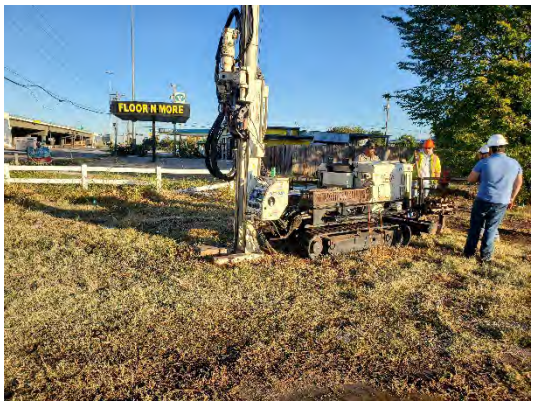
CONFIDENTIAL

PHASE II LIMITED ENVIRONMENTAL INVESTIGATION

November 9, 2022

3.239 Acres of Vacant Land
1802 North Stemmons Freeway
Lewisville, Denton County, Texas 75067



Prepared For:
Mr. Jeff Traylor
McMakin Road
Bartonville, Texas 76226

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Prepared By:

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KJE
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November 9, 2022

Mr. Jeff Traylor
McMakin Road
Bartonville, Texas 76226

RE: Phase II Limited Environmental Investigation – 3.239 Acres of Vacant Land, 1802 North Stemmons Freeway, Lewisville, Denton County, Texas 75067

Dear Mr. Traylor,

KJ Environmental Mgt., Inc. (KJE) is pleased to submit this Phase II Limited Environmental Investigation (LEI) report for 3.239 Acres of Vacant Land located at 1802 North Stemmons Freeway, Lewisville, Denton County, Texas. This report discusses background information, assessment purpose and scope of work, execution of work, and conclusions for the above referenced subject property.

We appreciate your selection of KJE for this project and look forward to assisting you further on other projects. If you have any questions, please do not hesitate to contact either of the undersigned at 940-387-0805. Thank you for the opportunity to provide professional environmental consulting services. It has been a pleasure working with you.

Best Regards,

Carra Curtice
Environmental Scientist

Travis Oaks, GIT
Director of Environmental Services

Kevin Ware, P.E., QEM, REP
Principal

Table of Contents

Executive Summary

KJ Environmental Mgt., Inc. (KJE), was retained by Mr. Jeff Traylor to complete a Phase II Limited Environmental Investigation (LEI) for the 3.239 Acres of Vacant Land facility located at 1802 North Stemmons Freeway, Lewisville, Denton County, Texas. The Phase II LEI was completed at the request of Mr. Jeff Traylor to evaluate the potential for impacts related the north adjacent historical gas station.

On October 26, 2022, under the supervision of KJE personnel, CoreCo Drilling (CoreCo) of Fort Worth, Texas, advanced 3 soil borings (SB-01 through SB-03) to depths ranging from 13 to 17 feet below ground surface (bgs). These soil boings were subsequently converted to temporary groundwater monitoring wells to assess for potential surface and subsurface impacts. Soil borings were advanced utilizing direct-push (i.e., Geoprobe®) techniques to total depth or tool refusal. Groundwater was encountered at 10 feet bgs in soil borings SB-01 and SB-02 and at 12 feet bgs in soil boring SB-03, respectively.

Based on soil analytical results, soil samples submitted and analyzed from soil boring SB-01 concentrations of volatile organic compounds (VOCs) above laboratory sample detection limits (SDLs); however, these concentrations were below their respective Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 Residential Soil Protective Concentration Level (PCL) or Texas Specific Background Concentrations (TSBC). TPH concentrations were below laboratory SDLs (non-detect) in all remaining soil samples submitted for laboratory analysis.

Based on groundwater analytical results, groundwater samples submitted and analyzed from temporary groundwater monitoring well SB-01 detected concentrations of TPH above laboratory SDLs; however, these concentrations were below their respective TRRP Tier 1 Groundwater PCLs. VOC concentrations were below laboratory SDLs (non-detect) in all groundwater samples submitted for laboratory analysis.

1.0 Introduction

This report presents the results of the Phase II LEI conducted by KJE for the 3.239 Acres of Vacant Land facility located at 1802 North Stemmons Freeway, Lewisville, Denton County, Texas. KJE's proposal, dated October 12, 2022, and scope of work were tailored to evaluate the potential for impacts related to the north adjacent historical gas station.

1.1 Purpose

KJE understands these activities were required based on the potential for impacts related to the north adjacent historical gas station. The purpose of this environmental assessment was to reduce uncertainty regarding the potential presence or degree of impacted soil and/or groundwater due to the aforementioned operations.

1.2 Client Objectives

The objectives of the proposed services were to reduce uncertainty regarding the potential presence or degree of hazardous substances in the subsurface.

2.0 Project Background

2.1 Site Description

The site is located at 1802 North Stemmons Freeway, Lewisville, Denton County, Texas. The site is currently 3.239 acres of vacant land. The land is currently owned by CMH SERV INC.

2.2 Summary of Prior Reports

Mr. Jeff Traylor provided KJE a former *Phase I Environmental Site Assessment, Clayton Homes, 1802 North Stemmons Freeway, Lewisville, Texas,* prepared for CMH Homes, Inc., and completed by Law Engineering and Environmental Services, Inc. (LAW), dated August 2000. The Phase I ESA was completed in accordance with ASTM Publication E1527-00 and the conclusions from the Phase I ESA include the following:

LAW stated no potential wetland areas were observed on the site or nearby properties at the time of the site visit. However, the abandoned Phillips 66 station adjacent to the north of the subject property does represent a recognized environmental condition. Therefore, recommending that a Phase II ESA entailing soil and groundwater sampling to be determined if impacts may have occurred on the subject property due to the Leaking Petroleum Storage Tank (LPST) from the adjacent Phillips 66 facility.

Furthermore, a summary of previous site assessments was included with the report:

- In December 1998, CES installed three (3) monitor wells, MW-1, MW-2, and MW-3, as part of a minimal site assessment. Soil samples were collected and analyzed with a result of Benzene concentrations exceeding TNRCC Action Levels in MW-1 (3.6'-4.2' and 5.5'-6.0').

- In October 1999, CES installed one (1) monitor well, MW-4, and one (1) soil boring, B-5 as part of a Plan A RBA. Soil and groundwater samples were collected and analyzed with a result of Benzene concentrations in soil boring B-5 (5.5'-6.0') exceeding TNRCC Plan A concentrations for a Cat. II Site. Benzene concentrations also exceeded TNRCC Plan A concentrations for a Cat. II Site in groundwater samples collected from MW-1, MW-3, and MW-4.

3.0 Physical Setting Sources

This Phase II LEI was designed to provide an understanding of the potential contaminants associated with the north adjacent historical gas station and to aid in understanding potential exposure hazards that may be present at the site. The following section is a description of the physical settings at the site.

3.1 Topography and Drainage

Based on a review of the United States Geological Survey (USGS) 7.5-minute quadrangle topographic map for Lewisville West, Texas, the site elevation is approximately 560 feet above mean sea level (MSL). The topography in the general vicinity of the site generally slopes to the west southwest towards North Stemmons Freeway.

3.2 Geologic Setting

Review of the referenced sources indicated the site is located on Woodbine Formation of Cretaceous age. The Woodbine Formation consist ferruginous argillaceous sands, in places unconsolidated, accompanied by laminated, usually sandy clays, in some places bituminous.

3.3 Groundwater

Review of referenced sources indicated that groundwater sources in the vicinity of the subject property included the Trinity Formation. The Trinity aquifer consists of early Cretaceous age formations of the Trinity Group where they occur in a band extending through the central part of the state in all or parts of 55 counties, from the Red River in North Texas to the Hill Country of South-Central Texas. Trinity Group deposits also occur in the Panhandle and Edwards Plateau regions where they are included as part of the Edwards-Trinity (High Plains and Plateau) aquifers. Formations comprising the Trinity Group are (from youngest to oldest) the Paluxy, Glen Rose, and Twin Mountains Travis Peak. Updip, where the Glen Rose thins or is missing, the Paluxy and Twin Mountains coalesce to form the Antlers Formation. The Antlers consists of up to 900 feet of

sand and gravel, with clay beds in the middle section. Water from the Antlers is mainly used for irrigation in the outcrop area of North and Central Texas. Forming the upper unit of the Trinity Group, the Paluxy Formation consists of up to 400 feet of predominantly fineto coarse-grained sand interbedded with clay and shale. The formation pinches out downdip and does not occur south of the Colorado River.

Groundwater flow direction is usually parallel to the topographic gradient, although surface improvements, such as streets and buildings, and subsurface features, such as utility lines, may alter the natural direction of groundwater flow. Shallow water levels will vary depending upon seasonal moisture fluctuations and local waterway levels.

4.0 Environmental Assessment Activities

The assessment scope of work for this project included:

- Prepare a written health and safety plan;
- Conduct public utility clearance;
- Advance 3 soil borings to a total depth of 17 feet bgs and convert all soil borings into temporary monitoring wells;
- Collect soil samples during soil boring installation and submit for laboratory analysis (contingent upon field screening using a photo-ionization detector and presence/absence of groundwater);
- Collect groundwater samples and submit for laboratory analysis;
- Document field activities; and,
- Provide KJE's finding and conclusions.

4.1 Utilities / Health and Safety Plan

Prior to the field activities reported herein, KJE prepared a project-specific Health and Safety Plan (HASP). The HASP specified standard work practices and precautions intended to prevent or minimize exposures to KJE's personnel and to the general public. In accordance with that plan, KJE exercised caution to prevent damage to or resulting from encountering subsurface structures, utilities, or other obstacles that were identified. KJE contacted local public utility providers through a standard state-required one-call system.

4.2 Subsurface Assessment Activities

Soil Borings and Sampling

On October 26, 2022, under the supervision of KJE personnel, CoreCo, of Fort Worth, Texas, advanced soil borings (SB-01 through SB-03) to depths ranging from 13 to 17 feet bgs. These soil boings were converted to temporary groundwater monitoring wells to assess for potential

surface and subsurface impacts. Soil borings were advanced utilizing direct-push (i.e., Geoprobe®) and hollow stem auger (HSA) techniques to total depth or tool refusal, whichever occurred first. Total depths ranged from 13 to 17 feet bgs and tool refusal was encountered at 13 feet bgs in soil boring SB-01, 15 feet bgs in soil boring SB-02, and 17 feet bgs in soil boring SB-03.

Soil samples were field screened utilizing a process that included visual observation for discoloration, documentation of evident odors and physical characteristics, and headspace screening for volatile organics using a photoionization detector (PID). Field headspace screening indicated volatile organic readings from 0.2 to 1.2 parts per million (ppm), as noted on the boring logs. Soil staining in the form of iron nodules was noted in various soil samples, typically in the zero (0) through five (5)-foot interval. Hydrocarbon odors were detected in SB-01 in all intervals.

Groundwater and Sampling

Upon completion of the soil borings and soil sampling activities, SB-01 through SB-03 were converted to one-inch temporary groundwater monitoring wells under the supervision of KJE personnel. The temporary wells were completed utilizing 0.010-inch machine-slotted PVC screen and PVC well riser to ground surface. The temporary monitoring wells were completed with 10 feet of screen and 3 feet of riser for SB-01, and 10 feet of screen and 5 feet of riser for SB-02, and 10 feet of screen and 7 feet of riser for SB-03. Additionally, groundwater was encountered at 8.5 feet bgs in soil boring SB-01, 10.9 feet bgs in SB-02, and 7.5 feet bgs in SB-03.

Following well completion, KJE allowed the temporary monitoring wells to remain undisturbed to promote groundwater infiltration prior to collecting a groundwater sample. In addition, KJE collected groundwater samples from the temporary wells utilizing a peristaltic pump with polyethylene tubing and transferred the groundwater samples directly to laboratory-prepared glassware that was submitted under chain-of-custody to Pace Analytical National Center for Testing and Innovation (a third-party, independent, and licensed environmental laboratory in Mount Juliet, Tennessee). KJE noted that due to the slow recharge of the wells, the temporary wells were not purged prior to sampling activities. Following groundwater sample collection, the temporary monitoring wells were decommissioned by removing the PVC well casing, backfilling the boring with bentonite chips and the ground surface was completed with topsoil or concrete.

4.3 Deviations from the Scope

Pursuant to KJE's proposal, dated October 22, 2022, KJE was unable to advance soil borings SB-01, SB-02, and SB-03 to a total depth of 30 feet bgs based on tool refusal or visual evidence of groundwater.

KJE advanced five (3) soil borings (SB-01, SB-02, and SB-03) to depths ranging from 13 to 17 feet bgs. Upon reaching tool refusal, 10 feet of 0.010-inch machine-slotted PVC screen and 3 to 7 feet of PVC riser to grade, were installed in the borehole.

5.0 Soil/Groundwater Sample Collection/Handling Procedures

Soil samples were collected based on field indicators, proximity to the boring terminus, or depth of potential impact as noted above. Select soil samples were field preserved via Method 5035 (TerraCore kits) for laboratory analysis. Based on the absence of field evidence indicative of potential impacts, KJE collected a total of 10 soil samples and 4 groundwater samples from soil borings SB-01 through SB-03 to identify potential subsurface and groundwater impacts.

Soil samples were placed in laboratory-supplied containers, labeled, placed in an insulated container with ice, providing a 4^{o}C environment for sufficient preservation, until delivery to Pace Analytical National Center for Testing and Innovation in Mount Juliet, Tennessee, accompanied by completed chain-of-custody. The sample collection and handling activities were conducted in accordance with USEPA Standard Operating Procedures and strict chain-of-custody protocols.

Soil and groundwater samples were submitted to the laboratory for analysis of VOCs via Method 8260B and TPH via Method TCEQ 1005. These analytical methods are the EPA, TCEQ, and industry-approved standards used to determine the potential for soil and groundwater contamination.

The sample results were compared to applicable TCEQ TRRP Tier 1 Residential Soil PCLs, TCEQ TRRP Tier 1 Residential Groundwater PCLs and the TSBC.

6.0 Summary of Analytical Results

Based on soil analytical results, soil samples submitted and analyzed from soil boring SB-01 0-5 indicated concentrations of VOCs above laboratory sample detection limits; however, these concentrations were below their respective TRRP Tier 1 Residential Soil PCLs or TSBC. TPH concentrations were below laboratory SDLs (non-detect) in all soil samples submitted for laboratory analysis.

Based on groundwater analytical results, groundwater sample submitted and analyzed from SB-01 indicated concentrations of TPHs above laboratory sample detection limits; however, these concentrations were below their respective TRRP Tier 1 Groundwater PCLs or TSBC. Copies of the laboratory analytical reports with chain-of-custody forms are included in Appendix E.

7.0 Photographs

Photo documentation of the drilling and sampling activities are included in Appendix C.

8.0 Conclusions

Based on groundwater analytical results, groundwater samples submitted and analyzed from temporary groundwater monitoring well SB-01 detected concentrations of TPH above laboratory SDLs; however, these concentrations were below their respective TRRP Tier 1 Groundwater PCLs. VOC concentrations were below laboratory SDLs (non-detect) in all groundwater samples submitted for laboratory analysis.

Based on groundwater analytical results, groundwater samples submitted and analyzed from soil boring SB-01 concentrations of multiple TPHs were above laboratory SDLs; however, these concentrations were below their respective TRRP Tier 1 Groundwater PCLs. VOC concentrations were below laboratory SDLs (non-detect) in all groundwater samples submitted for laboratory analysis.

Based on laboratory analytical results from the samples submitted, KJE does not recommend further soil or groundwater testing at the time of this report.

If we can be of further assistance, please do not hesitate to contact us at 940-387-0805. Thank you for the opportunity to provide professional environmental consulting services. It has been a pleasure working with you.

9.0 Qualifications of Environmental Professional

This is to certify the Phase II LEI completed for the 3.239 Acres of Vacant Land facility located at 1802 North Stemmons Freeway, Lewisville, Texas, was performed following EPA, RRC, TCEQ, and industry-approved standards/protocols. This work was conducted between October 26, 2022 for Mr. Jeff Traylor, and all field activities were completed under the supervision of Mr. Travis Oaks. Mr. Oaks' credentials are included in Appendix E.

10.0 Signature of Environmental Professional

November 9, 2022

Kevin Ware, PE, QEP, REM — Date
Principal

11.0 Limitations

This report has been prepared as part of a contract agreement between KJ Environmental Mgt., Inc. and Mr. Jeff Traylor. This agreement was established in order to provide the Client with information upon which it can rely concerning the existence or likely existence of various environmental contaminants on the property evaluated.

The report does not reflect:

1. Conditions in untested areas.
2. Variations in chemical concentrations that can occur between sample locations.
3. The total understanding of potential influences of off-site areas or historical uses that may have contributed or currently contribute to site contamination, particularly relating to groundwater and subsurface soil conditions. The limited evaluation of off-site contamination sources was based on available data and records.
4. The potential presence of compound sources was based on available data and records.
5. The potential presence of analytes that were not analyzed for or that may be present below minimum Practical Quantification Limits for the methods tested.
6. The conditions of groundwater and/or surface water beyond available data.
7. Variation in site conditions that occurred at the time other than that the site inspection was completed.

In the event that any conditions different from those described herein are encountered at a later

time, KJE requests an opportunity to review such differences and modify the assessment and conclusions of this report. This report was prepared expressly for the purpose described. The information in this report may not be suitable for any other use without adaptation for the specific purpose intended. Any such reuse of this report, without adaptation, shall be at the sole risk and liability of the party undertaking the reuse.

APPENDIX A

Figures

FIGURE:	Scale:			
1	NTS	SOIL BORING / TEMPORARY MONITORING WELL MAP 3.239 ACRES OF VACANT LAND 1802 NORTH STEMMONS FREEWAY LEWISVILLE, DENTON COUNTY, TEXAS 75067	500 Moseley Road Cross Roads, Texas 76227 Phone (940) 387-0805 www.KJE-us.com (TBPE # F-12214)	**THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR DEMOLITION PURPOSES. IT IS TO BE USED FOR INFORMATION PURPOSES ONLY.**
	Date: OCT 2022			N

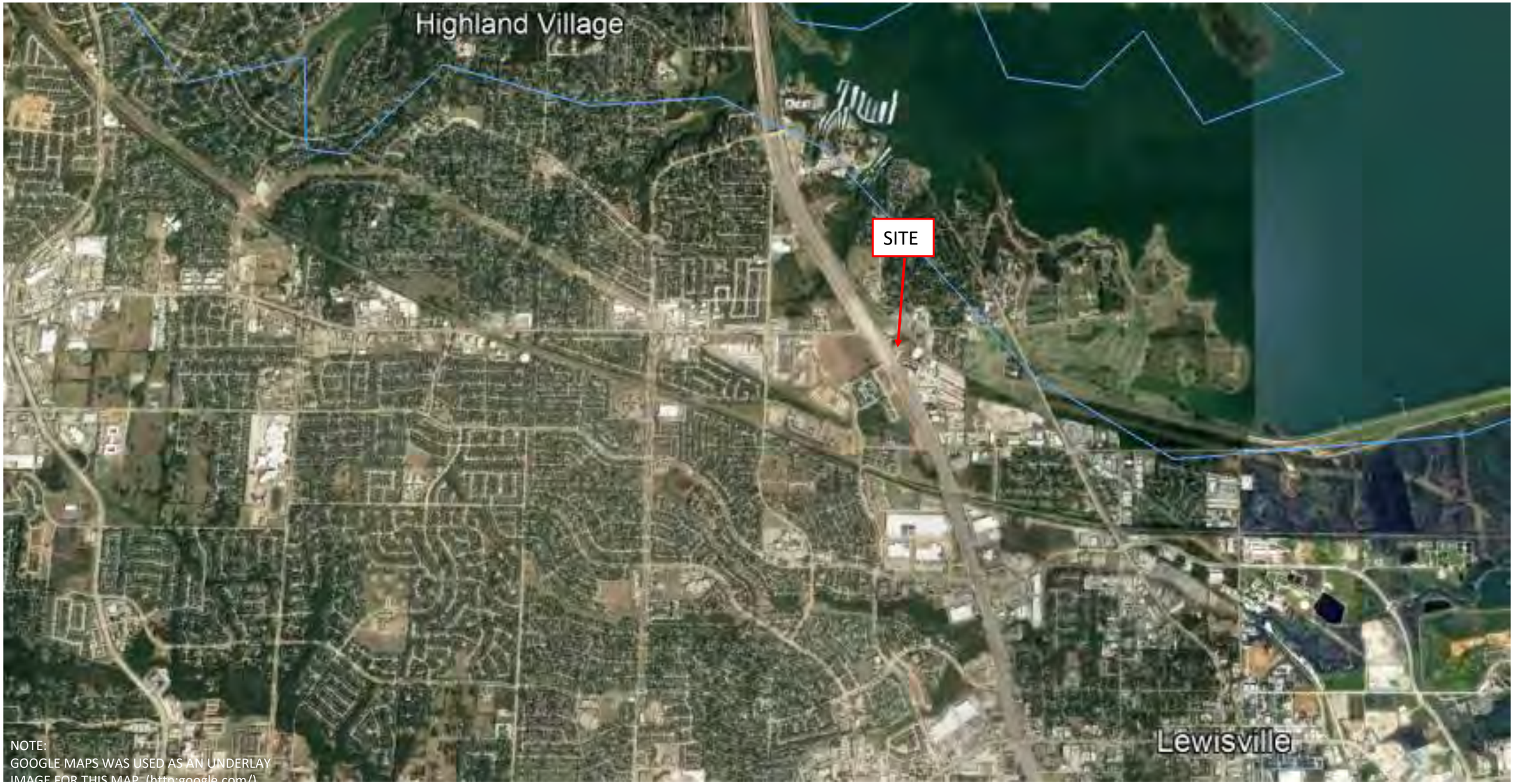

FIGURE:	Scale:	
2	NTS	GENERAL SITE LOCATION 3.239 ACRES OF VACANT LAND 1802 NORTH STEMMONS FREEWAY LEWISVILLE, DENTON COUNTY, TEXAS, 75067
	Date:	
	OCT 2022	

KJE
500 Moseley Road
Cross Roads, Texas 76227
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(TBPE # F-12214)

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR DEMOLITION PURPOSES. IT IS TO BE USED FOR INFORMATION PURPOSES ONLY.

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APPENDIX B

Analytical Data

Table 1: Soil Analytical Data
3.239 Acres of Vacant Land
1802 North Stemmons Freeway
Lewisville, Denton County, Texas

Laboratory Sample Designation		Units	TRRP Tier 1 Residential Soil PCLs $^{GW}Soil_{Ing}$	TRRP Tier 1 Commercial / Industrial Soil PCLs $^{GW}Soil_{Ing}$ [1]	L1551239-01	L1551239-02	L1551239-04	L1551239-05	L1551239-07	L1551239-09
Sample Designation					SB-01	SB-02	SB-03	SB-01	SB-02	SB-03
Date Collected					10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022
Sample Depth					0-5'	0-5'	0-5'	5-10'	5-10'	5-10'
Method	Analyte									
1005	TPH C6-C12	mg/kg	**65**	190	<16.7	<17.1	<16.1	<18.5	<17.4	<17.9
	TPH C12-C28	mg/kg	**200**	590	<16.7	<17.1	<16.1	<18.5	<17.4	<17.9
	TPH C28-35	mg/kg	**200**	590	<16.7	<17.1	<16.1	<18.5	<17.4	<17.10
	TPH C6-C35	mg/kg	**200**	590	<16.7	<17.1	<16.1	<18.5	<17.4	<17.11
8260B	BENZENE	mg/kg	**0.026**	0.026	**0.00160 J**	<0.000608	<0.000538	<0.000855	<0.000629	<0.000664
	TOLUENE	mg/kg	**8.2**	8.2	**0.00228 J**	<0.00169	<0.00150	<0.00238	<0.00175	<0.00185
	ETHYLBENZENE	mg/kg	**7.6**	7.6	<0.00120	<0.000959	<0.000849	<0.00135	<0.000993	<0.00105
	XYLENE	mg/kg	**120**	120	**0.00923 J**	<0.00115	<0.00101	<0.00162	<0.00119	<0.00125

Notes:

1) Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 Commercial / Industrial Protective Concentration Levels (PCLs) for soil protective of groundwater used for ingestion ($^{GW}Soil_{Ing}$) issued March 1, 2022

2) Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 Combined Commercial / Industrial Protective Concentration Levels (PCLs) for soil protective of groundwater used for ingestion / inhalation / dermal pathways ($^{GW}Soil_{Ing}$) issued March 1, 2022

5) TPH = Total petroleum hydrocarbons

6) BTEX = Benzene, toluene, ethylbenzene, and xylenes

7) Soil samples were collected for informational purposes and were collected utilizing Geoprobe, hollow-stem auger, acetate sleeves, and shelby tubes.

J - The identification of the analyte is acceptable; the reported value is an estimate.

Bold = Analyte was detected at concentrations above laboratory sample detection limits

Highlighted = Analyte was detected at concentrations above TRRP PCLs, TSBC, and/or RRC Closure Criteria

"--" = Not applicable

Table 2: Groundwater Analytical Data
3.239 Acres of Vacant Land
1802 North Stemmons Freeway
Lewisville, Denton County, Texas 75067

Laboratory Sample Designation		Units	TRRP Tier 1 Groundwater PCLs $^{GW}GW_{Ing}$ [1]	L1551240-01	L1551240-02	L1551240-04
Sample Designation				SB-01	SB-02	SB-03
Date Collected				10/26/2022	10/26/2022	10/26/2022
Method	Analyte					
1005	TPH C6-C12	mg/L	**0.98**	<0.600	<0.600	<0.600
	TPH C12-C28	mg/L	**0.98**	**0.763 J**	<0.600	<0.600
	TPH C28-35	mg/L	**0.98**	<0.600	<0.600	<0.600
	TPH C6-C35	mg/L	**0.98**	**0.763 J**	<0.600	<0.600
8260B	BENZENE	mg/L	**0.005**	<0.0000941	<0.0000941	<0.0000941
	ETHYLBENZENE	mg/L	**0.7**	<0.000137	<0.000137	<0.000137
	XYLENE	mg/L	**2.4**	<0.000174	<0.000174	<0.000174
	TOLUENE	mg/L	**1.0**	<0.000278	<0.000278	<0.000278

Notes:

1) Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 Residential & Commercial/Industrial protective concentration levels (PCLs) for ingestion of Class 1 or 2 groundwater (GWGWIng) issued March 1, 2022

3) TPH = Total petroleum hydrocarbons
mg/L = milligrams per killogram
B - The same analyte is found in the associated blank.
J - The identification of the analyte is acceptable; the reported value is an estimate.
Bold = Analyte was detected at concentrations above laboratory sample detection limits
Highlighted = Analyte was detected at concentrations above TCEQ TRRP PCLs Criteria
"--" = Not applicable

APPENDIX C

Photograph Exhibit

Photo #1: View of SB-01 installation activities.

Photo #2: View of SB-01 temporary monitoring well.

Photo #3: View of SB-02 soil borings.

Photo #4: View of SB-01 temporary monitoring well removal.

Photo #5: View of SB-02 installation activities.

Photo #6: View of SB-02 temporary monitoring well.

Mr. Jeff Traylor 3.239 Acres of Vacant Land 1802 North Stemmons Freeway Lewisville, Denton County, Texas 75067	Site Photographs	KJE

Photo #7: View of SB-02 temporary monitoring well removal.

Photo #8: View of SB-03 installation activities.

Photo #9: View of SB-03 temporary monitoring well.

Photo #10: View of SB-03 temporary monitoring well removal.

APPENDIX D

Boring Logs

RECORD OF SUBSURFACE EXPLORATION

KJ Environmental & Civil Engineering
500 Moseley Road • Cross Roads, TX 76227
940-387-0805 • FAX 940-387-0830

Client Name:	Mr. Jeff Traylor			**Well/Boring #:**	SB-01	**Date Drilled:**	10/26/22
Client Address:	650 McMakin Road, Bartonville, Texas 76226			**Depth of Boring:**	13’	**Diameter of Boring:**	2.25”
Project Name:	3.239 Acres of Vacant Land			**Depth of Well:**	8.5’	**Diameter of Screen:**	1”
Project Address:	1802 North Stemmons Freeway, Lewisville, Texas 75067			**Length of Screen:**	10’	**Diameter of Casing:**	1”
Driller:	CoreCo USA			**Length of Riser:**	3’	**Slot Size:**	0.010”
Drilling Method:	DP	**Sampling Method:**	Acetate Sleeve	**Logged By:**	CMC	**Well Material:**	PVC

Description / Remarks (Color, Grain Size, Texture, Structure, Consistency, Moisture)	Depth (feet)	Sample Collection Interval (feet)	PID (ppm)	Well Completion *(graphical representation only, not to scale)*
SOIL	-1-			
LOAMY CLAY, dark brown, no odor, dry.	-2-			
	-3-	SB-01 0-5		
	-4-		0.2	
CLAYEY SAND, reddish brown, pebbles, hydrocarbon odor, dry.	-5-			
	-6-			
	-7-	SB-01 5-10		
	-8-			
	-9-		0.5	
CLAYEY SAND, yellowish gray, hydrocarbon odor, moist.. ▽	-10-			
	-11-	SB-01 10-13		
▼	-12-		1.2	
TOOL REFUSAL at 13 feet bgs per driller.	-13-			
	-14-			
	-15-			
	-16-			
	-17-			
	-18-			
	-19-			
	-20-			
	-21-			
	-22-			
	-23-			
	-24-			
	-25-			

NOTES:

▽ **= Groundwater depth during drilling activities**

▼ **= Groundwater depth at well stabilization**

Boring logs should not be used separately from the original report.

RECORD OF SUBSURFACE EXPLORATION

KJ Environmental & Civil Engineering

500 Moseley Road • Cross Roads, TX 76227

940-387-0805 • FAX 940-387-0830

Client Name:	Mr. Jeff Traylor			**Well/Boring #:**	SB-02	**Date Drilled:**	10/26/22
Client Address:	650 McMakin Road, Bartonville, Texas 76226			**Depth of Boring:**	15’	**Diameter of Boring:**	2.25”
Project Name:	3.239 Acres of Vacant Land			**Depth of Well:**	13.6’	**Diameter of Screen:**	1”
Project Address:	1802 North Stemmons Freeway, Lewisville, Texas 75067			**Length of Screen:**	10’	**Diameter of Casing:**	1”
Driller:	CoreCo USA			**Length of Riser:**	5’	**Slot Size:**	0.010”
Drilling Method:	DP	**Sampling Method:**	Acetate Sleeve	**Logged By:**	CMC	**Well Material:**	PVC

Description / Remarks (Color, Grain Size, Texture, Structure, Consistency, Moisture)	Depth (feet)	Sample Collection Interval (feet)	PID (ppm)	Well Completion (graphical representation only, not to scale)
SOIL	-1-	SB-02 0-5		
LOAMY SAND CLAY AND CLAYEY SAND, iron nodules, no odor, dry.	-2-			
	-3-			
	-4-		0.4	
CLAYEY SAND, dark brown, pebbles, no odors, dry.	-5-	SB-02 5-10		
	-6-			
	-7-			
	-8-			
	-9-		0.5	
CLAY, light yellowish brown, no odor, moist. ▽	-10-	SB-02 10-15		
	-11-			
	-12-			
▼	-13-			
	-14-		0.5	
	-15-			
	-16-			
	-17-			
	-18-			
	-19-			
	-20-			
	-21-			
	-22-			
	-23-			
	-24-			
	-25-			
	-26-			
	-27-			
	-28-			
	-29-			
	-30-			

NOTES:

▽ = **Groundwater depth during drilling activities**

▼ = **Groundwater depth at well stabilization**

Boring logs should not be used separately from the original report.

RECORD OF SUBSURFACE EXPLORATION

KJ Environmental & Civil Engineering

500 Moseley Road • Cross Roads, TX 76227

940-387-0805 • FAX 940-387-0830

Client Name:	Mr. Jeff Traylor			**Well/Boring #:**	SB-03	**Date Drilled:**	10/26/22
Client Address:	650 McMakin Road			**Depth of Boring:**	17’	**Diameter of Boring:**	2.25”
Project Name:	3.239 Acres of Vacant Land			**Depth of Well:**	7.5’	**Diameter of Screen:**	1”
Project Address:	1802 North Stemmons Freeway, Lewisville, Texas 75067			**Length of Screen:**	10’	**Diameter of Casing:**	1”
Driller:	CoreCo USA			**Length of Riser:**	7’	**Slot Size:**	0.010”
Drilling Method:	DP	**Sampling Method:**	Acetate Sleeve	**Logged By:**	CMC	**Well Material:**	PVC

Description / Remarks (Color, Grain Size, Texture, Structure, Consistency, Moisture)	Depth (feet)	Sample Collection Interval (feet)	PID (ppm)	Well Completion (graphical representation only, not to scale)
SOIL	-1-	SB-03 0-5		
SANDY CLAY, reddish brown, iron nodules, light organics, pebbles, no odor, dry.	-2-			
	-3-			
	-4-		1.1	
SANDY CLAY, reddish brown, no odor, dry.	-5-	SB-03 5-10		
	-6-			
	-7-			
	-8-			
	-9-		1.0	
SANDY CLAY AND CLAY, reddish brown with light gray, no odor, moist.	-10-	SB-03 10-15		
	-11-			
▽	-12-			
	-13-			
	-14-		1.0	
CLAY, gray brown, no odor, moist.	-15-			
	-16-		0.3	
▼	-17-			
	-18-			
	-19-			
	-20-			
	-21-			
	-22-			
	-23-			
	-24-			
	-25-			
	-26-			
	-27-			
	-28-			
	-29-			
	-30-			

NOTES:

▽ **= Groundwater depth during drilling activities**

▼ **= Groundwater depth at well stabilization**

Boring logs should not be used separately from the original report.

APPENDIX E

Laboratory Analytical Reports

ANALYTICAL REPORT

November 03, 2022

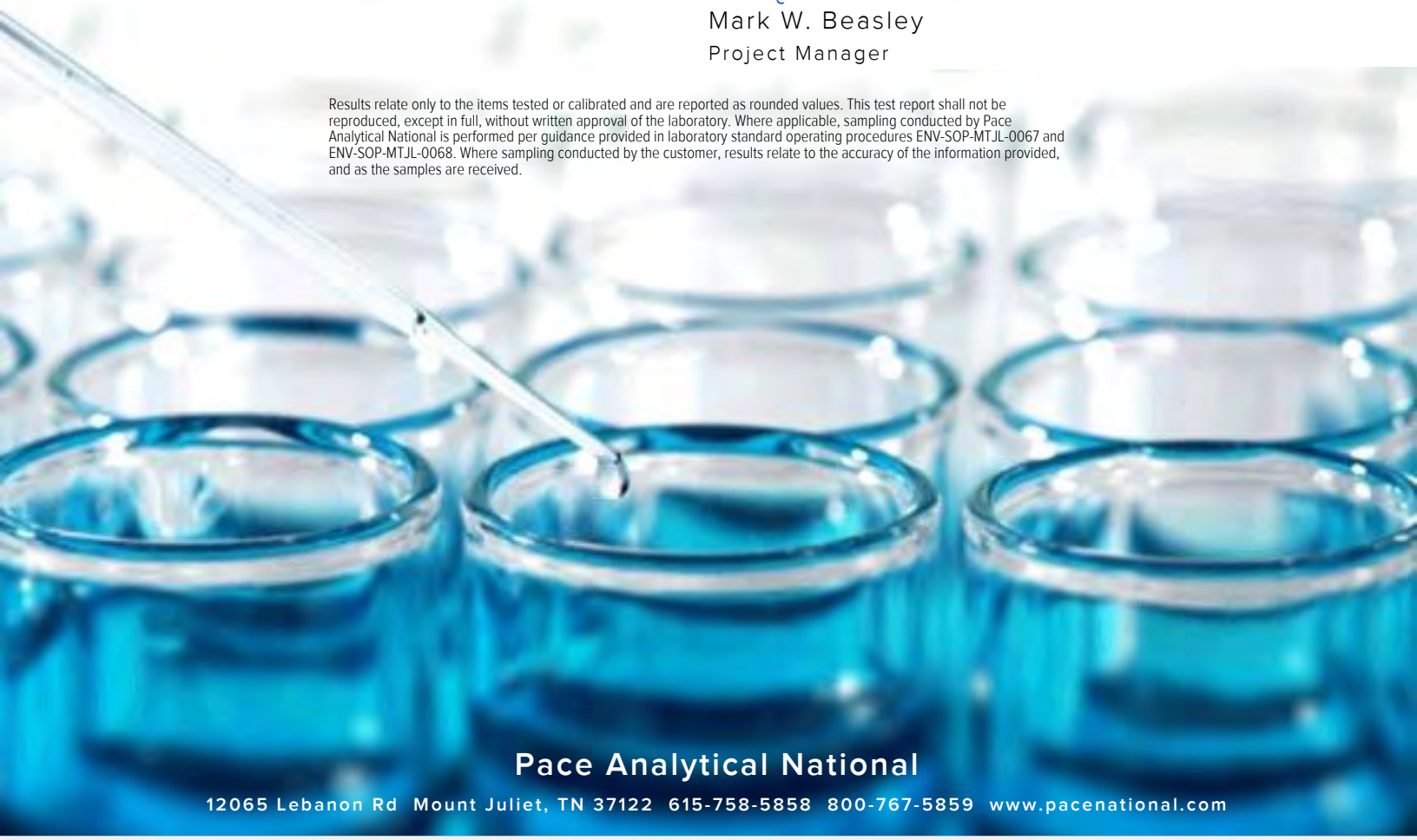
KJE Env. & Civil Eng. - Denton, TX

Sample Delivery Group:	L1551239
Samples Received:	10/27/2022
Project Number:	MJT101422D
Description:	1802 North Stemmons Fwy Lewisville, TX

Report To: Travis Oaks
500 Moseley Road
Cross Roads, TX 76227

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SB-01 0-5 L1551239-01 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 08:40	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951842	1.36	10/26/22 08:40	10/31/22 21:37	ACG	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 15:20	JDG	Mt. Juliet, TN

SB-02 0-5 L1551239-02 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 09:30	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951873	1	10/26/22 09:30	10/31/22 14:40	AV	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 15:20	JDG	Mt. Juliet, TN

SB-03 0-5 L1551239-04 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 10:15	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951873	1	10/26/22 10:15	10/31/22 14:59	AV	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 15:37	JDG	Mt. Juliet, TN

SB-01 5-10 L1551239-05 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 08:45	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951873	1.29	10/26/22 08:45	10/31/22 15:18	AV	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 14:46	JDG	Mt. Juliet, TN

SB-02 5-10 L1551239-07 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 09:33	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951873	1	10/26/22 09:33	10/31/22 15:38	AV	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 14:28	JDG	Mt. Juliet, TN

SB-03 5-10 L1551239-09 Solid

Collected by	Collected date/time	Received date/time
	10/26/22 10:20	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1951041	1	10/29/22 17:14	10/29/22 17:28	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1951873	1	10/26/22 10:20	10/31/22 15:57	AV	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1950342	1	10/28/22 08:48	10/28/22 15:54	JDG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 11/03/2022 16:54
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551239-01, 02, 04, 05, 07 and 09
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1950342, WG1951041, WG1951842 and WG1951873

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	X				
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 11/03/2022 16:54
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551239-01, 02, 04, 05, 07 and 09
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1950342, WG1951041, WG1951842 and WG1951873

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 11/03/2022 16:54
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551239-01, 02, 04, 05, 07 and 09
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1950342, WG1951041, WG1951842 and WG1951873

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.00160	J	0.000762	0.00100	0.00163	1.36	10/31/2022 21:37	WG1951842
Toluene	0.00228	J	0.00212	0.00500	0.00816	1.36	10/31/2022 21:37	WG1951842
Ethylbenzene	U		0.00120	0.00250	0.00408	1.36	10/31/2022 21:37	WG1951842
Total Xylenes	0.00923	J	0.00144	0.00650	0.0106	1.36	10/31/2022 21:37	WG1951842
(S) Toluene-d8	*103*				*75.0-131*		*10/31/2022 21:37*	WG1951842
(S) 4-Bromofluorobenzene	*83.3*				*67.0-138*		*10/31/2022 21:37*	WG1951842
(S) 1,2-Dichloroethane-d4	*92.6*				*70.0-130*		*10/31/2022 21:37*	WG1951842

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		16.7	50.0	55.8	1	10/28/2022 15:20	WG1950342
TPH C12 - C28	U		16.7	50.0	55.8	1	10/28/2022 15:20	WG1950342
TPH C28 - C35	U		16.7	50.0	55.8	1	10/28/2022 15:20	WG1950342
TPH C6 - C35	U		16.7	50.0	55.8	1	10/28/2022 15:20	WG1950342
(S) o-Terphenyl	*85.3*				*70.0-130*		*10/28/2022 15:20*	WG1950342
(S) 1-chlorooctane	*76.8*				*70.0-130*		*10/28/2022 15:20*	WG1950342

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000608	0.00100	0.00130	1	10/31/2022 14:40	WG1951873
Toluene	U		0.00169	0.00500	0.00651	1	10/31/2022 14:40	WG1951873
Ethylbenzene	U		0.000959	0.00250	0.00325	1	10/31/2022 14:40	WG1951873
Total Xylenes	U		0.00115	0.00650	0.00846	1	10/31/2022 14:40	WG1951873
(S) Toluene-d8	*98.9*				*75.0-131*		*10/31/2022 14:40*	WG1951873
(S) 4-Bromofluorobenzene	*115*				*67.0-138*		*10/31/2022 14:40*	WG1951873
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*10/31/2022 14:40*	WG1951873

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		17.1	50.0	57.0	1	10/28/2022 15:20	WG1950342
TPH C12 - C28	U		17.1	50.0	57.0	1	10/28/2022 15:20	WG1950342
TPH C28 - C35	U		17.1	50.0	57.0	1	10/28/2022 15:20	WG1950342
TPH C6 - C35	U		17.1	50.0	57.0	1	10/28/2022 15:20	WG1950342
(S) o-Terphenyl	*84.1*				*70.0-130*		*10/28/2022 15:20*	WG1950342
(S) 1-chlorooctane	*78.3*				*70.0-130*		*10/28/2022 15:20*	WG1950342

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000538	0.00100	0.00115	1	10/31/2022 14:59	WG1951873
Toluene	U		0.00150	0.00500	0.00576	1	10/31/2022 14:59	WG1951873
Ethylbenzene	U		0.000849	0.00250	0.00288	1	10/31/2022 14:59	WG1951873
Total Xylenes	U		0.00101	0.00650	0.00749	1	10/31/2022 14:59	WG1951873
(S) Toluene-d8	*95.8*				*75.0-131*		*10/31/2022 14:59*	WG1951873
(S) 4-Bromofluorobenzene	*112*				*67.0-138*		*10/31/2022 14:59*	WG1951873
(S) 1,2-Dichloroethane-d4	*99.9*				*70.0-130*		*10/31/2022 14:59*	WG1951873

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		16.1	50.0	53.6	1	10/28/2022 15:37	WG1950342
TPH C12 - C28	U		16.1	50.0	53.6	1	10/28/2022 15:37	WG1950342
TPH C28 - C35	U		16.1	50.0	53.6	1	10/28/2022 15:37	WG1950342
TPH C6 - C35	U		16.1	50.0	53.6	1	10/28/2022 15:37	WG1950342
(S) o-Terphenyl	*87.2*				*70.0-130*		*10/28/2022 15:37*	WG1950342
(S) 1-chlorooctane	*78.2*				*70.0-130*		*10/28/2022 15:37*	WG1950342

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000855	0.00100	0.00183	1.29	10/31/2022 15:18	WG1951873
Toluene	U		0.00238	0.00500	0.00916	1.29	10/31/2022 15:18	WG1951873
Ethylbenzene	U		0.00135	0.00250	0.00458	1.29	10/31/2022 15:18	WG1951873
Total Xylenes	U		0.00162	0.00650	0.0119	1.29	10/31/2022 15:18	WG1951873
(S) Toluene-d8	*98.3*				*75.0-131*		*10/31/2022 15:18*	WG1951873
(S) 4-Bromofluorobenzene	*119*				*67.0-138*		*10/31/2022 15:18*	WG1951873
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*10/31/2022 15:18*	WG1951873

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		18.5	50.0	61.8	1	10/28/2022 14:46	WG1950342
TPH C12 - C28	U		18.5	50.0	61.8	1	10/28/2022 14:46	WG1950342
TPH C28 - C35	U		18.5	50.0	61.8	1	10/28/2022 14:46	WG1950342
TPH C6 - C35	U		18.5	50.0	61.8	1	10/28/2022 14:46	WG1950342
(S) o-Terphenyl	*86.5*				*70.0-130*		*10/28/2022 14:46*	WG1950342
(S) 1-chlorooctane	*75.9*				*70.0-130*		*10/28/2022 14:46*	WG1950342

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000629	0.00100	0.00135	1	10/31/2022 15:38	WG1951873
Toluene	U		0.00175	0.00500	0.00674	1	10/31/2022 15:38	WG1951873
Ethylbenzene	U		0.000993	0.00250	0.00337	1	10/31/2022 15:38	WG1951873
Total Xylenes	U		0.00119	0.00650	0.00876	1	10/31/2022 15:38	WG1951873
(S) Toluene-d8	*101*				*75.0-131*		*10/31/2022 15:38*	WG1951873
(S) 4-Bromofluorobenzene	*117*				*67.0-138*		*10/31/2022 15:38*	WG1951873
(S) 1,2-Dichloroethane-d4	*91.9*				*70.0-130*		*10/31/2022 15:38*	WG1951873

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		17.4	50.0	58.1	1	10/28/2022 14:28	WG1950342
TPH C12 - C28	U		17.4	50.0	58.1	1	10/28/2022 14:28	WG1950342
TPH C28 - C35	U		17.4	50.0	58.1	1	10/28/2022 14:28	WG1950342
TPH C6 - C35	U		17.4	50.0	58.1	1	10/28/2022 14:28	WG1950342
(S) o-Terphenyl	*83.3*				*70.0-130*		*10/28/2022 14:28*	WG1950342
(S) 1-chlorooctane	*77.1*				*70.0-130*		*10/28/2022 14:28*	WG1950342

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	10/29/2022 17:28	WG1951041

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000664	0.00100	0.00142	1	10/31/2022 15:57	WG1951873
Toluene	U		0.00185	0.00500	0.00711	1	10/31/2022 15:57	WG1951873
Ethylbenzene	U		0.00105	0.00250	0.00356	1	10/31/2022 15:57	WG1951873
Total Xylenes	U		0.00125	0.00650	0.00924	1	10/31/2022 15:57	WG1951873
(S) Toluene-d8	*98.3*				*75.0-131*		*10/31/2022 15:57*	WG1951873
(S) 4-Bromofluorobenzene	*119*				*67.0-138*		*10/31/2022 15:57*	WG1951873
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*10/31/2022 15:57*	WG1951873

TPH by TCEQ Method 1005

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
TPH C6 - C12	U		17.9	50.0	59.7	1	10/28/2022 15:54	WG1950342
TPH C12 - C28	U		17.9	50.0	59.7	1	10/28/2022 15:54	WG1950342
TPH C28 - C35	U		17.9	50.0	59.7	1	10/28/2022 15:54	WG1950342
TPH C6 - C35	U		17.9	50.0	59.7	1	10/28/2022 15:54	WG1950342
(S) o-Terphenyl	*83.7*				*70.0-130*		*10/28/2022 15:54*	WG1950342
(S) 1-chlorooctane	*78.0*				*70.0-130*		*10/28/2022 15:54*	WG1950342

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3855084-1 10/29/22 17:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1551362-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1551362-01 10/29/22 17:28 • (DUP) R3855084-3 10/29/22 17:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	75.8	75.2	1	0.708		10

Laboratory Control Sample (LCS)

(LCS) R3855084-2 10/29/22 17:28

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3856051-2 10/31/22 13:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*84.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3856051-1 10/31/22 11:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.128	102	70.0-123	
Toluene	0.125	0.122	97.6	75.0-121	
Ethylbenzene	0.125	0.130	104	74.0-126	
Xylenes, Total	0.375	0.400	107	72.0-127	
(S) Toluene-d8			*93.0*	*75.0-131*	
(S) 4-Bromofluorobenzene			*88.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3856579-3 10/31/22 13:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*108*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3856579-1 10/31/22 11:25 • (LCSD) R3856579-2 10/31/22 13:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.129	0.116	103	92.8	70.0-123			10.6	20
Toluene	0.125	0.125	0.104	100	83.2	75.0-121			18.3	20
Ethylbenzene	0.125	0.121	0.104	96.8	83.2	74.0-126			15.1	20
Xylenes, Total	0.375	0.382	0.329	102	87.7	72.0-127			14.9	20
(S) Toluene-d8				*96.8*	*94.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*112*	*118*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.6*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3854443-1 10/28/22 13:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH C6 - C12	U		15.0	50.0
TPH C12 - C28	U		15.0	50.0
TPH C28 - C35	U		15.0	50.0
TPH C6 - C35	U		15.0	50.0
(S) o-Terphenyl	*88.4*			*70.0-130*
(S) 1-chlorooctane	*79.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3854443-2 10/28/22 13:37 • (LCSD) R3854443-3 10/28/22 13:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH C6 - C12	250	261	265	104	106	75.0-125			1.52	20
TPH C12 - C28	250	262	265	105	106	75.0-125			1.14	20
TPH C6 - C35	500	523	530	105	106	75.0-125			1.33	20
(S) o-Terphenyl				*88.0*	*91.2*	*70.0-130*				
(S) 1-chlorooctane				*92.0*	*94.4*	*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
KJE Env. & Civil Eng. - Denton, TX

500 Moseley Road
Cross Roads, TX 76227

Billing Information:
Accounts Payable
500 Moseley Road
Cross Roads, TX 76227

Pres Chk

Report to:
Travis Oaks

Email To: **toaks@KJE-us.com**

Project Description:
1802 North Stemmons Fwy Lewisville, TX

City/State Collected: Lewisville

Please Circle: PT MT (CT) ET

Phone: **940-208-0178**

Client Project #
MJT101422D

Lab Project #
KJENVDTX-MJT101422D

Collected by (print):
B. Arne

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed
11.3.22

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TPHTX 40mlTW/SyringeNoPres	TS 4ozClr-NoPres	V8260BTEX 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
SB-01 0-5	Grab	SS	5	10/26	0840	4	X	X	X		-01
SB-02 0-5		SS	5		0930						-02
SB-02 DUP 5-10		SS	10		0930						-03
SB-03 0-5		SS	5		1015						-04
SB-01 5-10		SS	10		0845						-05
SB-01 10-13		SS	13		0850						-06
SB-02 5-10		SS	10		0933						-07
SB-02 10-15		SS	15		0935						-08
SB-03 5-10		SS	10		1020						-09
SB-03 10-15		SS	15		1022						-10

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 155239
B228

Acctnum: **KJENVDTX**
Template: **T218630**
Prelogin: **P958582**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
Hold dup, SB-01 10-13, SB-02 10-15, SB-03 10-15

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6053 3810 3150

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
	10-26-22	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				MM#2 1.5 40	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / (OK)
			Caleb Tapp	10/27/22 09:00	

ANALYTICAL REPORT

November 06, 2022

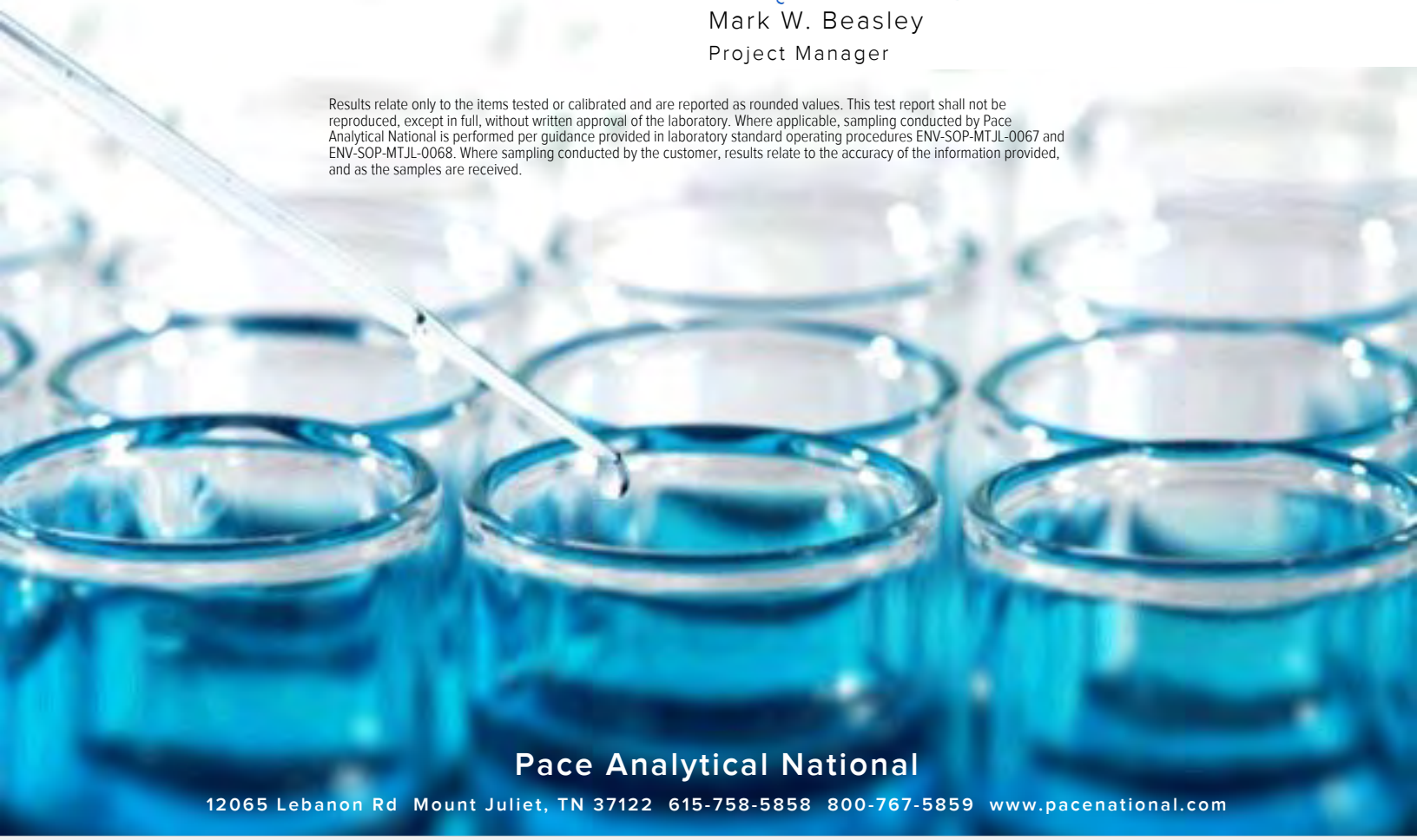
KJE Env. & Civil Eng. - Denton, TX

Sample Delivery Group:	L1551240
Samples Received:	10/27/2022
Project Number:	MJT101422D
Description:	1802 North Stemmons Fwy Lewisville, TX

Report To: Travis Oaks
500 Moseley Road
Cross Roads, TX 76227

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SB-01 L1551240-01 GW

Collected by	Collected date/time	Received date/time
	10/26/22 11:05	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1952711	1	11/02/22 11:24	11/02/22 11:24	ACG	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1951581	1	10/31/22 10:10	10/31/22 19:08	NH	Mt. Juliet, TN

SB-02 L1551240-02 GW

Collected by	Collected date/time	Received date/time
	10/26/22 11:30	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1952711	1	11/02/22 11:46	11/02/22 11:46	ACG	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1951581	1	10/31/22 10:10	10/31/22 19:28	NH	Mt. Juliet, TN

SB-03 L1551240-04 GW

Collected by	Collected date/time	Received date/time
	10/26/22 11:40	10/27/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1952711	1	11/02/22 12:08	11/02/22 12:08	ACG	Mt. Juliet, TN
TPH by TCEQ Method 1005	WG1951581	1	10/31/22 10:10	10/31/22 14:55	NH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 11/06/2022 22:16
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551240-01, 02 and 04
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1951581 and WG1952711

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 11/06/2022 22:16
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551240-01, 02 and 04
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1951581 and WG1952711

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 11/06/2022 22:16
Project Name: 1802 North Stemmons Fwy Lewisville, TX	Laboratory Job Number: L1551240-01, 02 and 04
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1951581 and WG1952711

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	0.00100	1	11/02/2022 11:24	WG1952711
Toluene	U		0.000278	0.00100	0.00100	1	11/02/2022 11:24	WG1952711
Ethylbenzene	U		0.000137	0.00100	0.00100	1	11/02/2022 11:24	WG1952711
Total Xylenes	U		0.000174	0.00300	0.00300	1	11/02/2022 11:24	WG1952711
(S) Toluene-d8	*104*				*80.0-120*		*11/02/2022 11:24*	WG1952711
(S) 4-Bromofluorobenzene	*103*				*77.0-126*		*11/02/2022 11:24*	WG1952711
(S) 1,2-Dichloroethane-d4	*92.4*				*70.0-130*		*11/02/2022 11:24*	WG1952711

TPH by TCEQ Method 1005

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
TPH C6 - C12	U		0.600	0.900	0.900	1	10/31/2022 19:08	WG1951581
TPH C12 - C28	0.763	J	0.600	0.900	0.900	1	10/31/2022 19:08	WG1951581
TPH C28 - C35	U		0.600	0.900	0.900	1	10/31/2022 19:08	WG1951581
TPH C6 - C35	0.763	J	0.600	0.900	0.900	1	10/31/2022 19:08	WG1951581
(S) o-Terphenyl	*119*				*70.0-130*		*10/31/2022 19:08*	WG1951581
(S) 1-chlorooctane	*100*				*70.0-130*		*10/31/2022 19:08*	WG1951581

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	11/02/2022 11:46	WG1952711
Toluene	U		0.000278	0.00100	0.00100	1	11/02/2022 11:46	WG1952711
Ethylbenzene	U		0.000137	0.00100	0.00100	1	11/02/2022 11:46	WG1952711
Total Xylenes	U		0.000174	0.00300	0.00300	1	11/02/2022 11:46	WG1952711
(S) Toluene-d8	*102*				*80.0-120*		*11/02/2022 11:46*	WG1952711
(S) 4-Bromofluorobenzene	*98.4*				*77.0-126*		*11/02/2022 11:46*	WG1952711
(S) 1,2-Dichloroethane-d4	*93.9*				*70.0-130*		*11/02/2022 11:46*	WG1952711

TPH by TCEQ Method 1005

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH C6 - C12	U		0.600	0.900	0.900	1	10/31/2022 19:28	WG1951581
TPH C12 - C28	U		0.600	0.900	0.900	1	10/31/2022 19:28	WG1951581
TPH C28 - C35	U		0.600	0.900	0.900	1	10/31/2022 19:28	WG1951581
TPH C6 - C35	U		0.600	0.900	0.900	1	10/31/2022 19:28	WG1951581
(S) o-Terphenyl	*119*				*70.0-130*		*10/31/2022 19:28*	WG1951581
(S) 1-chlorooctane	*99.4*				*70.0-130*		*10/31/2022 19:28*	WG1951581

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	0.00100	1	11/02/2022 12:08	WG1952711
Toluene	U		0.000278	0.00100	0.00100	1	11/02/2022 12:08	WG1952711
Ethylbenzene	U		0.000137	0.00100	0.00100	1	11/02/2022 12:08	WG1952711
Total Xylenes	U		0.000174	0.00300	0.00300	1	11/02/2022 12:08	WG1952711
(S) Toluene-d8	*102*				*80.0-120*		*11/02/2022 12:08*	WG1952711
(S) 4-Bromofluorobenzene	*97.7*				*77.0-126*		*11/02/2022 12:08*	WG1952711
(S) 1,2-Dichloroethane-d4	*96.3*				*70.0-130*		*11/02/2022 12:08*	WG1952711

TPH by TCEQ Method 1005

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
TPH C6 - C12	U		0.600	0.900	0.900	1	10/31/2022 14:55	WG1951581
TPH C12 - C28	U		0.600	0.900	0.900	1	10/31/2022 14:55	WG1951581
TPH C28 - C35	U		0.600	0.900	0.900	1	10/31/2022 14:55	WG1951581
TPH C6 - C35	U		0.600	0.900	0.900	1	10/31/2022 14:55	WG1951581
(S) o-Terphenyl	*108*				*70.0-130*		*10/31/2022 14:55*	WG1951581
(S) 1-chlorooctane	*90.7*				*70.0-130*		*10/31/2022 14:55*	WG1951581

Method Blank (MB)

(MB) R3857516-3 11/02/22 06:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3857516-1 11/02/22 05:01 • (LCSD) R3857516-2 11/02/22 05:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00493	0.00529	98.6	106	70.0-123			7.05	20
Toluene	0.00500	0.00471	0.00522	94.2	104	79.0-120			10.3	20
Ethylbenzene	0.00500	0.00518	0.00589	104	118	79.0-123			12.8	20
Xylenes, Total	0.0150	0.0165	0.0183	110	122	79.0-123			10.3	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.0*	*94.6*	*70.0-130*				

QUALITY CONTROL SUMMARY

L1551240-01,02,04

Method Blank (MB)

(MB) R3855431-1 10/31/22 14:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH C6 - C12	U		0.600	0.900
TPH C12 - C28	U		0.600	0.900
TPH C28 - C35	U		0.600	0.900
TPH C6 - C35	U		0.600	0.900
(S) o-Terphenyl	*115*			*70.0-130*
(S) 1-chlorooctane	*95.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3855431-2 10/31/22 15:15 • (LCSD) R3855431-3 10/31/22 15:34

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH C6 - C12	41.7	47.0	39.7	113	95.2	75.0-125			16.8	20
TPH C12 - C28	41.7	48.7	41.3	117	99.0	75.0-125			16.4	20
TPH C6 - C35	83.4	95.7	81.0	115	97.1	75.0-125			16.6	20
(S) o-Terphenyl				*109*	*96.0*	*70.0-130*				
(S) 1-chlorooctane				*105*	*91.7*	*70.0-130*				

L1550946-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1550946-01 10/31/22 15:54 • (MS) R3855431-4 10/31/22 16:14 • (MSD) R3855431-5 10/31/22 16:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH C6 - C12	40.6	U	45.0	46.1	111	114	1	75.0-125			2.41	20
TPH C12 - C28	40.6	U	47.2	48.6	116	120	1	75.0-125			2.92	20
TPH C6 - C35	81.1	U	92.2	94.7	114	117	1	75.0-125			2.68	20
(S) o-Terphenyl					*105*	*108*		*70.0-130*				
(S) 1-chlorooctane					*105*	*107*		*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
KJE Env. & Civil Eng. - Denton, TX

500 Moseley Road
Cross Roads, TX 76227

Billing Information:
Accounts Payable
500 Moseley Road
Cross Roads, TX 76227

Pres Chk

Report to:
Travis Oaks

Email To: **toaks@KJE-us.com**

Project Description:
1802 North Stemmons Fwy Lewisville, TX

City/State Collected: Lewisville, TX

Please Circle: PT MT CT ET

Phone: **940-208-0178**

Client Project #
MJT101422D

Lab Project #
KJENVDTX-MJT101422D

Collected by (print):
C. Curtice

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed
11.3.22

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TPHTX 40mlAmbHCl-BT-trwted	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
SB-01	Grab	GW	13.2	10.26.22	1105	5	X	X									-01
SB-02	↓	GW	13.6	↓	1130	↓	↓	↓									-02
SB-01 DUP		GW	13.2		1105												-03
SB-03	↓	GW	17.0	↓	1140	↓	↓	↓									-04

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 155140
G181

Acctnum: **KJENVDTX**
Template: **T218631**
Prelogin: **P958583**
PM: **134 - Mark W. Beasley**
PB:
Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: HOLD DUP Sample

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6053 3810 3149

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	10.26.22	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: MMP °C Bottles Received: 3.3-0.3=3.3 20	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/17/22 Time: 0900	Hold: / Condition: NCF / OK

APPENDIX F

Environmental Professional's Credentials

Curriculum Vitae

Kevin J. Ware
PE
500 Moseley Road
Crossroads, TX
76227
O 940-387-0805
C 469-487-6083

Education	**M.S., Environmental Engineering (2003)** Oklahoma State University, Stillwater, Oklahoma **B.S., Environmental Science (1999)** College of Civil Engineering University of Oklahoma, Norman, Oklahoma
Current Position	**Principal** KJE, Inc.
Experience	**KJE, Inc. (2005-Present)** **Principal** Denton, Texas • Managing team of licensed engineers involved in design and permitting of Texas RRC pit permits, SWD injection permits, waste separation permits, land treatment permits, disposal cell permits, and drilling permits • Managing due diligence work for oil/gas field acquisitions • Managing/reviewing engineering design of SWD surface facilities • Reviewing and managing air permitting activities related to oil/gas field activities (production, completion, SWD, midstream, refining) • Completing civil engineering design of oil/gas pad sites, TXDOT driveway applications, and facility design • Performing environmental/compliance audits for numerous industrial, oil/gas, and commercial clients • Managing remediation sites (lead contamination, groundwater contamination, etc…) • Expert Witness Testimony – Environmental Management and Remediation Expert • Wetlands Determinations and Floodplain Delineation/Hydraulic Studies

GaiaTech, Inc. (2005)
Irving, Texas
Senior Environmental Consultant

- Performed environmental compliance, safety and engineering audits for various large scale industrial/commercial clients (air, water, hazardous waste, safety, etc.).
- Completed Due Diligence Reports (Phase I, Phase II, etc…) for large industrial sites
- Designed waste minimization systems (wastewater recycling project)

Isbell Engineering Group, Inc. (2003-2005)
Sanger, Texas
Environmental Engineering Manager

- Completed environmental compliance and safety audits for industrial clients
- Reviewed engineering designs for subdivisions.
- Reviewed oil/gas drilling permit application for cities
- Completed engineering design on commercial developments
- Performed Phase I Site Assessments
- Directed environmental investigations for waste dump sites.
- Assisted in the review of City Engineering plans for small municipalities

Science Applications International (SAIC) (2003)
Midwest City, Oklahoma
Environmental Engineer

- Created a Site Health & Safety Plan for Air Force Groundwater Remediation Project
- Field safety manager for groundwater monitoring project

Marshall Environmental Management, Inc.(1999-2003)
Oklahoma City, Oklahoma
Environ. Specialist/Industrial Hygienist

- Completed Phase I Site Assessment reports for various types of development
- Managed remediation projects for oil refinery site
- Managed remediation project for abandoned tire manufacturing plant
- Managed remediation of oil/gas site cleanup
- Performed Asbestos Surveys and Air Monitoring of Abatement Projects

Certifications & Licenses	Licensed Professional Engineer (TX) License #136599 Qualified Environmental Professional (QEP) (Accredited through the Institute of Professional Environmental Practice) Registered Environmental Manager (National Registry of Environmental Professionals)
Additional Experience	Recognized and Admitted as Expert Witness in Texas RRC Environmental Permitting Hearings (Oil and Gas Docket No. 02-0300234)
	Instructor - Certified Environmental Auditor Classes National Registry of Environmental Professionals License
	RRC Environmental Task Force Member (Advisory Committee to RRC Commissioners on Recommended Environmental Rule Changes / Updates)