ND	10.0	05/29/24 21:24	
2,2-Dichloropropane	ug/L	ND	5.0	05/29/24 21:24	
2-Butanone (MEK)	ug/L	ND	25.0	05/29/24 21:24	
2-Chlorotoluene	ug/L	ND	5.0	05/29/24 21:24	
2-Hexanone	ug/L	ND	25.0	05/29/24 21:24	
2-Methylnaphthalene	ug/L	ND	10.0	05/29/24 21:24	
4-Chlorotoluene	ug/L	ND	5.0	05/29/24 21:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/29/24 21:24	
Acetone	ug/L	ND	100	05/29/24 21:24	
Acrolein	ug/L	ND	50.0	05/29/24 21:24	
Acrylonitrile	ug/L	ND	100	05/29/24 21:24	
Benzene	ug/L	ND	5.0	05/29/24 21:24	
Bromobenzene	ug/L	ND	5.0	05/29/24 21:24	
Bromochloromethane	ug/L	ND	5.0	05/29/24 21:24	
Bromodichloromethane	ug/L	ND	5.0	05/29/24 21:24	
Bromoform	ug/L	ND	5.0	05/29/24 21:24	
Bromomethane	ug/L	ND	5.0	05/29/24 21:24	
Carbon disulfide	ug/L	ND	10.0	05/29/24 21:24	
Carbon tetrachloride	ug/L	ND	5.0	05/29/24 21:24	
Chlorobenzene	ug/L	ND	5.0	05/29/24 21:24	
Chloroethane	ug/L	ND	5.0	05/29/24 21:24	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

METHOD BLANK: 3626973 Matrix: Water
Associated Lab Samples: 50374366002, 50374366006, 50374366007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	5.0	05/29/24 21:24	
Chloromethane	ug/L	ND	5.0	05/29/24 21:24	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/29/24 21:24	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/29/24 21:24	
Dibromochloromethane	ug/L	ND	5.0	05/29/24 21:24	
Dibromomethane	ug/L	ND	5.0	05/29/24 21:24	
Dichlorodifluoromethane	ug/L	ND	5.0	05/29/24 21:24	
Ethyl methacrylate	ug/L	ND	100	05/29/24 21:24	
Ethylbenzene	ug/L	ND	5.0	05/29/24 21:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/29/24 21:24	
Iodomethane	ug/L	ND	10.0	05/29/24 21:24	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/29/24 21:24	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/29/24 21:24	
Methylene Chloride	ug/L	ND	5.0	05/29/24 21:24	
n-Butylbenzene	ug/L	ND	5.0	05/29/24 21:24	
n-Hexane	ug/L	6.2	5.0	05/29/24 21:24	
n-Propylbenzene	ug/L	ND	5.0	05/29/24 21:24	
Naphthalene	ug/L	ND	1.2	05/29/24 21:24	
p-Isopropyltoluene	ug/L	ND	5.0	05/29/24 21:24	
sec-Butylbenzene	ug/L	ND	5.0	05/29/24 21:24	
Styrene	ug/L	ND	5.0	05/29/24 21:24	
tert-Butylbenzene	ug/L	ND	5.0	05/29/24 21:24	
Tetrachloroethene	ug/L	ND	5.0	05/29/24 21:24	
Toluene	ug/L	ND	5.0	05/29/24 21:24	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/29/24 21:24	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/29/24 21:24	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/29/24 21:24	
Trichloroethene	ug/L	ND	5.0	05/29/24 21:24	
Trichlorofluoromethane	ug/L	ND	5.0	05/29/24 21:24	
Vinyl acetate	ug/L	ND	50.0	05/29/24 21:24	
Vinyl chloride	ug/L	ND	2.0	05/29/24 21:24	
Xylene (Total)	ug/L	ND	10.0	05/29/24 21:24	
4-Bromofluorobenzene (S)	%.	101	79-124	05/29/24 21:24	
Dibromofluoromethane (S)	%.	105	82-128	05/29/24 21:24	
Toluene-d8 (S)	%.	101	73-122	05/29/24 21:24	

LABORATORY CONTROL SAMPLE: 3626974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.8	98	81-130	
1,1,1-Trichloroethane	ug/L	50	43.0	86	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.5	101	70-126	
1,1,2-Trichloroethane	ug/L	50	49.4	99	79-125	
1,1-Dichloroethane	ug/L	50	46.2	92	79-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	43.1	86	71-130	
1,1-Dichloropropene	ug/L	50	45.4	91	78-144	
1,2,3-Trichlorobenzene	ug/L	50	45.0	90	57-146	
1,2,3-Trichloropropane	ug/L	50	50.7	101	74-127	
1,2,4-Trichlorobenzene	ug/L	50	39.9	80	62-136	
1,2,4-Trimethylbenzene	ug/L	50	43.8	88	69-120	
1,2-Dibromoethane (EDB)	ug/L	50	49.3	99	80-120	
1,2-Dichlorobenzene	ug/L	50	46.5	93	79-123	
1,2-Dichloroethane	ug/L	50	48.0	96	72-123	
1,2-Dichloropropane	ug/L	50	48.2	96	76-125	
1,3,5-Trimethylbenzene	ug/L	50	44.9	90	71-120	
1,3-Dichlorobenzene	ug/L	50	45.2	90	78-117	
1,3-Dichloropropane	ug/L	50	49.2	98	77-126	
1,4-Dichlorobenzene	ug/L	50	44.3	89	79-116	
1-Methylnaphthalene	ug/L	50	47.8	96	50-190	
2,2-Dichloropropane	ug/L	50	39.3	79	48-138	
2-Butanone (MEK)	ug/L	250	209	83	67-135	
2-Chlorotoluene	ug/L	50	47.5	95	75-122	
2-Hexanone	ug/L	250	194	78	65-135	
2-Methylnaphthalene	ug/L	50	46.0	92	55-184	
4-Chlorotoluene	ug/L	50	46.8	94	77-120	
4-Methyl-2-pentanone (MIBK)	ug/L	250	246	98	69-136	
Acetone	ug/L	250	199	80	34-156	
Acrolein	ug/L	1000	886	89	59-191	
Acrylonitrile	ug/L	250	254	102	67-146	
Benzene	ug/L	50	44.3	89	76-122	
Bromobenzene	ug/L	50	45.0	90	75-121	
Bromochloromethane	ug/L	50	49.1	98	73-119	
Bromodichloromethane	ug/L	50	48.7	97	80-126	
Bromoform	ug/L	50	51.0	102	77-124	
Bromomethane	ug/L	50	55.0	110	10-175	
Carbon disulfide	ug/L	50	39.7	79	69-121	
Carbon tetrachloride	ug/L	50	42.8	86	73-127	
Chlorobenzene	ug/L	50	46.1	92	76-118	
Chloroethane	ug/L	50	48.7	97	36-162	
Chloroform	ug/L	50	45.7	91	78-121	
Chloromethane	ug/L	50	46.6	93	37-143	
cis-1,2-Dichloroethene	ug/L	50	45.4	91	77-123	
cis-1,3-Dichloropropene	ug/L	50	48.2	96	76-132	
Dibromochloromethane	ug/L	50	50.3	101	79-130	
Dibromomethane	ug/L	50	49.7	99	79-124	
Dichlorodifluoromethane	ug/L	50	36.8	74	29-126	
Ethyl methacrylate	ug/L	50	52.8J	106	78-137	
Ethylbenzene	ug/L	50	44.9	90	76-120	
Hexachloro-1,3-butadiene	ug/L	50	39.5	79	60-131	
Iodomethane	ug/L	50	46.1	92	10-148	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	71-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	46.5	93	71-121	
Methylene Chloride	ug/L	50	52.7	105	71-121	
n-Butylbenzene	ug/L	50	41.2	82	68-131	
n-Hexane	ug/L	50	42.2	84	51-126	
n-Propylbenzene	ug/L	50	45.4	91	67-127	
Naphthalene	ug/L	50	45.6	91	62-143	
p-Isopropyltoluene	ug/L	50	42.5	85	72-124	
sec-Butylbenzene	ug/L	50	45.3	91	71-126	
Styrene	ug/L	50	46.6	93	80-121	
tert-Butylbenzene	ug/L	50	47.7	95	71-128	
Tetrachloroethene	ug/L	50	42.7	85	71-122	
Toluene	ug/L	50	45.0	90	74-118	
trans-1,2-Dichloroethene	ug/L	50	42.7	85	75-122	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	77-126	
trans-1,4-Dichloro-2-butene	ug/L	50	45.3J	91	53-136	
Trichloroethene	ug/L	50	44.5	89	74-125	
Trichlorofluoromethane	ug/L	50	41.6	83	64-138	
Vinyl acetate	ug/L	200	270	135	74-154	
Vinyl chloride	ug/L	50	46.4	93	55-139	
Xylene (Total)	ug/L	150	135	90	73-119	
4-Bromofluorobenzene (S)	%.			100	79-124	
Dibromofluoromethane (S)	%.			100	82-128	
Toluene-d8 (S)	%.			101	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626975 3626976

Parameter	Units	50374259023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	51.8	52.9	104	106	47-139	2	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.8	54.6	110	109	47-145	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.2	51.2	100	102	49-133	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	51.1	52.9	102	106	52-136	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	55.1	54.8	110	110	52-137	0	20	
1,1-Dichloroethene	ug/L	ND	50	50	58.8	58.3	118	117	53-144	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	58.9	60.4	118	121	49-150	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	42.6	47.4	85	95	20-153	11	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	51.1	50.4	102	101	47-134	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	37.5	43.0	75	86	23-141	14	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	41.3	46.5	83	93	41-131	12	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	50.4	51.6	101	103	55-133	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	44.4	49.7	89	99	43-133	11	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.9	52.2	104	104	50-138	0	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.0	53.9	106	108	54-139	2	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	42.4	45.9	85	92	39-133	8	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	43.8	49.0	88	98	41-131	11	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626975 3626976

Parameter	Units	50374259023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichloropropane	ug/L	ND	50	50	51.3	52.0	103	104	50-136	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	41.9	46.9	84	94	41-131	11	20	
1-Methylnaphthalene	ug/L	ND	50	50	43.6	47.6	87	95	10-188	9	20	
2,2-Dichloropropane	ug/L	ND	50	50	50.6	51.0	101	102	17-141	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	206	208	82	83	45-138	1	20	
2-Chlorotoluene	ug/L	ND	50	50	47.0	48.7	94	97	36-141	4	20	
2-Hexanone	ug/L	ND	250	250	191	196	76	78	45-135	3	20	
2-Methylnaphthalene	ug/L	ND	50	50	42.2	47.8	84	96	10-197	12	20	
4-Chlorotoluene	ug/L	ND	50	50	45.7	49.0	91	98	38-134	7	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	245	253	98	101	46-138	3	20	
Acetone	ug/L	ND	250	250	198	206	78	81	25-151	4	20	
Acrolein	ug/L	ND	1000	1000	953	968	95	97	36-168	2	20	
Acrylonitrile	ug/L	ND	250	250	256	262	102	105	47-147	2	20	
Benzene	ug/L	ND	50	50	50.8	51.3	102	103	53-138	1	20	
Bromobenzene	ug/L	ND	50	50	45.9	48.7	92	97	47-130	6	20	
Bromochloromethane	ug/L	ND	50	50	54.7	55.3	109	111	52-130	1	20	
Bromodichloromethane	ug/L	ND	50	50	53.7	54.2	107	108	50-146	1	20	
Bromoform	ug/L	ND	50	50	49.4	50.0	99	100	45-132	1	20	
Bromomethane	ug/L	ND	50	50	68.9	69.3	138	139	10-173	1	20	
Carbon disulfide	ug/L	ND	50	50	53.0	53.0	106	106	47-133	0	20	
Carbon tetrachloride	ug/L	ND	50	50	57.6	57.6	115	115	43-148	0	20	
Chlorobenzene	ug/L	ND	50	50	48.7	50.2	97	100	52-131	3	20	
Chloroethane	ug/L	ND	50	50	64.5	64.3	129	129	25-169	0	20	
Chloroform	ug/L	ND	50	50	52.5	52.7	105	105	54-138	0	20	
Chloromethane	ug/L	ND	50	50	62.1	63.2	124	126	33-137	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	56.4	55.2	107	104	50-141	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	51.2	52.8	102	106	47-135	3	20	
Dibromochloromethane	ug/L	ND	50	50	52.2	53.8	104	108	48-139	3	20	
Dibromomethane	ug/L	ND	50	50	51.4	52.5	103	105	51-141	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	57.5	59.0	115	118	15-130	3	20	
Ethyl methacrylate	ug/L	ND	50	50	52.1J	53.2J	104	106	51-142		20	
Ethylbenzene	ug/L	ND	50	50	48.9	52.1	98	104	50-136	6	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	35.6	47.1	71	94	15-141	28	20	R1
Iodomethane	ug/L	ND	50	50	54.5	56.9	109	114	10-145	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	49.2	53.1	98	106	46-137	8	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	46.7	48.1	93	96	47-135	3	20	
Methylene Chloride	ug/L	ND	50	50	55.7	57.2	111	114	48-131	3	20	
n-Butylbenzene	ug/L	ND	50	50	39.3	47.8	79	96	30-138	20	20	
n-Hexane	ug/L	ND	50	50	59.8	60.6	117	119	35-137	1	20	
n-Propylbenzene	ug/L	ND	50	50	45.8	47.8	92	96	37-135	4	20	
Naphthalene	ug/L	ND	50	50	41.2	46.1	82	92	34-152	11	20	
p-Isopropyltoluene	ug/L	ND	50	50	40.9	47.5	82	95	35-136	15	20	
sec-Butylbenzene	ug/L	ND	50	50	45.5	51.9	91	104	36-137	13	20	
Styrene	ug/L	ND	50	50	46.3	48.5	93	97	46-136	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626975 3626976

Parameter	Units	50374259023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butylbenzene	ug/L	ND	50	50	48.2	52.3	96	105	40-137	8	20	
Tetrachloroethene	ug/L	35.2	50	50	85.4	88.4	100	107	44-138	3	20	
Toluene	ug/L	ND	50	50	50.1	51.3	100	103	52-132	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	53.4	53.3	107	106	50-137	0	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	48.4	49.0	97	98	46-130	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	46.6J	48.3J	93	97	24-134		20	
Trichloroethene	ug/L	ND	50	50	55.3	55.6	105	106	49-140	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	63.6	64.0	127	128	44-153	1	20	
Vinyl acetate	ug/L	ND	200	200	255	257	127	128	32-142	1	20	
Vinyl chloride	ug/L	ND	50	50	64.6	66.2	129	132	41-147	2	20	
Xylene (Total)	ug/L	ND	150	150	140	150	94	100	44-138	7	20	
4-Bromofluorobenzene (S)	%.						98	100	79-124			
Dibromofluoromethane (S)	%.						101	101	82-128			
Toluene-d8 (S)	%.						101	104	73-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch: 792480
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50374366001, 50374366003, 50374366005

METHOD BLANK: 3626593 Matrix: Solid
Associated Lab Samples: 50374366001, 50374366003, 50374366005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,1-Dichloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,1-Dichloroethene	mg/kg	ND	0.0050	05/29/24 09:19	
1,1-Dichloropropene	mg/kg	ND	0.0050	05/29/24 09:19	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	05/29/24 09:19	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	05/29/24 09:19	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,2-Dichloroethane	mg/kg	ND	0.0050	05/29/24 09:19	
1,2-Dichloropropane	mg/kg	ND	0.0050	05/29/24 09:19	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1,3-Dichloropropane	mg/kg	ND	0.0050	05/29/24 09:19	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
1-Methylnaphthalene	mg/kg	ND	0.010	05/29/24 09:19	
2,2-Dichloropropane	mg/kg	ND	0.0050	05/29/24 09:19	
2-Butanone (MEK)	mg/kg	ND	0.025	05/29/24 09:19	
2-Chlorotoluene	mg/kg	ND	0.0050	05/29/24 09:19	
2-Hexanone	mg/kg	ND	0.10	05/29/24 09:19	
2-Methylnaphthalene	mg/kg	ND	0.010	05/29/24 09:19	
4-Chlorotoluene	mg/kg	ND	0.0050	05/29/24 09:19	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	05/29/24 09:19	
Acetone	mg/kg	ND	0.10	05/29/24 09:19	
Acrolein	mg/kg	ND	0.10	05/29/24 09:19	
Acrylonitrile	mg/kg	ND	0.10	05/29/24 09:19	
Benzene	mg/kg	ND	0.0050	05/29/24 09:19	
Bromobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Bromochloromethane	mg/kg	ND	0.0050	05/29/24 09:19	
Bromodichloromethane	mg/kg	ND	0.0050	05/29/24 09:19	
Bromoform	mg/kg	ND	0.0050	05/29/24 09:19	
Bromomethane	mg/kg	ND	0.0050	05/29/24 09:19	
Carbon disulfide	mg/kg	ND	0.010	05/29/24 09:19	
Carbon tetrachloride	mg/kg	ND	0.0050	05/29/24 09:19	
Chlorobenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Chloroethane	mg/kg	ND	0.0050	05/29/24 09:19	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

METHOD BLANK: 3626593 Matrix: Solid
Associated Lab Samples: 50374366001, 50374366003, 50374366005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	mg/kg	ND	0.0050	05/29/24 09:19	
Chloromethane	mg/kg	ND	0.0050	05/29/24 09:19	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	05/29/24 09:19	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	05/29/24 09:19	
Dibromochloromethane	mg/kg	ND	0.0050	05/29/24 09:19	
Dibromomethane	mg/kg	ND	0.0050	05/29/24 09:19	
Dichlorodifluoromethane	mg/kg	ND	0.0050	05/29/24 09:19	
Ethyl methacrylate	mg/kg	ND	0.10	05/29/24 09:19	
Ethylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	05/29/24 09:19	
Iodomethane	mg/kg	ND	0.10	05/29/24 09:19	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	05/29/24 09:19	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	05/29/24 09:19	
Methylene Chloride	mg/kg	ND	0.020	05/29/24 09:19	
n-Butylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
n-Hexane	mg/kg	0.024	0.0050	05/29/24 09:19	C9
n-Propylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Naphthalene	mg/kg	ND	0.0050	05/29/24 09:19	
p-Isopropyltoluene	mg/kg	ND	0.0050	05/29/24 09:19	
sec-Butylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Styrene	mg/kg	ND	0.0050	05/29/24 09:19	
tert-Butylbenzene	mg/kg	ND	0.0050	05/29/24 09:19	
Tetrachloroethene	mg/kg	ND	0.0050	05/29/24 09:19	
Toluene	mg/kg	ND	0.0050	05/29/24 09:19	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	05/29/24 09:19	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	05/29/24 09:19	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	05/29/24 09:19	
Trichloroethene	mg/kg	ND	0.0050	05/29/24 09:19	
Trichlorofluoromethane	mg/kg	ND	0.0050	05/29/24 09:19	
Vinyl acetate	mg/kg	ND	0.10	05/29/24 09:19	
Vinyl chloride	mg/kg	ND	0.0050	05/29/24 09:19	
Xylene (Total)	mg/kg	ND	0.010	05/29/24 09:19	
4-Bromofluorobenzene (S)	%.	99	63-132	05/29/24 09:19	
Dibromofluoromethane (S)	%.	106	75-135	05/29/24 09:19	
Toluene-d8 (S)	%.	104	65-148	05/29/24 09:19	

LABORATORY CONTROL SAMPLE: 3626594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.051	102	70-129	
1,1,1-Trichloroethane	mg/kg	0.05	0.048	96	67-134	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.048	97	67-122	
1,1,2-Trichloroethane	mg/kg	0.05	0.049	98	72-127	
1,1-Dichloroethane	mg/kg	0.05	0.049	98	72-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/kg	0.05	0.050	100	57-140	
1,1-Dichloropropene	mg/kg	0.05	0.051	101	76-133	
1,2,3-Trichlorobenzene	mg/kg	0.05	0.051	101	53-139	
1,2,3-Trichloropropane	mg/kg	0.05	0.047	93	70-124	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.051	103	49-136	
1,2,4-Trimethylbenzene	mg/kg	0.05	0.049	98	60-122	
1,2-Dibromoethane (EDB)	mg/kg	0.05	0.048	95	71-126	
1,2-Dichlorobenzene	mg/kg	0.05	0.050	99	68-120	
1,2-Dichloroethane	mg/kg	0.05	0.050	101	67-129	
1,2-Dichloropropane	mg/kg	0.05	0.050	99	71-123	
1,3,5-Trimethylbenzene	mg/kg	0.05	0.049	97	62-118	
1,3-Dichlorobenzene	mg/kg	0.05	0.050	100	65-121	
1,3-Dichloropropane	mg/kg	0.05	0.049	97	73-127	
1,4-Dichlorobenzene	mg/kg	0.05	0.050	100	66-122	
1-Methylnaphthalene	mg/kg	0.05	0.041	82	52-137	
2,2-Dichloropropane	mg/kg	0.05	0.047	94	63-137	
2-Butanone (MEK)	mg/kg	0.25	0.24	94	59-136	
2-Chlorotoluene	mg/kg	0.05	0.049	98	67-121	
2-Hexanone	mg/kg	0.25	0.21	83	62-127	
2-Methylnaphthalene	mg/kg	0.05	0.040	80	50-141	
4-Chlorotoluene	mg/kg	0.05	0.053	106	66-122	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.25	0.23	94	67-131	
Acetone	mg/kg	0.25	0.26	104	45-127	
Acrolein	mg/kg	1	0.90	90	42-158	
Acrylonitrile	mg/kg	0.25	0.24	97	69-127	
Benzene	mg/kg	0.05	0.047	94	69-125	
Bromobenzene	mg/kg	0.05	0.051	101	69-121	
Bromochloromethane	mg/kg	0.05	0.054	107	70-125	
Bromodichloromethane	mg/kg	0.05	0.052	104	77-130	
Bromoform	mg/kg	0.05	0.052	104	67-128	
Bromomethane	mg/kg	0.05	0.065	130	60-156	
Carbon disulfide	mg/kg	0.05	0.051	101	47-137	
Carbon tetrachloride	mg/kg	0.05	0.049	98	68-132	
Chlorobenzene	mg/kg	0.05	0.051	101	68-122	
Chloroethane	mg/kg	0.05	0.058	116	61-137	
Chloroform	mg/kg	0.05	0.051	102	71-124	
Chloromethane	mg/kg	0.05	0.056	112	56-131	
cis-1,2-Dichloroethene	mg/kg	0.05	0.050	99	70-123	
cis-1,3-Dichloropropene	mg/kg	0.05	0.051	103	72-136	
Dibromochloromethane	mg/kg	0.05	0.051	103	73-130	
Dibromomethane	mg/kg	0.05	0.050	101	74-123	
Dichlorodifluoromethane	mg/kg	0.05	0.042	84	23-127	
Ethyl methacrylate	mg/kg	0.05	.049J	98	70-131	
Ethylbenzene	mg/kg	0.05	0.050	100	65-124	
Hexachloro-1,3-butadiene	mg/kg	0.05	0.050	99	52-133	
Iodomethane	mg/kg	0.05	.052J	105	50-137	
Isopropylbenzene (Cumene)	mg/kg	0.05	0.050	100	65-126	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

LABORATORY CONTROL SAMPLE: 3626594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	mg/kg	0.05	0.044	88	69-128	
Methylene Chloride	mg/kg	0.05	0.056	112	61-128	
n-Butylbenzene	mg/kg	0.05	0.051	101	62-127	
n-Hexane	mg/kg	0.05	0.064	127	55-123	L1
n-Propylbenzene	mg/kg	0.05	0.049	98	67-124	
Naphthalene	mg/kg	0.05	0.045	89	60-133	
p-Isopropyltoluene	mg/kg	0.05	0.049	98	64-124	
sec-Butylbenzene	mg/kg	0.05	0.050	99	68-124	
Styrene	mg/kg	0.05	0.051	103	68-124	
tert-Butylbenzene	mg/kg	0.05	0.049	97	69-122	
Tetrachloroethene	mg/kg	0.05	0.048	97	62-128	
Toluene	mg/kg	0.05	0.048	97	60-122	
trans-1,2-Dichloroethene	mg/kg	0.05	0.048	97	67-124	
trans-1,3-Dichloropropene	mg/kg	0.05	0.049	98	68-136	
trans-1,4-Dichloro-2-butene	mg/kg	0.05	.05J	100	64-134	
Trichloroethene	mg/kg	0.05	0.047	95	68-128	
Trichlorofluoromethane	mg/kg	0.05	0.049	98	57-146	
Vinyl acetate	mg/kg	0.2	0.28	139	56-181	
Vinyl chloride	mg/kg	0.05	0.055	110	52-142	
Xylene (Total)	mg/kg	0.15	0.15	98	62-122	
4-Bromofluorobenzene (S)	%.			99	63-132	
Dibromofluoromethane (S)	%.			103	75-135	
Toluene-d8 (S)	%.			103	65-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626941 3626942

Parameter	Units	50374366003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	3.4	3.4	3.6	3.7	105	108	22-160	3	20	
1,1,1-Trichloroethane	mg/kg	ND	3.4	3.4	3.7	3.8	107	111	52-148	4	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	3.4	3.4	3.6	3.7	106	109	24-166	3	20	
1,1,2-Trichloroethane	mg/kg	ND	3.4	3.4	3.6	3.7	107	110	30-162	2	20	
1,1-Dichloroethane	mg/kg	ND	3.4	3.4	3.6	3.6	105	106	49-138	1	20	
1,1-Dichloroethene	mg/kg	ND	3.4	3.4	3.8	3.9	111	114	39-162	3	20	
1,1-Dichloropropene	mg/kg	ND	3.4	3.4	4.0	4.1	119	121	47-149	2	20	
1,2,3-Trichlorobenzene	mg/kg	ND	3.4	3.4	3.6	3.6	105	106	10-123	1	20	
1,2,3-Trichloropropane	mg/kg	ND	3.4	3.4	3.5	3.6	104	107	17-177	3	20	
1,2,4-Trichlorobenzene	mg/kg	ND	3.4	3.4	3.5	3.6	103	105	10-119	2	20	
1,2,4-Trimethylbenzene	mg/kg	ND	3.4	3.4	3.7	3.6	102	100	12-157	2	20	
1,2-Dibromoethane (EDB)	mg/kg	ND	3.4	3.4	3.5	3.5	102	102	36-141	0	20	
1,2-Dichlorobenzene	mg/kg	ND	3.4	3.4	3.4	3.5	101	102	10-136	0	20	
1,2-Dichloroethane	mg/kg	ND	3.4	3.4	3.6	3.8	106	111	48-138	4	20	
1,2-Dichloropropane	mg/kg	ND	3.4	3.4	3.6	3.6	105	106	45-140	1	20	
1,3,5-Trimethylbenzene	mg/kg	ND	3.4	3.4	3.8	3.8	105	103	11-170	2	20	
1,3-Dichlorobenzene	mg/kg	ND	3.4	3.4	3.5	3.5	102	103	10-135	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626941 3626942

Parameter	Units	50374366003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichloropropane	mg/kg	ND	3.4	3.4	3.5	3.5	103	103	33-153	0	20	
1,4-Dichlorobenzene	mg/kg	ND	3.4	3.4	3.5	3.5	102	103	10-136	1	20	
1-Methylnaphthalene	mg/kg	ND	3.4	3.4	3.2	3.4	94	99	10-119	6	20	
2,2-Dichloropropane	mg/kg	ND	3.4	3.4	3.4	3.5	101	104	41-151	3	20	
2-Butanone (MEK)	mg/kg	ND	17	17	18.8	19.5	111	115	33-160	4	20	
2-Chlorotoluene	mg/kg	ND	3.4	3.4	3.4	3.5	101	103	10-174	3	20	
2-Hexanone	mg/kg	ND	17	17	17.1	16.9	100	100	18-155	1	20	
2-Methylnaphthalene	mg/kg	ND	3.4	3.4	3.0	3.1	89	91	10-122	2	20	
4-Chlorotoluene	mg/kg	ND	3.4	3.4	3.7	3.7	108	109	12-150	1	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	17	17	17.9	18.3	105	108	27-175	2	20	
Acetone	mg/kg	ND	17	17	20.7	20.2	122	119	18-159	2	20	
Acrolein	mg/kg	ND	68	68	61.7	62.3	91	92	10-155	1	20	
Acrylonitrile	mg/kg	ND	17	17	18.8	19.0	110	112	24-157	1	20	
Benzene	mg/kg	0.59	3.4	3.4	4.0	4.1	102	103	48-137	1	20	
Bromobenzene	mg/kg	ND	3.4	3.4	3.7	3.6	109	105	10-136	4	20	
Bromochloromethane	mg/kg	ND	3.4	3.4	3.5	3.6	103	107	48-134	4	20	
Bromodichloromethane	mg/kg	ND	3.4	3.4	3.7	3.8	108	110	32-152	2	20	
Bromoform	mg/kg	ND	3.4	3.4	3.6	3.8	106	111	10-178	4	20	
Bromomethane	mg/kg	ND	3.4	3.4	2.8	2.9	83	84	31-164	1	20	
Carbon disulfide	mg/kg	ND	3.4	3.4	3.3	3.5	98	102	23-145	4	20	
Carbon tetrachloride	mg/kg	ND	3.4	3.4	3.8	3.9	111	114	43-148	3	20	
Chlorobenzene	mg/kg	ND	3.4	3.4	3.7	3.6	108	107	28-136	1	20	
Chloroethane	mg/kg	ND	3.4	3.4	2.6	2.5	77	73	34-160	5	20	
Chloroform	mg/kg	ND	3.4	3.4	3.6	3.7	107	109	54-136	2	20	
Chloromethane	mg/kg	ND	3.4	3.4	4.2	4.1	124	121	36-145	3	20	
cis-1,2-Dichloroethene	mg/kg	ND	3.4	3.4	3.5	3.7	104	108	52-132	4	20	
cis-1,3-Dichloropropene	mg/kg	ND	3.4	3.4	3.5	3.6	103	105	22-163	2	20	
Dibromochloromethane	mg/kg	ND	3.4	3.4	3.6	3.6	106	107	18-161	1	20	
Dibromomethane	mg/kg	ND	3.4	3.4	3.6	3.7	105	109	32-147	4	20	
Dichlorodifluoromethane	mg/kg	ND	3.4	3.4	3.7	3.6	108	107	10-138	1	20	
Ethyl methacrylate	mg/kg	ND	3.4	3.4	3.9J	4J	116	116	10-167		20	
Ethylbenzene	mg/kg	ND	3.4	3.4	3.8	3.7	109	108	24-150	1	20	
Hexachloro-1,3-butadiene	mg/kg	ND	3.4	3.4	3.5	3.5	101	104	10-154	2	20	
Iodomethane	mg/kg	ND	3.4	3.4	3.5J	3.5J	102	103	23-142		20	
Isopropylbenzene (Cumene)	mg/kg	ND	3.4	3.4	3.9	3.8	110	109	30-144	1	20	
Methyl-tert-butyl ether	mg/kg	ND	3.4	3.4	3.3	3.4	97	99	57-141	2	20	
Methylene Chloride	mg/kg	ND	3.4	3.4	3.8	3.8	112	113	40-140	1	20	
n-Butylbenzene	mg/kg	ND	3.4	3.4	3.7	3.7	106	106	10-156	0	20	
n-Hexane	mg/kg	0.96	3.4	3.4	4.7	4.7	110	109	22-150	1	20	
n-Propylbenzene	mg/kg	0.36	3.4	3.4	4.0	4.0	106	106	10-181	0	20	
Naphthalene	mg/kg	ND	3.4	3.4	3.3	3.4	97	101	10-132	4	20	
p-Isopropyltoluene	mg/kg	ND	3.4	3.4	3.6	3.7	104	106	10-171	2	20	
sec-Butylbenzene	mg/kg	ND	3.4	3.4	3.8	3.8	110	110	10-178	0	20	
Styrene	mg/kg	ND	3.4	3.4	3.8	3.7	111	109	12-138	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3626941 3626942

Parameter	Units	50374366003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butylbenzene	mg/kg	ND	3.4	3.4	3.6	3.8	106	111	10-182	5	20	
Tetrachloroethene	mg/kg	ND	3.4	3.4	3.7	3.8	110	111	26-159	1	20	
Toluene	mg/kg	ND	3.4	3.4	3.5	3.6	103	105	28-150	2	20	
trans-1,2-Dichloroethene	mg/kg	ND	3.4	3.4	3.5	3.6	104	106	50-134	2	20	
trans-1,3-Dichloropropene	mg/kg	ND	3.4	3.4	3.4	3.5	101	103	17-153	2	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	3.4	3.4	4J	3.7J	117	109	10-146		20	
Trichloroethene	mg/kg	ND	3.4	3.4	3.5	3.6	103	106	33-155	3	20	
Trichlorofluoromethane	mg/kg	ND	3.4	3.4	3.5	3.4	102	100	37-163	2	20	
Vinyl acetate	mg/kg	ND	13.6	13.6	19.0	19.7	139	145	10-183	4	20	
Vinyl chloride	mg/kg	ND	3.4	3.4	3.9	3.9	115	114	37-161	1	20	
Xylene (Total)	mg/kg	0.97	10.2	10.2	12.0	11.7	108	106	25-142	2	20	
4-Bromofluorobenzene (S)	%.						102	100	63-132			
Dibromofluoromethane (S)	%.						100	102	75-135			D3
Toluene-d8 (S)	%.						100	98	65-148			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

QC Batch:	793605	Analysis Method:	SM 2540G
QC Batch Method:	SM 2540G	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Indianapolis

Associated Lab Samples: 50374366001, 50374366003, 50374366005

SAMPLE DUPLICATE: 3631070

Parameter	Units	50374366003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.7	16.1	3	10	N2

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2729 Mitchell Rd, Bedford (ELT
Pace Project No.: 50374366

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50374366001	**GP-1 (2-4)**	EPA 3050	792746	EPA 6010	793339
50374366003	**GP-2 (4-6)**	EPA 3050	792746	EPA 6010	793339
50374366005	**Dup SL**	EPA 3050	792746	EPA 6010	793339
50374366002	**GP-1**	EPA 3010	792976	EPA 6010	793195
50374366004	**GP-2 W**	EPA 3010	792976	EPA 6010	793195
50374366006	**Dup G**	EPA 3010	792976	EPA 6010	793195
50374366002	**GP-1**	EPA 5030/8260	792578		
50374366004	**GP-2 W**	EPA 5030/8260	792577		
50374366006	**Dup G**	EPA 5030/8260	792578		
50374366007	**Trip Blank**	EPA 5030/8260	792578		
50374366001	**GP-1 (2-4)**	EPA 8260	792480		
50374366003	**GP-2 (4-6)**	EPA 8260	792480		
50374366005	**Dup SL**	EPA 8260	792480		
50374366001	**GP-1 (2-4)**	SM 2540G	793605		
50374366003	**GP-2 (4-6)**	SM 2540G	793605		
50374366005	**Dup SL**	SM 2540G	793605		

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY

WO# : 50374366

50374366

Company Name:	IWM Consulting	Contact/Report To:	Mandy Hall
Street Address:	7428 Rockville Road, Indianapolis, IN 46214	Phone #:	317-565-1618
		E-Mail:	mhall@iwmconsult.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2729 Mitchell Rd, Bedford (ELTF)	Invoice To:	Emily Gibson
		Invoice E-Mail:	officemanager@iwmconsult.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	Indiana
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No	
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____	DW PWSID # or WW Permit # as applicable:	
	Date Results Requested: 5 Day TAT	Field Filtered (if applicable): [ ] Yes [X] No	
		Analysis:	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Heather Patterson**

AcctNum / Client ID:

Table #:

Profile / Template: **9791-1, 2**

Prelog / Bottle Ord. ID: **EZ 3116575**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	VOC by 8260	Lead, Total by 6010	MS/MSD	Sample Comment	Preservation non-conformance identified for sample.
GP-1 (2-4')	SS	G			5/28/24	9:40	4			X	X			
GP-1 W	GW	G			5/28/24	11:15	4			X	X			
GP-2 (4-6) (MS/MSD)	SS	G			5/28/24	10:15	12			X	X	X		
GP-2 W (MS/MSD)	GW	G			5/28/24	10:40	12			X	X	X		
Dup SL	SS	G			5/28/24	—	4			X	X			
Dup G	GW	G			5/28/24	—	3			X	X			
Trip Blank	WT	G			5/28/24	9:15	3			X				

Additional Instructions from Pace®:
Terra core vials must be frozen at the lab within 48 hours of collection
Hand label each terra core vial. No additional sample tags can be placed on terra core vials, as this will cover and change the tared weight Dup G - only 2 VOCs + half 250 ML vial
Ask Mandy Hall for Data Delivery Level

Collected By:
(Printed Name) Garrett Page
Signature: Garrett Page

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	D	0	1.0	1.0	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Garrett Page / IWM	5/28/24 14:36	Chelsea B	5/28/24 14:36	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CB 5/28/24 15:41

1. Courier: ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____
2. Custody Seal on Cooler/Box Present: ☐ Yes ☑ No
(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)
3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H
4. Cooler Temperature(s): 1.0/1.0 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____
6. Ice Type: ☑ Wet ☐ Blue ☐ None
7. Was the PM notified of out of temp cooler?: ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C
8. EZ Bottle Order? ☑ Yes ☐ No
If yes but not on COC what is the EZ Bottle Order Number?:

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.	✓		
Short Hold Time Analysis (48 hours or less)? Analysis: Terracore	✓		Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 15:50			Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Custody Signatures Present?	✓		Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Containers Intact?:	✓		Headspace Wisconsin Sulfide?			✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present ✓	Absent ✓	No VOA Vials Sent ✓
Extra labels on Terracore Vials? (soils only)		✓	Trip Blank Present?	✓	✓	
			Trip Blank Custody Seals?: CB 5/28	✓		✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI (R)	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1	1		3																								SL				
2				3															1								WT				
3	3		9																								SL				
4				9															3								WT				
5	1		3																								SL				
6				2															1								WT				
7				3																							I				
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

APPENDIX B

Boring Log and Well Completion Diagrams

LOG OF BORING GP-1

Citgo Bedford
2729 Mitchell Road
Bedford, Lawrence County, Indiana 47421
IDEM FID No. 4846
Incident No. 202311516

Date Completed	: 05/28/2024	Casing Size	: 1"
Drilling Method	: Direct Push	Initial Water Level	: ~13.00'
Sampling Method	: Continuous Dual Tube	Final Water Level	: N/A
Field/Office Logged	: GP/GP	Selected for Analysis	: *
Hole Diameter	: ~2.25"	Drilling Contractor	: Strata Env. Contractors

Water Levels
▼ During Drilling = 13.00 feet

Temp Well: GP-1

Depth in feet	USCS	GRAPHIC	DESCRIPTION	Samples	Total PID (ppm) 0 250 500	Total PID (ppm)	Sample Recovery (%)
0	AR		Concrete/Asphalt Fill				
1	GW		very dry, light brown/grey, trace clays, Gravel (GW)	1		42.8	40
2							
3				2		58.7*	40
4	CL		soft, slightly moist, brown, trace gravels, Silty Clay (CL)				
5				3		0.9	60
6							
7				4		1.2	60
8							
9	CL		stiff, slightly moist, dark brown, trace gravels, Silty Clay (CL)	5		0.0	95
10							
11				6		0.0	95
12							
13	CL		very soft, very moist, brown, Silty Clay (CL)	7		0.0	25
14	CL		stiff, slightly moist, brown, trace gravels, Silty Clay (CL)				
15				8		0.0	25
16			very hard, dry from 16.00 to 17.00 feet	9		0.0	100
17			Refusal at 17 Feet. End of Boring.				

PVC Pipe

Pre-pack Screen

LOG OF BORING GP-2

Citgo Bedford
2729 Mitchell Road
Bedford, Lawrence County, Indiana 47421
IDEM FID No. 4846
Incident No. 202311516

Date Completed	: 05/28/2024	Casing Size	: 1"
Drilling Method	: Direct Push	Initial Water Level	: ~5.50'
Sampling Method	: Continuous Dual Tube	Final Water Level	: N/A
Field/Office Logged	: GP/GP	Selected for Analysis	: *
Hole Diameter	: ~2.25"	Drilling Contractor	: Strata Env. Contractors

Water Levels
▼ During Drilling = 5.50 feet

Depth in feet	USCS	GRAPHIC	DESCRIPTION	Samples	Total PID (ppm) 0 250 500	Total PID (ppm)	Sample Recovery (%)
0	AR		Concrete/Asphalt Fill				
1	SP		slightly dense, very moist, light brown, fine to medium grained, crushed bricks, Sand (SP)	1		0.5	25
2							
3	GW		slightly moist, grey, small to large Gravel (GW)	2		0.8	25
	CL		stiff, slightly moist, brown, trace gravels, Silty Clay (CL)				
4	CL		hard, slightly moist, brick fragments, trace sand, Silty Clay (CL)	3		4.3*	100
5							
6	SP		dense, wet, grey, fine grained, Silty Sand (SP) trace Silty Clay (CL) from 7.00 to 8.00 feet	4		7220	100
7							
8				5		1136	100
9			Refusal at 9 Feet. End of Boring				

Temp Well: GP-2