Report Version 6

Hazardous Materials Initial Site Assessment (ISA)

December 04, 2020

District: Fort Worth

0902-90-117, 0902-90-61 Glade Road

The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 9, 2019, and executed by FHWA and TxDOT.

Hazardous Materials Initial Site Assessment (ISA) Report

This ISA complies with the Federal Highway Administration's (FHWA's) policy dealing with hazardous materials discussed in FHWA's *Supplemental Hazardous Waste Guidance* (January 16, 1997) located at http://www.environment.fhwa.dot.gov/guidebook/vol1/doc7b.pdf.

FHWA's policy emphasizes three objectives: 1) identify and assess potentially contaminated sites early in project development, 2) coordinate early with federal/ state/ local agencies to assess the contamination and the cleanup needed; and 3) determine and implement measures early to avoid or minimize involvement with substantially contaminated properties.

In addition, completing the ISA will aid in identifying hazardous material issues early, avoiding construction delays, and reducing the department's liability associated with the purchase of contaminated right of way.

Maintain a copy of the completed ISA report with all applicable attachments in the project file.

For additional information, refer to TxDOT's online manual: *Hazardous Materials in Project Development:* http://onlinemanuals.txdot.gov/txdotmanuals/haz/index.htm and the Hazardous Materials Toolkit Site: http://www.txdot.gov/inside-txdot/division/environmental/compliance-toolkits/haz-mat.html

Abbreviations and Acronyms

CALF	Closed and Abandoned Landfill
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
EA	Environmental Assessment
EIS	Environmental Impact Statement
ECOS	Environmental Compliance Oversight System
ERNS	Emergency Response Notification System
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
HAZMAT	Hazardous Materials
MS4	Municipal Separate Storm Sewer System
MSWLF	Municipal Solid Waste Landfill
NPL	National Priorities List
RCRA	Resource Conservation and Recovery Act
ROW	Right of Way
SEMS	Superfund Enterprise Management System
TCEQ	Texas Commission on Environmental Quality
TRRC	Texas Railroad Commission
US	United States
USGS	United States Geological Survey
VCP	Voluntary Cleanup Program

TxDOT Hazardous Materials Initial Site Assessment (ISA) Report

Project Information			
CSJ No:0902-90-117, 0902-90-061	City:Grapevine	Zip Code:75261	County:Tarrant
HWY:Glade Road	Limits:From Northbound SH 360 Frontage Road to West Airfield Drive		

Section 1: Identify Previously Completed Environmental Site Assessments, Known Hazmat Conditions, Preliminary Project Design, and Right-of-Way Requirements	
Note: Obtain information/comments from design, right-of-way, and/or environmental staff. Attach maps and/or details as appropriate.	
☐ Yes ☒ No ☐ Unknown	Are there any previous environmental assessments, testing, or studies performed within the proposed project area related to contamination issues (to include Phase I ESAs)? If yes, explain here if there are any concerns to the proposed project:
☒Yes ☐ No	Have the project schematics and/or plan-profile sheets (if available) been reviewed?* Look for substantial excavations (including utilities and storm sewer designs), new ROW and easements, and bridge demolitions or renovations.

* For consultants: this information shall be supplied by TxDOT.

Section 2: Demolition and Renovation Information Related to Asbestos and Lead-Containing-Paint	
☒Yes ☐No	Are there proposed bridges or building demolitions or renovations for this project?
Note: If "Yes" is selected, buildings or structures being acquired through the acquisition process are assessed and mitigated for asbestos, as needed, within the ROW process according to the TxDOT ROW Manual ROW Vol. 6 Miscellaneous -Chapter 1 Section 5. Bridge structures being demolished or renovated are assessed and mitigated for asbestos and lead-containing-paint, as needed, within the construction process according to Standard Specification Item 6.10 (and applicable Provisions), and the TxDOT guidance document: Guidance for Handling Asbestos in Construction Projects, dated January 26, 2007.	

Section 3: Project Screening	
Note: Section 3.1 is only applicable for Categorically Excluded (CE) projects. If you are uncertain of the project type, select "No" and continue to Section 3.2. **Section 3.1** Determine if the proposed project has a low potential to encounter contamination. Refer to the preliminary schematics for project limits and internet-based maps for surrounding land use.	
☐ Yes ☒ No or an EA or EIS Project	Are the limits of the proposed project within a historically undeveloped area and outside the boundaries of a designated MS4 permitted area? Historically undeveloped areas are locations where no commercial buildings are located within one-half (0.5) miles of the proposed project limits and the surrounding land use is historically agricultural, forest, or ranch lands.
If "Yes" is selected, the ISA is complete. The proposed project has a low potential to encounter contamination. Complete Sections 9 and 10 of this ISA and maintain a copy and all applicable attachments in the project file. If "No" is selected, proceed to Section 3.2 of this ISA.	
Section 3.2 **Note:** Determine if the project includes any of the activities listed below:	
☒ Yes ☐ No	**Project Excavations:** Will the work consist of substantial excavation operations. Substantial excavation includes, but is not necessarily limited to: • Underpass construction, • Storm sewer installations, and • Trenching or tunneling that would require temporary or permanent shoring.

☐ Yes ☒ No	**Dewatering of Groundwater:** Are there proposed de-watering operations. If yes, what is the estimated depth to groundwater?
☐ Yes ☒ No	**Encroachments:** Are there known or potential encroachments into the project area? Encroachments include soil and groundwater contamination, dump sites, tanks, and other issues in the ROW.
☒ Yes ☐ No	**ROW and Easements:** Are there any acquisitions of new ROW, easements, temporary construction easements planned for the project?

3.3 Complete the appropriate box below:

☒ If Section 3.2 contains any "Yes" answers, please proceed to Section 4.

☐ If Section 3.2 contains all "No" answers, proceed to Section 6, Site Survey. Please perform a site survey documenting the results in Section 6 and then mark the appropriate box below. If a Phase I ESA has been prepared for this project, you may use the applicable site survey information from the Phase I ESA.

☐ The site survey did not identify evidence of any environmental concerns listed in Section 6. The ISA is complete. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.

☐ The site survey identified evidence of environmental concerns listed in Section 6. Continue with Section 4.

Section 4: Current and Past Land Use Information

Note: Review and assess current and past land use (up to 50 years) in the project area. Document and attach sources that were reviewed. If one or more Phase I ESAs were prepared for this project, please use applicable information from the Phase I ESAs to help complete this section of the ISA.

☒ Yes
☐ No
☐ Not Available
☐ Not Applicable

4.1 Review Current and Past USGS 7.5 Minute Topographic Maps of the project area: Look for oil & gas pipelines, tanks, landfills, or other industrial features.

Describe any concerns:None

List Topo Maps Reviewed:	Dates:	Comments:
Quad: Grapevine, TX	1931, 1959, 1968, 1973, 1981, 2016	Generally undeveloped, sparsely populated, rural area until the construction of Dallas Regional Airport (currently DFW airport) in 1973 Quad. A barrow pit located near/south of the project area appears in the 1973 Quad. After 1973 the area increases residential development and development overall.

☒ Yes
☐ No
☐ Not Available
☐ Not Applicable

4.2 Review Current and Past Aerial Photographs of the project area: Look for oil & gas pipelines, tanks, landfills, or other industrial features.

Describe any concerns:None

List All Aerial Photos Reviewed:	Photo Dates:	Comments:

	Agriculture and Soil Conservation Service Army Mapping Service US Geological Service TXDOT National High Altitude Photography National Agriculture Information Program	1942 1953 1968, 1995 1976, 1984 1981 2004, 2005, 2006, 2010, 2012, 2014, 2015, 2016, 2018	Generally undeveloped, sparsely populated, rural area until the 1984 historic aerial photo. DFW airport was constructed and more residential development occurred thereafter. Historic topographic maps are consistent with the observations made on the historic aerial photos.

☐Yes ☐ No ☒ Not Available ☐ Not Applicable	**4.3 Review Current and Past Right-of-Way Maps/Files*:** Look for oil & gas pipelines, tanks, landfills, or other industrial features. Describe any concerns:	
	List Maps/ Files & Dates Reviewed:	Comments:
☐Yes ☐ No ☒ Not Available ☐ Not Applicable	**4.4 Review Sanborn Fire Insurance Maps/Files:** Look for tanks, oil & gas pipelines, landfills, or other industrial features. Describe any concerns:	
	List Maps/ Files & Dates Reviewed:	Comments:
☐Yes ☐ No ☒ Not Available ☐ Not Applicable	**4.5 Review TxDOT As-Built Plans*:** Were any concerns identified during previous work within the project limits? If yes, explain: If known, what is the previous Project CSJ:	
☐Yes ☐ No ☒ Not Available ☐ Not Applicable	**4.6 Review TxDOT Geotechnical Soil Boring Logs*:** Were any concerns noted on the boring logs such as unusual odors, visible contamination, trash, waste or debris? If yes, explain:	
☐Yes ☐ No ☒ Not Available	**4.7 Review TxDOT Temporary Use ROW Agreements (permits issued by the district to entities to occupy a portion of the ROW)*:** Were any concerns such as monitor wells or treatment systems identified within the ROW? For consultants: this information shall be supplied by TxDOT. If yes, explain:	
☐Yes ☐ No ☒ Not Available	**4.8 Review Notifications of Contamination to TxDOT*** (These are typically letters from TCEQ or third parties explaining the presence of contamination on TxDOT ROW): Were any concerns regarding contamination of ROW from off-site sources? If yes, explain:	

* For consultants: this information shall be supplied by TxDOT. If no information is supplied by TxDOT, then select Not Available.

Section 5: Complete a Regulatory Records Review (Database Search)

Note: Use the comment field in Section 5.1 to provide a synopsis of the total number of sites identified within the search distances of the regulatory record reviewed. No comments are required when no sites were identified or the regulatory record was not reviewed.

Select the appropriate box below:

☒ A Database search was conducted through a contracted service. Indicate in Section 5.1, and if applicable, Section 5.2, the regulatory records searched. Maintain a complete copy of the database search findings (contractor's report deliverable) in the project file with the ISA.

☐ A Database search was conducted in-house. For in-house database searches, not all databases need to be reviewed, but at a minimum the databases listed in Section 5.1 marked in **bold with a star(*)** must be reviewed. Include database records that list potential issues in the project file with the ISA. It is not necessary to include records of negative findings.

Section 5.1 Standard Database Sources of Environmental Information from Government Agency Records

Findings	Regulatory Record
☐**Sites Identified** ☒**No Sites Identified**	**Federal Active NPL or Not NPL list (CERCLIS or SEMS sites)*** **https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm; and/or https://www.epa.gov/cleanups/cleanups-my-community** (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐**Sites Identified** ☒**No Sites Identified**	**Federal Archived NPL or Not NPL list (CERCLIS or SEMS sites)*** **https://cumulis.epa.gov/supercpad/CurSites/srchsites.cfm** (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐Sites Identified ☒No Sites Identified ☐Not Reviewed	US EPA Brownfield Properties **https://www.epa.gov/cleanups/cleanups-my-community** (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐Sites Identified ☒No Sites Identified ☐Not Reviewed	Federal RCRA Corrective Action (CORRACTS) list https://www.epa.gov/cleanups/cleanups-my-community, and/or http://www.epa.gov/enviro/ (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐Sites Identified ☒No Sites Identified ☐Not Reviewed	Federal RCRA non-CORRACTS Treatment Storage Disposal (TSD) facilities list http://www.envcap.org/statetools/tsdf/ and/or http://www.epa.gov/enviro/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☒Sites Identified ☐No Sites Identified ☐Not Reviewed	Federal RCRA generators http://www.epa.gov/enviro/ (acquired property and adjoining properties)
Comments for Sites Identified: One unplottable Historic RCRA generator site was identified. The site is identified as DFW Airport, located approximately 0.125 miles east of the project area. Unplottable Site: DFW Airport and ExxonMobil Pipeline Company. W. Airfield Dr. at 20th St. Dallas, TX.(TCEQ ID: RN102333143 and CN600125710) The site is a non-industrial generator and transporter of refined petroleum products. The waste produced are spent turbo filters from the turbo fuel pipeline. Filters are changed periodically and disposed of. No corrective actions were identified in connection with the site listing. This site is of little environmental concern.	
☒Sites Identified ☐No Sites Identified ☐Not Reviewed	Federal ERNS (or Responses) https://www.epa.gov/cleanups/cleanups-my-community (acquired property and adjoining properties)

Comments for Sites Identified: Two sites were recorded at Big Bear Creek and Glade Road.
Both sites were unplottable sites on the ERIS database search report.

According to the database, the first site occurred at "Big Bear Creek at Glade Road on airport property" in Dallas TX 75261. An unknown sheen of an unknown amount of an unknown material was reported on the water on 11/19/1991. Booms and hay bales were used to contain the material. The sheen was rainbow in color and approximately 4 feet x 400 feet in size. This site is of little environmental concern due to occurring in 1991.

The second site occurred at "Big Bear Creek just west of tributary BB-1, near Glade Road", DFW Airport. An unknown sheen of approximately 5 gallons of an unknown oil was reported in the water on 2/16/1999. This site is of little environmental concern due to the small amount of material released and due to the incident occurring in 1999.

☐**Sites Identified** ☒**No Sites Identified**	**TCEQ Industrial Hazardous Waste Corrective Action (IHWCA) sites only*** http://www15.tceq.texas.gov/crpub/ (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐**Sites Identified** ☒**No Sites Identified**	**TCEQ Superfund sites*** http://www15.tceq.texas.gov/crpub/ **and/or** https://www.tceq.texas.gov/remediation/superfund/sites/index.html (1 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐**Sites Identified** ☒**No Sites Identified**	**Closed and abandoned municipal solid waste landfill sites*** http://www.tceq.texas.gov/permitting/waste_permits/msw_permits/msw-data (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☒**Sites Identified** ☐**No Sites Identified**	**TCEQ leaking petroleum storage tank remediation lists (LPST)*** http://www15.tceq.texas.gov/crpub/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified: One site was identified approximately 0.5 miles west of the project area. The site listed below is of little environmental concern. Map ID 3: LPST ID #118951, 7 Eleven 26342 at 101 E Glade Road, Euless, TX 76039. Located approximately 0.5 miles west of the project area. A leak was discovered at this site on 5/15/2012, groundwater was impacted, but no apparent threats or impacts to receptors. The July 2019 groundwater monitoring report indicates that the most down gradient well, MW-7 (closest to the project area), exhibited concentrations of a chemical of concern to be below laboratory detection limits. The report is located in Appendix D. Final concurrence is pending well plug. Based on the site status and the distance from the project area, the site is not of concern.	
☐**Sites Identified** ☒**No Sites Identified**	**TCEQ registered petroleum storage tank lists (PST)*** http://www15.tceq.texas.gov/crpub/ (acquired property and adjoining properties)
Comments for Sites Identified:	
☐**Sites Identified** ☒**No Sites Identified**	**TCEQ voluntary cleanup program (VCP) sites*** http://www15.tceq.texas.gov/crpub/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐Sites Identified ☒No Sites Identified ☐Not Reviewed	TCEQ Innocent Owner/ Operator (IOP) sites http://www15.tceq.texas.gov/crpub/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	
☐**Sites Identified** ☒**No Sites Identified**	**TCEQ Dry Cleaners remediation only Database*** http://www15.tceq.texas.gov/crpub/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	

☐**Sites Identified** ☒**No Sites Identified**	**Texas Railroad Commission VCP sites*** http://www.rrc.state.tx.us/oil-gas/environmental-cleanup-programs/site-remediation/voluntary-cleanup-program/ (0.5 mile minimum search distance from project limits)
Comments for Sites Identified:	

Section 5.2 List below other pertinent records reviewed such as local records and/or additional state records
Record Source and Comments: Railroad Commission of Texas pipeline data is included in Figure 3.
Record Source and Comments: N/A

Section 6: Complete a Project Site Survey

Note: Do not document site survey concerns that were previously identified by the regulatory list search, by the Current and Past Land Use review, or both. In Section 6.1, describe the location and size of the concern. Attach site maps and photographs, as appropriate. If a Phase I ESA has been prepared for this project, you may use the applicable site survey information from the Phase I ESA and updated current site conditions, as needed.

Possible Site Survey Concerns: The following items are to be used as a guide to help identify potential hazardous material issues during a site survey.

- underground storage tanks
- aboveground storage tanks
- injection wells, cisterns, sumps, dry wells
- floor drains, walls stained by substances other than water or emitting foul odors
- stockpiling, storage of material
- surface dumping of trash, garbage, refuse, rubbish, debris half exposed/buried, etc.
- stained, discolored, barren, exposed or foreign (fill) soil
- oil sheen or film on surface water, seeps, lagoons, ponds, or drainage basins
- changes in drainage patterns from possible fill areas
- Dead animals (fish, birds, etc.)
- vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground
- electrical and transformer equipment storage or evidence of release
- groundwater monitoring wells and groundwater treatment systems
- vats, 55-gallon drums (labeled/unlabeled), canisters, barrels, bottles, etc.
- evidence of liquid spills
- damaged or discarded automotive or industrial batteries
- dead, damaged, or stressed vegetation
- pits, ponds, or lagoons associated with waste treatment or waste disposal
- security fencing, protected areas, placards, warning signs

Site Survey Date(s): September 15, 2020

6.1 Describe Concerns Observed During the Site Survey. **Do not** include concerns previously identified during the regulatory list search, the current and past land use review or both. Indicate if the concern is associated with existing ROW, proposed ROW, adjacent property, or easements. Provide address location (or relative location) and any additional information about the evidence identified; include photographs as an attachment to the ISA.

Comments or Concerns Identified: Utilities and pipelines are located within the project area. Two petroleum pipelines and a gas pipeline were observed crossing the project area. A Trinity River Authority sanitary sewer line was observed near the center of the project area and a buried cable utility was observed spanning the project area from west to east along the northern side of Glade Road. A flight training facility was observed adjacent to the project area near the eastern terminus. Sewer and other utilities were observed around the facility and in small portions of the project area. No other evidence of spills, hazardous materials releases, infrastructure of unsound integrity, or threats were observed during site investigation.

Section 7: Interviews		
Section 7.1 Were interviews conducted? ☒Yes ☐No Possible interviewees include local residents, TxDOT staff, fire department personnel, city or county department of health/environmental staff, city or county planning staff, TCEQ staff, TRRC staff, and current and former property owners or operators. If one or more Phase I ESAs were prepared for this project, please use applicable interview information from the Phase I ESAs to help complete this section of the ISA.		
Section 7.2 Interview Summary: Complete this section if interviews were conducted. Add additional rows as needed. Attach record of communications to the ISA.		
Name: James Greer	Title: DFW Airport Environmental Program Manager	Date: 12/4/2020
Describe any potential concerns: No potential concerns were identified during the interview.		
Name:	Title:	Date:
Describe any potential concerns:		
Name:	Title:	Date:
Describe any potential concerns:		

Section 8: Hazardous Material Concerns	
On the list below, indicate if a concern is resolved or unresolved. "Unresolved" indicates additional investigation or research is required. "Resolved" indicates the concern has been resolved during the preparation of this ISA. If a concern is "Unresolved" or "Resolved", include a statement explaining the planned next steps to resolve the issue. If no concerns were identified, select "No Issue". For additional information regarding scheduling considerations, internal/external coordination and recommended practices for resolving hazmat issues please refer to TxDOT's *Environmental Tool Kit* web site. Contact TxDOT ENV Hazardous Material Management (HMM) for additional assistance.	
8.1 Identify Type of Hazardous Material Concerns	
Resolution	**Type of Concern**
☐**Unresolved** ☐**Resolved** ☒**No Issue**	**Current or Past Land Use Concerns:** These concerns are associated with hazardous material issues identified in Section 4 that were not discovered during the database search in Section 5.1 or during the Site Survey in Section 6.1. Note: *For ECOS IIR development, the Available Contaminated Media would be "Other".*
Explain Unresolved or Resolved Issues:	
☐**Unresolved** ☐**Resolved** ☒**No Issue**	**Site Visit Concerns:** These concerns are associated with hazardous material issues discovered following the completion of Section 6 that were not previously discovered during the database search in Section 5.1 or during the current and past land use review in Section 4. Note: *For ECOS IIR development, the Available Contaminated Media would be "Other".*
Explain Unresolved or Resolved Issues:	
☐**Unresolved** ☐**Resolved** ☐**No Issue** ☒**N/A**	**Interview Concerns:** These concerns are associated with any hazardous material issues discovered during an interview listed in Section 7, that were not previously discovered during the database search in Section 5.1, during the current and past land use review in Section 4, or during the Site Survey in Section 6.1. Note: *For ECOS IIR development, the Available Contaminated Media would be "Other".*

Explain Unresolved or Resolved Issues:

☐**Unresolved** ☐**Resolved** ☒**No Issue**	**Petroleum Storage Tanks (PSTs) Concerns discovered during the database search:** PSTs are underground or aboveground storage tanks used to store fuel or other petroleum substances. Typically, these are found at gasoline and diesel refueling facilities. Select below all that apply.	
	☐Yes ☐No	ROW acquisition or partial acquisition of a parcel with one or more PSTs.
	☐Yes ☐No	Other- Describe:
Explain Unresolved or Resolved Issues:		
☐**Unresolved** ☒**Resolved** ☐**No Issue**	**Leaking Petroleum Storage Tanks (LPSTs) Concerns discovered during the database search:** LPSTs are PSTs that have caused or are suspected to have caused a release of fuel or other petroleum substances to the environment.	
	☐Yes ☒No	Additional Research is needed or uncertain of impacts from one or more LPSTs. Request assistance from ENV.
	☐Yes ☒No	ROW acquisition or partial acquisition of a parcel with one or more LPSTs.
	☐Yes ☒No	One or more LPSTs are located within 0.25 miles of the project.
	☐Yes ☐No	Other- Describe:
Explain Unresolved or Resolved Issues:One LPST site (Map ID 3) was identified approximately 0.5 miles west of the project area at 101 E Glade Road, Euless, TX 76039. Located approximately 0.5 miles west of the project area. A leak was discovered at this site on 5/15/2012, groundwater was impacted, but no apparent threats or impacts to receptors. Based on the site status and the distance from the project area, the site is not of concern.		
☐**Unresolved** ☒**Resolved** ☐**No Issue**	**Oil and Gas Activity Concerns**: TxDOT is concerned with the acquisition of oil and gas wells (and ancillary equipment) such as process, piping, production equipment, pipelines, etc. Select below all that apply.	
	☐Yes ☒No	Additional Research needed or uncertain of impacts. Request assistance from ENV.
	☐Yes ☒No	Database search identified TRRC VCP Site within 0.5 miles of project.
	☐Yes ☒No	Oil/ Gas Wells within future ROW.
	☒Yes ☐No	Spills or other Contamination Issues associated with ancillary equipment or pipelines.
	☐Yes ☐No	Other- Describe:
Explain Unresolved or Resolved Issues:Two small spills have occurred in the past 30 years and both at Big Bear Creek. The spills occurred in 1991 and 1998. Both spills were reported for a sheen on the water. One was contained and the other was estimated to be 5 gallons in size. Based on the amount of time and small quantities spilled, the sites are of little concern to the project.		
☐**Unresolved** ☒**Resolved** ☐**No Issue**	**Non-LPST Source Contamination Concerns discovered during the database search**: These are sites or locations that have a potential for soil and groundwater contamination and are not associated with LPST sites. Select below all that apply.	
	☐Yes ☒No	Additional Research is needed or uncertain of impacts from a Non-LPST site. Request assistance from ENV.
	☐Yes ☒No	Database search identified SEMS Active NPL or Not NPL site(s) within 1 mile of the project. This may be identified on a database search as a CERCLIS or NPL site.
	☐Yes ☒No	Database search identified SEMS Archived NPL or Not NPL site(s) within 0.5 miles of the project. This may be identified on a database search as a CERCLIS NFRAP.
	☐Yes ☒No	Database search identified RCRA Corrective Action(s) site within 1 mile of project.
	☐Yes ☒No	Database search identified RCRA TSD facilities within 0.5 miles of project.
	☐Yes ☒No	Database search identified TCEQ IHW Corrective Action sites within 1 mile of project.

	☐Yes ☒No	Database search identified TCEQ Superfund sites within 1 mile of project.
	☐Yes ☒No	Database search identified TCEQ VCP sites within 0.5 miles of project.
	☐Yes ☒No	Database search identified TCEQ IOP sites within 0.5 miles of project.
	☒Yes ☐No	Other- Describe: TCEQ SPILLS
Explain Unresolved or Resolved Issues:A TCEQ Spill database listing was identified in the regulatory database (Map ID 2). An Austin Bridge and Road site (RN100765056) was identified west of the project area at 525 Glade Road. The site is a concrete plant listed for a reported 60-gallon hydraulic fluid spill that occurred in March of 2012. Site was documented as cleaned up and it is reported that no further action is warranted. No additional corrective actions were identified at this site.		
☐**Unresolved** ☐**Resolved** ☒**No Issue**	**Landfills/Waste Pits/Dump Site Concerns:** These concerns are associated with any known or suspected (based on visual observations) landfills, dump sites, or waste pits. These concerns may appear on a database search as CALF or MSWLF site. Additionally, the local Council of Governments (COG) maintains a list of closed and open landfills in your project area. Select below all that apply.	
	☐Yes ☒No	Additional research is needed or uncertain of impacts. Request assistance from ENV.
	☐Yes ☒No	Database search identified active/closed/abandoned CALF or MSWLF landfill sites within .5 miles of the project.
	☐Yes ☐No	Other- Describe:
Explain Unresolved or Resolved Issues:		

8.3 Did the ISA identify any Unresolved Hazardous Material concerns?

☒ No, unresolved hazardous materials concerns were identified and/or all potential concerns were resolved within the ISA. No further hazardous materials action is required. The ISA is complete for this project. Any unanticipated hazardous materials impacts encountered during the project construction phase shall be addressed in accordance with regulatory requirements and TxDOT standard specifications. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.

☐ Yes, the ISA identified one or more unresolved hazardous materials concerns requiring additional investigations or assessments. An Issues, Identification, and Resolution (IIR) form shalll be completed in ECOS to track the additional investigations and assessments. Complete Sections 9 and 10 and maintain a copy of the ISA and all applicable attachments in the project file.

Section 9: Reference Materials Utilized (Identify any referenced materials and attach them to the ISA or in the project file.			
Referenced Materials Used	☒ Project Map	☒ USGS Topo Maps	☒ Aerial Photographs
	☐ ROW Maps/Files	☐ Sanborn Fire Insurance Maps	☐ Temporary Use Agreements
	☐ TxDOT As-Built Plans	☐ Notifications	☒ Photographs
	☒ Project Schematics/Profiles	☒ Regulatory Database	☒ Record of Interviews
	☒ Other:LPSTID #118952 - July 2019 Groundwater Monitoring Report (Attached)		

Section 10: Contact/Completed by		
Name:	Clint Wardlow	**Tel: 469.647.4866**
Title:	Ecologist, ISA Certified Arborist	
Firm (District Section):	Cox | McLain Environmental Consulting, Inc. for TxDOT Fort Worth District - Project Development	
Address:	600 E. John Carpenter Freeway, Suite 186, Irving, Texas 75062	
Signature:	Clint Wardlow	**Date:12.4.2020**

Appendix A

The following table shows the revision history for this guidance document.

Revision History	
Effective Date	**Reason for and Description of the Change**
December 2019	Version 6 Updated NEPA assignment disclaimer language to reflect first renewed NEPA assignment MOU date of December 9, 2019.
April 2017	Version 5 The cover page has additional fields related to specific project information. This is added to personalize the ISA to a project. Section 2 was modified to acknowledge that asbestos or lead-in-paint issues might exist on our construction projects, but the identification and resolution to these issues are outside of the ISA process and are handled programmatically by TxDOT (usually in CST or the ROW processes). Section 3 was modified by adding an additional screening option. You are now able to screen out of performing a full ISA if your project meets the parameters described. Section 6 was reformatted to remove the numerous selections related to the Possible Site Survey Concerns. Additionally, redundant questions were removed to make the section easier to use. Under the new format, the preparer is required to insert the survey dates and a description of what was identified during the survey. Minor changes were made to terminology throughout the ISA, this was performed to clarify and streamline the process. Section 8.1 has been modified to provide resolution to potential hazardous materials issues that can be resolved easily during the ISA process. Additionally, a comment field was added to provide direction related to issues requiring further action to resolve. This will streamline the process in reducing the amount of IIR entries requires in ECOS and will reduce the time required to review a project.
June 2016	Version 4 Modifications to Section 5: Web links and database names were modified based on changes made by regulatory agency websites.
October 2014	Version 3

	Modifications to Section 2: Clarified this section to better define what are asbestos and lead-in-paint concerns. Changes were made due to numerous comments from the end-user. An additional note was added to this section. This note directs end-users to ENV-HMM for further assistance related to lead-in-paint issues. Modifications to Section 3: The question concerning Project Excavations in Section 3.1 was modified to match the definition used in Scoping Procedure for Categorically Excluded TxDOT Projects for Hazardous Materials found in the NEPA and Project Development Toolkit. Modifications to Section 5: Web links were modified based on changes made by regulatory agency websites. Modifications to 8.2: Clarified the “Yes” answer in 8.2 to remove the need for additional assessments for all identified hazardous materials concerns. The question was modified due to comments by the end-user.
August 2014	Version 2 Removed introductory note describing ISA threshold criteria. Note was removed because the ISA threshold criteria are located in other TxDOT guidance.
April 2014	Version 1 Released

APPENDIX B

Figure 1: Project Vicinty Map

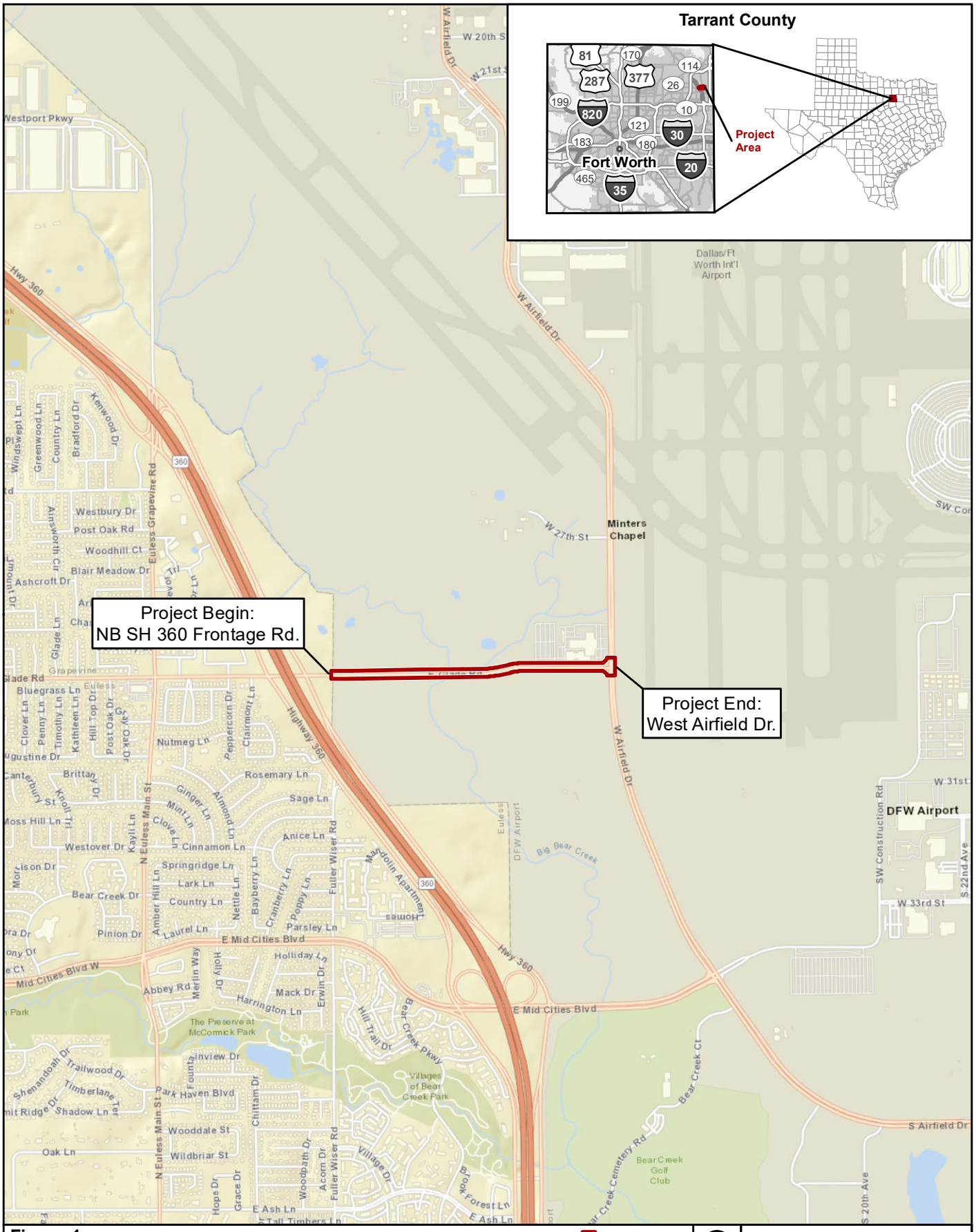


Figure 1.
Vicinity Map

Glade Road

Project Area

Basemap Source: Esri (2020)

CSJ: 0902-90-117, 0902-90-061

0 2,000 Feet
0 600 Meters

1 in = 2,000 feet
Scale: 1:24,000
Date: 11/23/2020

G:\Projects\TXDOT\Glade_Road\GladeRd_Delineation_Figure 1_Vicinity_Map_20201123_TLS.mxd

Figure 2: Project Overview (Aerial Base)

Figure 2.
Project Overview (Aerial Base)

Glade Road

Project Area

Aerial Source: Google (2019)

CSJ: 0902-90-117, 0902-90-061

0 2,000 Feet
0 600 Meters

1 in = 2,000 feet
Scale: 1:24,000
Date: 11/23/2020

G:\Projects\TXDOT\Glade_Road\GladeRd_Delineation_Figure 2_Project_Overview_Aerial_20201123_TLS.mxd

Figure 3: Sites of Concern

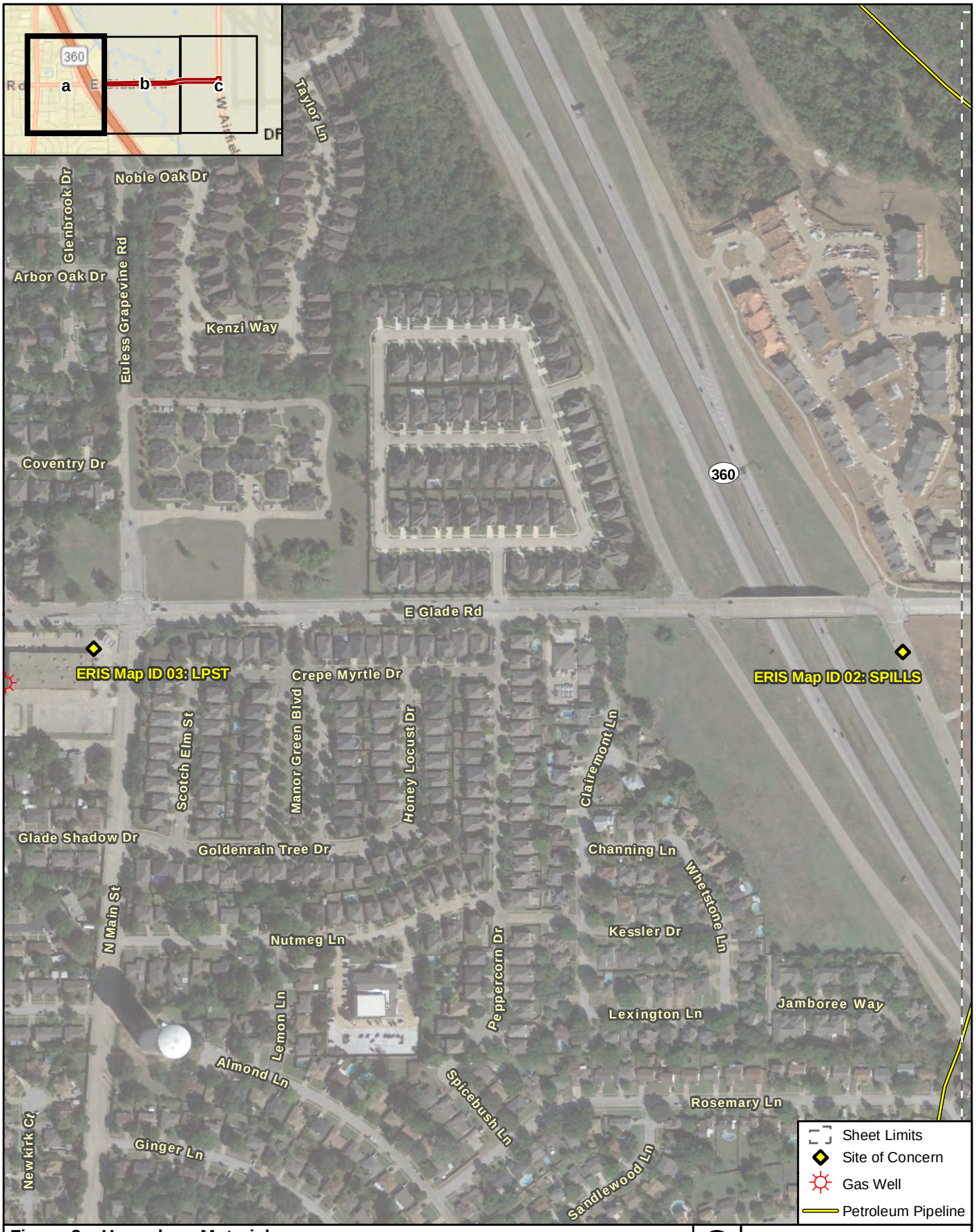


Figure 3a. Hazardous Materials Sites of Concern

Glade Road

CSJ: 092-90-117, 0902-90-061

Data Sources: ERIS (2020), TPP/TxRRC (2020), CMEC (2020)
Aerial Source: Google (2019)

0 400 Feet
0 100 Meters

1 in = 400 feet
Scale: 1:4,800
Date: 10/15/2020

G:\Projects\TXDOT\Glade_Road\GladeRd_Hazmat_Figure 3_Sites of Concern_20201013_TLS.mxd

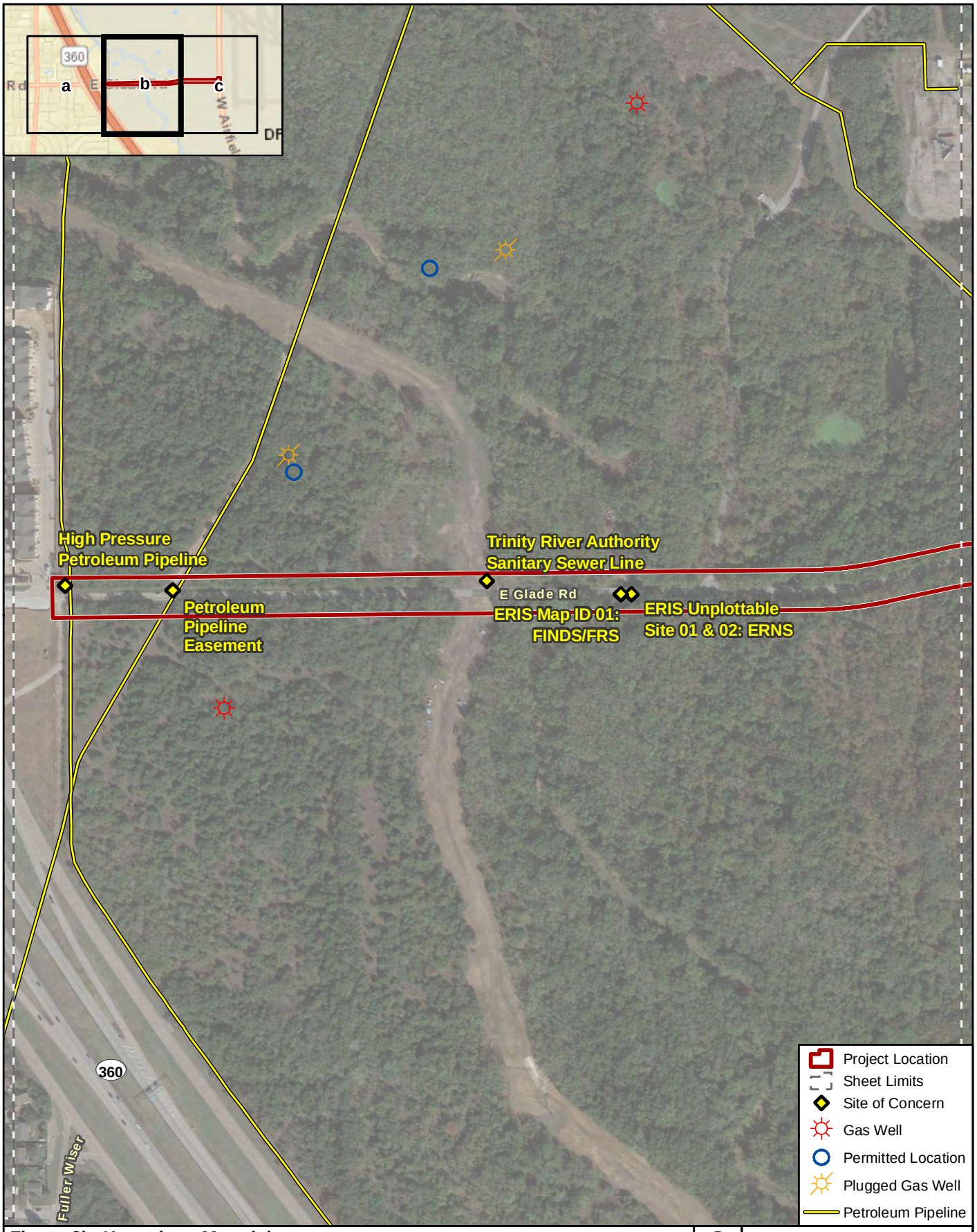


Figure 3b. Hazardous Materials Sites of Concern

Glade Road

CSJ: 092-90-117, 0902-90-061

Data Sources: ERIS (2020), TPP/TxRRC (2020), CMEC (2020)
Aerial Source: Google (2019)

0 400 Feet
0 100 Meters

1 in = 400 feet
Scale: 1:4,800
Date: 10/15/2020

G:\Projects\TXDOT\Glade_Road\GladeRd_Hazmat_Figure 3_Sites of Concern_20201013_TLS.mxd

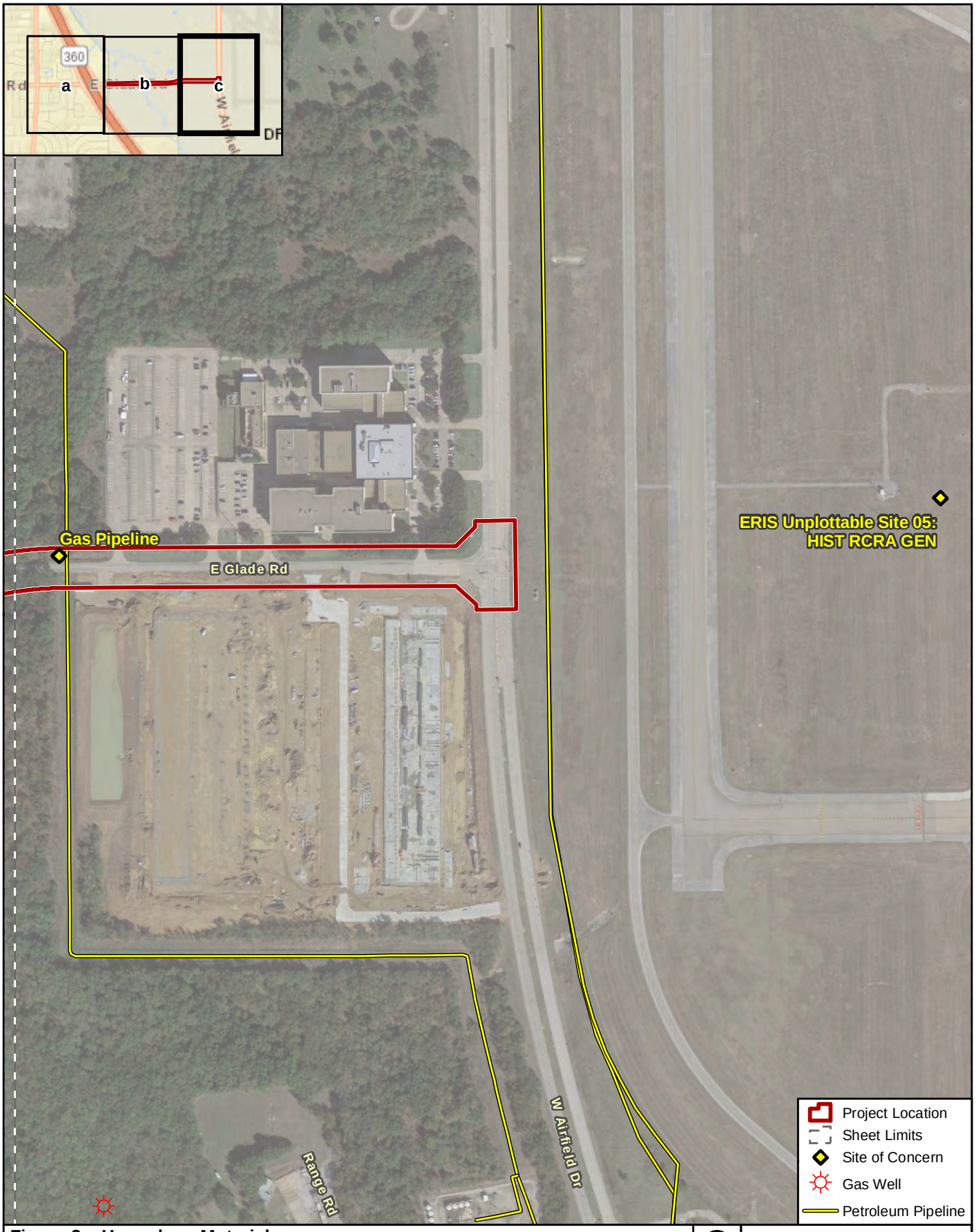


Figure 3c. Hazardous Materials Sites of Concern

Glade Road

Data Sources: ERIS (2020), TPP/TxRRC (2020), CMEC (2020)
Aerial Source: Google (2019)

CSJ: 092-90-117, 0902-90-061

0 400 Feet
0 100 Meters

1 in = 400 feet
Scale: 1:4,800
Date: 10/15/2020

G:\Projects\TXDOT\Glade_Road\GladeRd_Hazmat_Figure 3_Sites of Concern_20201013_TLS.mxd

APPENDIX C

Project Photographs

Photo 1: Signs indicating the presence of a petroleum pipeline that crosses the western portion of the project area.

Photo 2: View of the petroleum pipeline easement that crosses the western portion of the project area; viewing south.

Photos taken September 15, 2020.

Photo 3: View of the petroleum pipeline easement that crosses the western portion of the project area; viewing north.

Photo 4: Sign indicating the presence of a high-pressure petroleum pipeline that crosses the project area near the western terminus; viewing north.

Photos taken September 15, 2020.

Photo 5: View of a high-pressure petroleum pipeline easement that crosses the project area near the western terminus; viewing north

Photo 6: Buried cable indicator pole located at the western project terminus, on the north side of Glade Road.

Photos taken September 15, 2020.

Photo 7: Buried cable indicator pole located near the central portion of the project area, on the north side of Glade Road.

Photo 8: Sign indicating the presence of a Trinity River Authority sanitary sewer line located within the central portion of the project area.

Photos taken September 15, 2020.

Photo 9: View of the Trinity River Authority sanitary sewer line located within the central portion of the project area; on the north side of Glade Road.

Photo 10: View of the Trinity River Authority sanitary sewer line located within the central portion of the project area; on the south side of Glade Road.

Photos taken September 15, 2020.

Photo 11: Sign indicating the presence of a gas pipeline that crosses the eastern portion of the project area; viewing north.

Photo 12: View of a gas pipeline that crosses the eastern portion of the project area; viewing south.

Photos taken September 15, 2020.

Photo 13: View of building adjacent to the project area, located at 3051 West Airfield Drive; viewing southwest.

Photo 14: View of building adjacent to the project area, located at 3001 West Airfield Drive; viewing southwest.

Photos taken September 15, 2020.

Photo 15: View of CAE Dallas West Training Center located adjacent to the project area; viewing northeast.

Photo 16: Sanitary sewer utility manhole located near the CAE Dallas West Training Center and is representative of the type of utilities located near the eastern terminus.

Photos taken September 15, 2020.

APPENDIX D

Regulatory Database Search

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Glade Road from NB SH 360 Frontage Road to West Airfield Dr.*
Project No:	*CSJ(s) 0902-90-117, 0902-90-061*
Report Type:	*Database Report*
Order No:	*20291400259*
Requested by:	*COX McLain Environmental Consulting, Inc.*
Date Completed:	*September 15, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*Glade Road CE* *Glade Road DFW Airport TX*
Project No:		*014-028-002*
Coordinates:		
	Latitude:	*32.88116661*
	Longitude:	*-97.06647728*
	UTM Northing:	*3,639,770.49*
	UTM Easting:	*680,877.58*
	UTM Zone:	*UTM Zone 14S*
Elevation:		*515 FT*

Order Information:

Order No:	*20291400259*
Date Requested:	*September 14, 2020*
Requested by:	*COX McLain Environmental Consulting, Inc.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DSHW	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
CLI	Y	0.5	0	0	0	0	-	0
HGAC CLI	Y	0.5	0	0	0	0	-	0
AACOG CLI	Y	0.5	0	0	0	0	-	0
IHW CORR ACTION	Y	0.25	0	0	0	-	-	0
IHW RECEIVER	Y	0.5	0	0	0	0	-	0
LPST	Y	0.5	0	0	0	**1**	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
PST	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0
UST AUSTIN	Y	0.25	0	0	0	-	-	0
DTNK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
VCP RRC	Y	0.5	0	0	0	0	-	0
OP CLEANUP	Y	0.5	0	0	0	0	-	0
IOP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWN RRC	Y	0.5	0	0	0	0	-	0
MSD	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0

County ***No County standard environmental record sources available for this State.***

Additional Environmental Records

Federal

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	**1**	-	-	-	**1**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PRIORITY CLEAN	Y	0.25	0	0	0	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
GWCC	Y	0.125	0	0	-	-	-	0
APAR	Y	0.5	0	0	0	0	-	0
SPILLS	Y	0.125	0	**1**	-	-	-	**1**
PFAS	Y	0.5	0	0	0	0	-	0
NOV	Y	0.25	0	0	0	-	-	0
LIENS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST RCRA GEN	Y	0.125	0	0	-	-	-	0
RTOL	Y	0.25	0	0	0	-	-	0
UIC	Y	0.25	0	0	0	-	-	0
IHW GENERATOR	Y	0.125	0	0	-	-	-	0
IHW TRANSPORT	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental record sources available for this State.***

Total:	0	***2***	0	***1***	0	***3***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	BEAR CREEK INTERCEPTOR 09BC-1 PHASE 1B	THIS PROJECT BEGINS NORTHEAST OF E. GLADE ROAD ROU GRAPEVINE TX 76051	W	0.01 / 42.15	-3	16
2	SPILLS	AUSTIN BRIDGE AND ROAD	EULESS TX 76039 ***Incident No | Incident Status:*** 165951 | Closed	W	0.05 / 279.56	49	16
3	LPST	7 ELEVEN 26342	101 E GLADE RD EULESS TX 76039 ***LPST ID:*** 118951 ***Closure Date | Corrective Action Status:*** 08/03/2020 | 6P - FINAL PENDING WELL PLUG	W	0.50 / 2,614.93	79	17

Executive Summary: Summary by Data Source

Standard

State

LPST - Leaking Petroleum Storage Tank Database

A search of the LPST database, dated Sep 4, 2020 has found that there are 1 LPST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
7 ELEVEN 26342	101 E GLADE RD EULESS TX 76039	W	0.50 / 2,614.93	3
	***LPST ID**: 118951* ***Closure Date | Corrective Action Status**: 08/03/2020 | 6P - FINAL PENDING WELL PLUG*			

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Mar 25, 2020 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

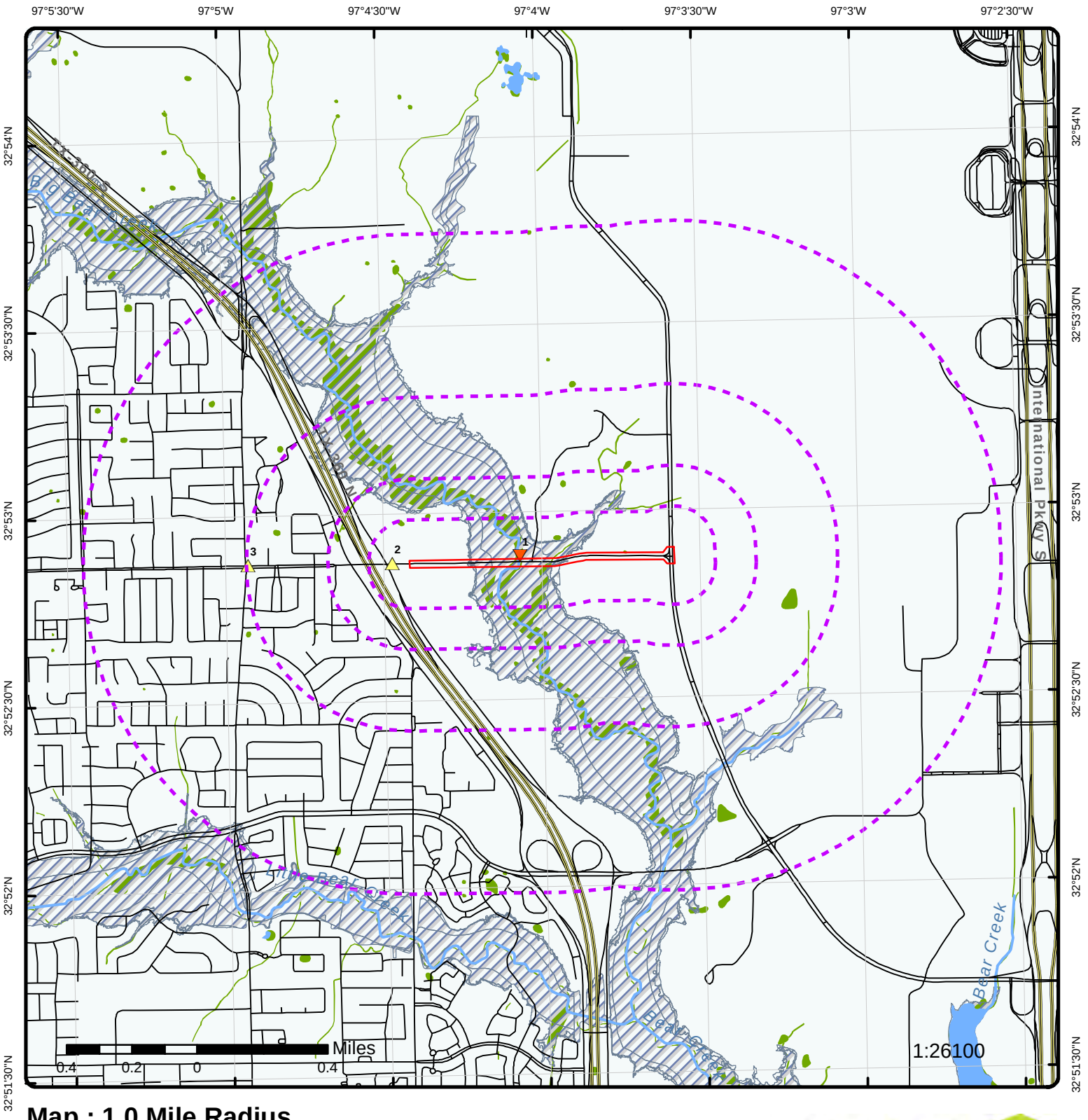
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BEAR CREEK INTERCEPTOR 09BC-1 PHASE 1B	THIS PROJECT BEGINS NORTHEAST OF E. GLADE ROAD ROU GRAPEVINE TX 76051	W	0.01 / 42.15	1

State

SPILLS - Spills Database

A search of the SPILLS database, dated May 13, 2020 has found that there are 1 SPILLS site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AUSTIN BRIDGE AND ROAD	EULESS TX 76039	W	0.05 / 279.56	2
	***Incident No | Incident Status**: 165951 | Closed*			



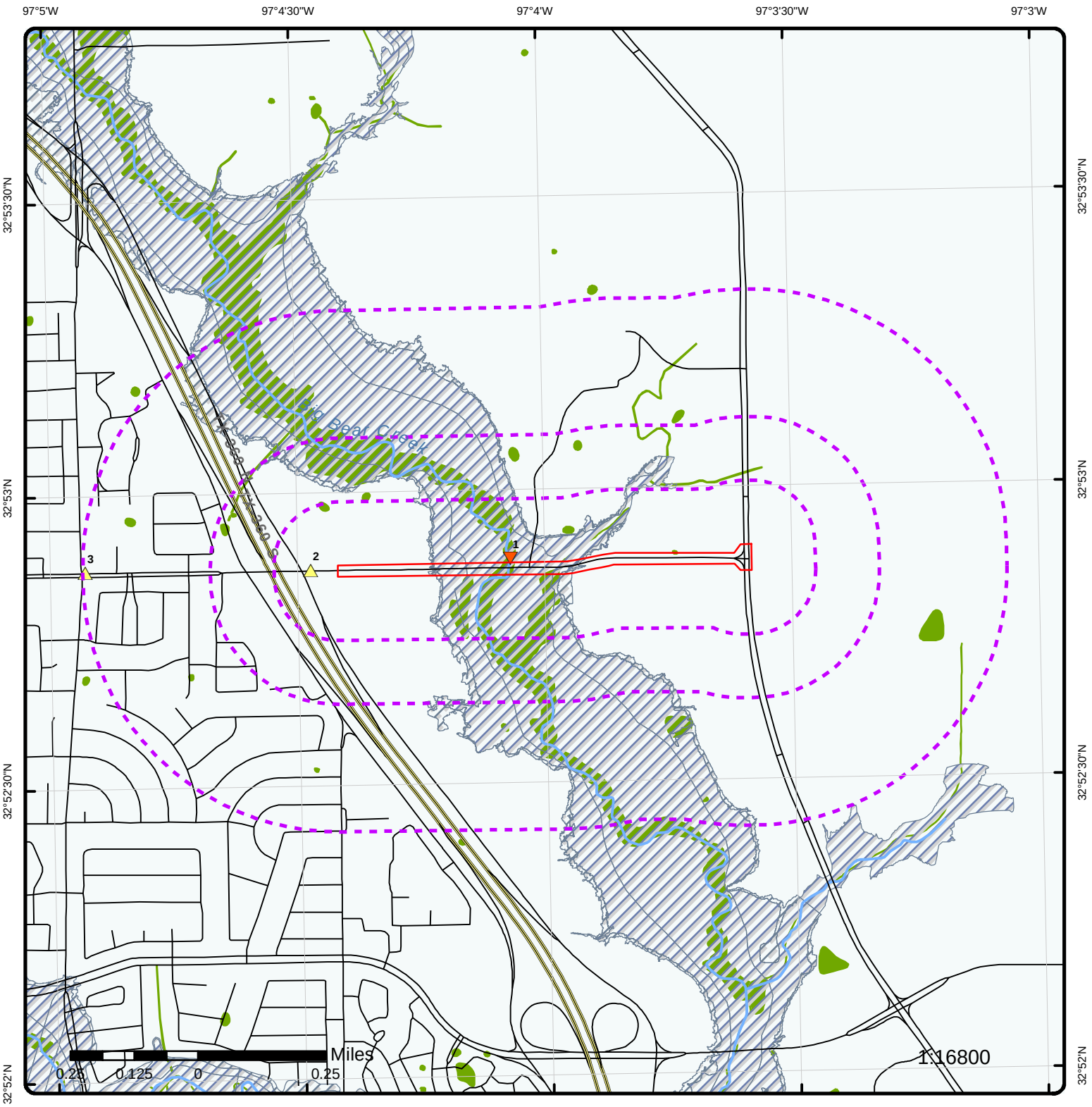
Map : 1.0 Mile Radius

Order Number: 20291400259

Address: Glade Road, DFW Airport, TX

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)



Map : 0.5 Mile Radius

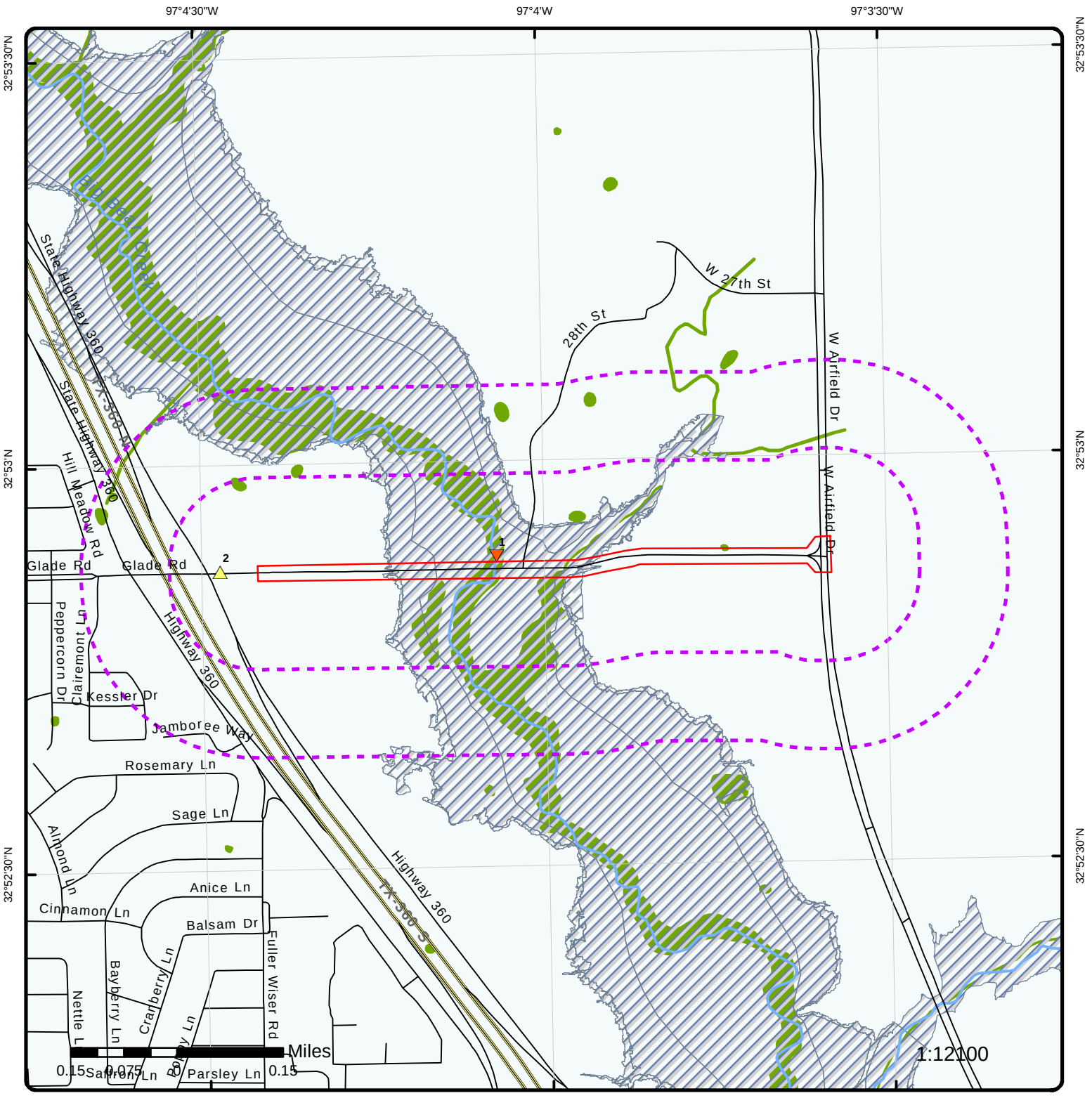
Order Number: 20291400259

Address: Glade Road, DFW Airport, TX

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI



Map : 0.25 Mile Radius

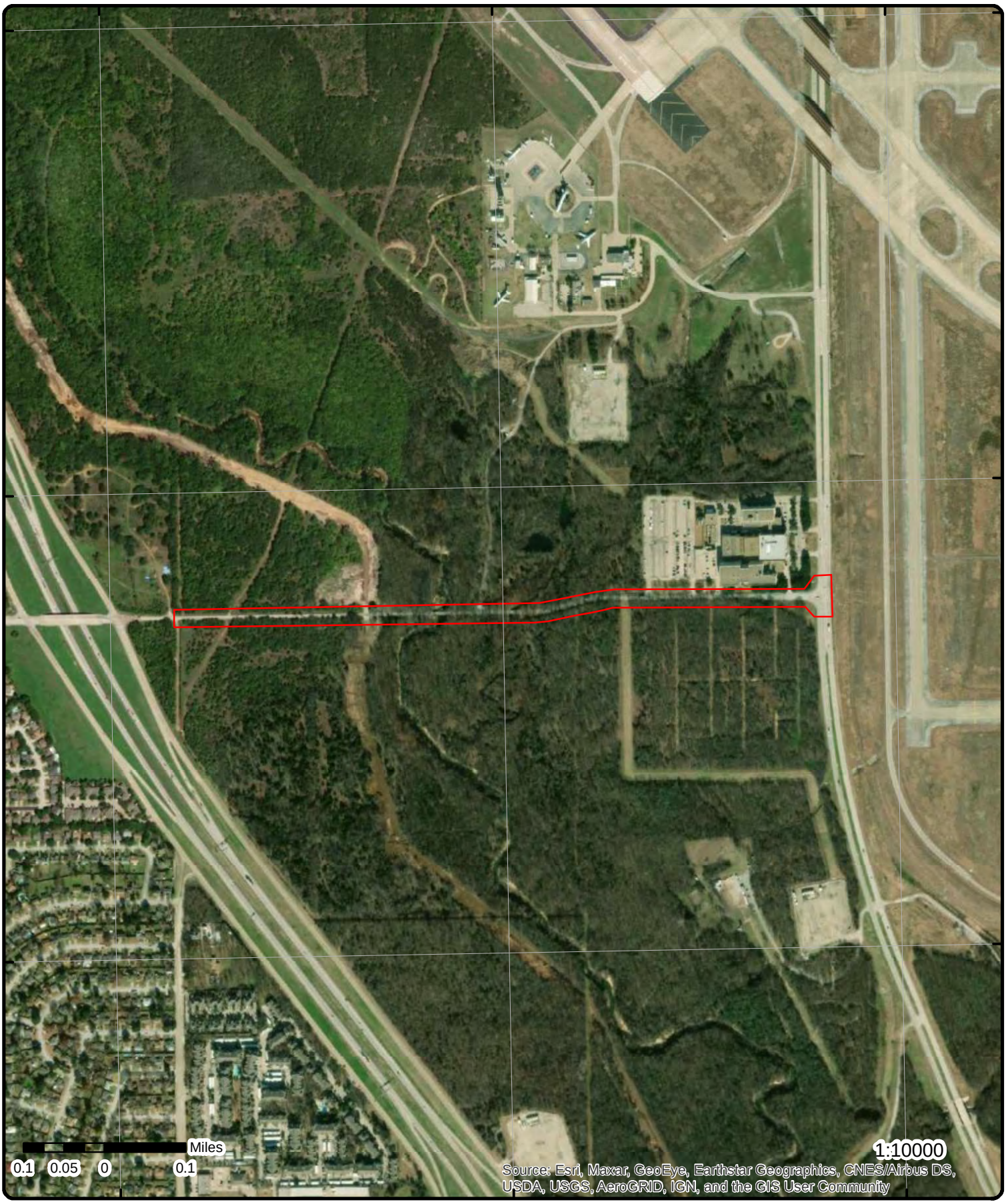
Order Number: 20291400259

Address: Glade Road, DFW Airport, TX

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI



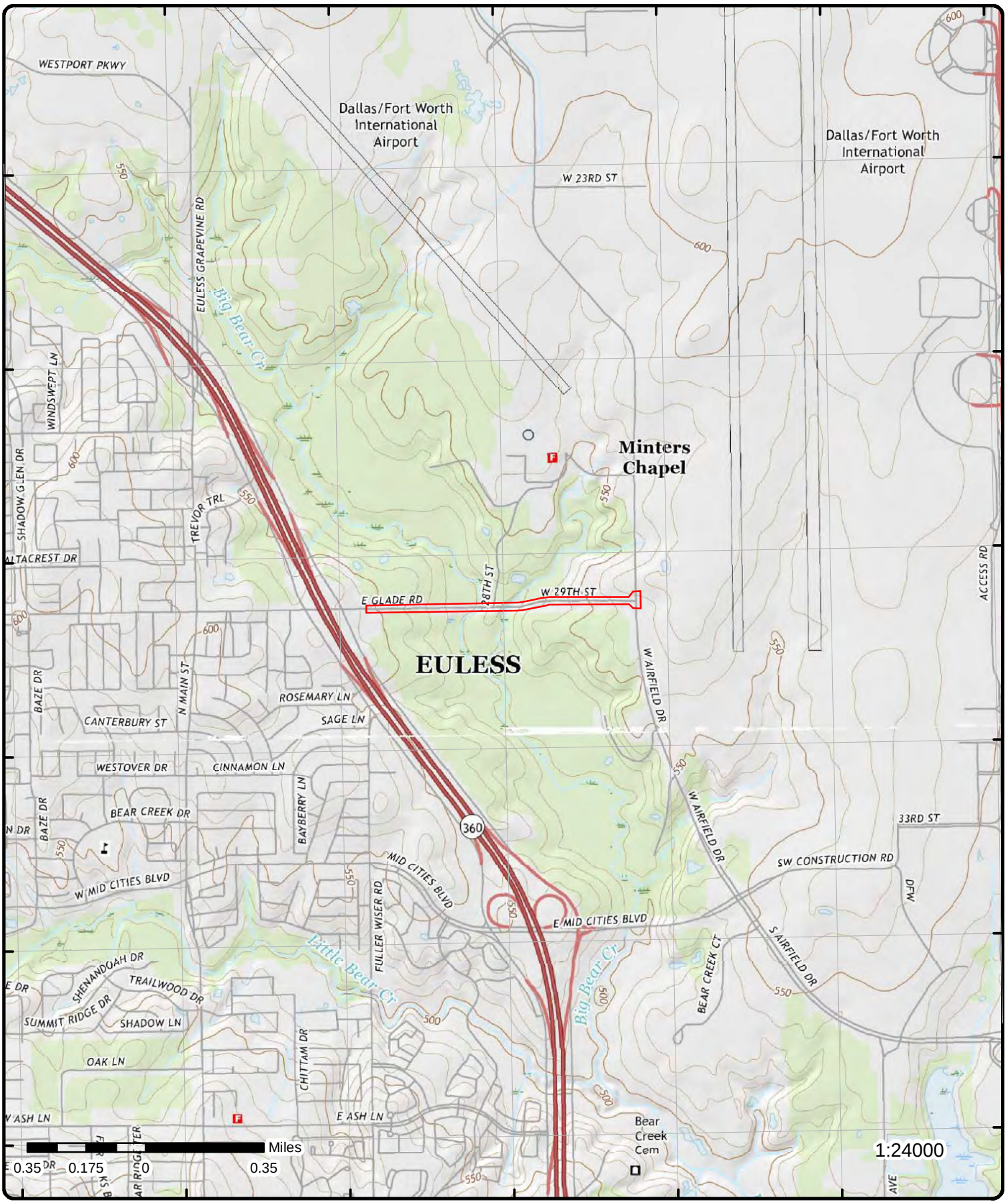
Aerial **Year: 2018**

Address: Glade Road, DFW Airport, TX

Source: ESRI World Imagery

Order Number: 20291400259

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Year: 2016

Address: Glade Road, TX

Quadrangle(s): Euless,TX; Grapevine,TX

Source: USGS Topographic Map

Order Number: 20291400259

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	W	0.01 / 42.15	512.01 / -3	BEAR CREEK INTERCEPTOR 09BC-1 PHASE 1B THIS PROJECT BEGINS NORTHEAST OF E. GLADE ROAD ROU GRAPEVINE TX 76051	FINDS/FRS

Registry ID: 110070370304
FIPS Code:
HUC Code: 12030102
Site Type Name: STATIONARY
Location Description:
Supplemental Location: GHLY 1,650 LF TO THE EAST OF THE INTERSECTION OF E
Create Date: 05-OCT-18
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER CONSTRUCTION
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 24
Census Block Code: 484399800001107
EPA Region Code: 06
County Name:
US/Mexico Border Ind:
Latitude: 32.881369
Longitude: -97.067888
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070370304
Program Acronyms:

NPDES:TXR15350G

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	W	0.05 / 279.56	564.43 / 49	AUSTIN BRIDGE AND ROAD EULESS TX 76039	SPILLS

Incident No: 165951
Regulated Entity No: RN100765056
Incident Status: Closed
Incident Priority: 8
Address:
Tceq Region: REGION 04 - DFW METROPLEX
County: TARRANT
Zip Code: 76039
State:
Zip Plus 4 CD:
Latitude: 0
Receiving Water:
Incident Type: Emergency Response
Disp Status:
Disp Date: 3/13/2012
Deliver Text 2:
Nearest City: EULESS
Nature: INDUSTRIAL
Frequency: PAST
No Complaining: 0
Received Date: 3/13/2012
Start Date: 3/13/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude: 0 **Status Date:** 2/8/2013
Regulated Entity Name: AUSTIN BRIDGE AND ROAD
Physical Location: 525 GLADE ROAD @ 360 R-O-W
Note: Documents related to facilities in Texas can be searched on TCEQ Records Online Central File Room (CFR): https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH
Basic information, including RN numbers, for facilities in TX can be searched on the TCEQ Central Registry: https://www15.tceq.texas.gov/crpub/
Information about how to use these resources can be found here: https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf

Spill Detail

Incident No: 165951
Action Taken: Excess oil was removed via a vacuum truck owned by DFW Waste Oil. Pad were applied to soil. Once the crane is repaired, a skid loader will remove soil and contain until tested. Oil pads will be hauled away and disposed of by DFW Waste Oil. Soil will be disposed of properly. Final report received on September 5, 2012. it appears that no further action warranted at this time.
Media: WASTE
Customer Name: AUSTIN BRIDGE & ROAD LP
Comment No:
Material Spilled: Hydraulic fluid
Amount: 60.00 GALLONS
Source: Construction Equipment
Effect: ENVIRONMEN
Classification: 003 - Oil Minor <24B/1,000G
Incident Comments:

Incident Description:

3	1 of 1	W	0.50 / 2,614.33	594.16 / 79	7 ELEVEN 26342 101 E GLADE RD EULESS TX 76039	LPST

LPST ID: 118951 **Nearest City:** EULESS
PST ID: 9224 **Site Name (GIS):** 7 ELEVEN 26342
Facility ID: 9224 **Phys Addr (GIS):** 101 E GLADE RD
Site Name: 7 ELEVEN 26342 **City (GIS):** EULESS
Site Address: 101 E GLADE RD **County (GIS):** TARRANT
City Name: EULESS **Zip Code (GIS):** 76039
Zip Code: 76039 **Lat DD (GIS):** 32.8809
County Name: TARRANT **Long DD (GIS):** -97.08253
Addr Desc (GIS): 101 E GLADE RD
Source: TCEQ LPST Report; TCEQ GIS Data (MAP)
Note: Documents related to facilities in Texas can be searched on TCEQ Records Online Central File Room (CFR): https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH
Basic information, including RN numbers, for facilities in TX can be searched on the TCEQ Central Registry: https://www15.tceq.texas.gov/crpub/
Information about how to use these resources can be found here: https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf

TCEQ LPST Report

Ref No: RN102435518 **Reported Date:** 05/14/2012
Closure Date: 08/03/2020 **Entered Date:** 10/17/2012
Discovered Date: 05/15/2012 **TCEQ Region:** REGION 04 - DFW METROPLEX
Rem Program: LPST **Project Manager:** RKRAFT
Program: 1 - RPR
Corrective Action Status: 6P - FINAL PENDING WELL PLUG
Priority Status: 4.1 - GW IMPACTED NO APPARENT THREATS OR IMPACTS TO RECEPTORS

TCEQ GIS Data

Region: REGION 04 - DFW METROPLEX **Horz Meth:** GPS_DIFF
X: -97.08253 **Horz Acc:** 5

Y:	32.8809	***Horz Org:***	UTA
Horz Ref:	OTHER	***Horz Datum:***	NAD83
Horz Date:	20121017	***Horz Desc:***	

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		BIG BEAR CREEK AT GLADE RD ON AIRPORT PROPERTY	DALLAS/FORT WORTH TX	75261	807133076
ERNS		BIG BEAR CREEK JUST WEST OF TRIBUTARY BB-1,NEAR GLADE ROAD	DFW AIRPORT TX	75261	806717424
FINDS/FRS	DFW AIRPORT	GLADE ROAD TO WEST WATER STORAGE SITE ON WEST AIRF	DALLAS TX	75261	866741821
FINDS/FRS	JLB CONTRACTING GLADE ROAD ROADWAY IMPROVEMENTS	ON GLADE RD BW S BOUND SH 360 & CHAMPAGNE BLVD	GRAPEVINE TX	76051	816329057
HIST RCRA GEN	DFW AIRPORT	W AIRFIELD DR	DALLAS TX	75261	880588371
HIST TANK	HYATT BEAR CREEK GOLF COURSE (WO	W AIRFIELD DR	DFW AIRPORT TX	75261	881083910
SPILLS	GENERAL ELECTRIC LIGHTING DISTRIBUTION CENTER	Airfield Drive D/FW Airport, TX 75261 ***Incident No*	*Incident Status:*** 9776 | Closed	D/FW AIRPORT TX		819049501

Unplottable Report

Site:

BIG BEAR CREEK AT GLADE RD ON AIRPORT PROPERTY DALLAS/FORT WORTH TX 75261

ERNS

NRC Report No:	96818	***Latitude Degrees:***	
Type of Incident:	UNKNOWN SHEEN	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	11/19/1991 12:30:00 PM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	
Location County:	TARRANT	***Location Township:***	
Potential Flag:		***Location Range:***	
Year:	Year 1991 Reports		
Description of Incident:	UNKNOWN/UNKNOWN		

Material Spill Information

Chris Code:	UNK	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	UNKNOWN MATERIAL	***Unit Reach Water:***	UNKNOWN AMOUNT
Amount of Material:	0		

Calls Information

Date Time Received:	11/19/1991 6:49:24 PM	***Responsible City:***	
Date Time Complete:	11/19/1991 6:55:55 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	

Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	BOOMS AND HAY BAILS USED TO CONTAIN MATERIAL	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	Y
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	BIG BEAR CREEK	***Additional Info:***	SHEEN SIZE=4 FT X 400 FT RAINBOW

Site:

BIG BEAR CREEK JUST WEST OF TRIBUTARY BB-1,NEAR GLADE ROAD DFW AIRPORT TX 75261 ERNS

NRC Report No:	474136	***Latitude Degrees:***	
Type of Incident:	UNKNOWN SHEEN	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	2/16/1999 3:45:00 PM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	

Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	
Location County:	TARRANT	***Location Township:***	
Potential Flag:		***Location Range:***	
Year:	Year 1999 Reports		

Description of Incident: MATERIAL WAS DISCOVERED IN A WATERWAY THAT PASSES THROUGH THE AIRPORTPROPERTY

Material Spill Information

Chris Code:	OUN	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	5
Name of Material:	UNKNOWN OIL	***Unit Reach Water:***	GALLON(S)
Amount of Material:	5		

Calls Information

Date Time Received:	2/16/1999 5:34:14 PM	***Responsible City:***	
Date Time Complete:	2/16/1999 5:38:26 PM	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	UNKNOWN	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:		***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:		***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:		***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:		***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:		***Sheen Size Length:***	
Track Closed:		***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	WATER	***Duration Unit:***	
Addl Medium Info:	BIG BEAR CREEK	***Additional Info:***	

Site: ***DFW AIRPORT***
GLADE ROAD TO WEST WATER STORAGE SITE ON WEST AIRF DALLAS TX 75261

FINDS/FRS

Registry ID:	110070190175
FIPS Code:	439
HUC Code:	
Site Type Name:	
Location Description:	GLADE ROAD TO WEST WATER STORAGE SITE ON WEST AIRFIELD RD
Supplemental Location:	GLADE ROAD TO WEST WATER STORAGE SITE ON WEST AIRF
Create Date:	14-FEB-18
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	06
County Name:	TARRANT
US/Mexico Border Ind:	

Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070190175
Program Acronyms:

TX-TCEQ ACR:RN109198218

Site: ***JLB CONTRACTING GLADE ROAD ROADWAY IMPROVEMENTS***
ON GLADE RD BW S BOUND SH 360 & CHAMPAGNE BLVD GRAPEVINE TX 76051

FINDS/FRS

Registry ID: 110033920782
FIPS Code: 48439
HUC Code: 12030102
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 02-APR-08
Update Date:
Interest Types: STATE MASTER
SIC Codes: 1611
SIC Code Descriptions: HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS
NAICS Codes:
NAICS Code Descriptions:
Conveyor: TX-TCEQ ACR
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 24
Census Block Code: 484391135193002
EPA Region Code: 06
County Name: TARRANT
US/Mexico Border Ind:
Latitude: 32.88083
Longitude: -97.08667
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110033920782
Program Acronyms:

TX-TCEQ ACR:RN104973862

Site: ***DFW AIRPORT***
W AIRFIELD DR DALLAS TX 75261

HIST RCRA GEN

EPA ID:
Registration Status: INACTIVE
SWR No: 37388
Note: Documents related to facilities in Texas can be searched on TCEQ Records Online Central File Room (CFR): https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH
Basic information, including RN numbers, for facilities in TX can be searched on the TCEQ Central Registry: https://www15.tceq.texas.gov/crpub/
Information about how to use these resources can be found here: https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf
Original Source: Inactive Regulated RCRA Generator Facilities

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Site: ***HYATT BEAR CREEK GOLF COURSE (WO***

W AIRFIELD DR DFW AIRPORT TX 75261

HIST TANK

Facility ID:	0045989	***Owner Street Dsg:***	
Region No:	4	***Owner Post Dir:***	
County Code:	220	***Owner City:***	DALLAS
Owner ID:	NL597	***Owner State:***	TX
Owner Name:	WOODBINE DEVELOPEMENT CORP	***Owner Zip:***	75202
Owner Street No:	1445	***Gender:***	MR
Owner Street Dir:		***Owner Contact:***	MIKE KOESLING
Owner Street Name:	ROSS AVE STE 500	***Owner Last Name:***	KOESLING

Tank Detail Info

Trk No:	M00327030	***Method Filing:***	RDR
Const Type:	REP	***Filing Entity:***	CT
Const Date:	10/14/1999	***Date Data Entered:***	6/9/2000
Contractor No:		***Comment Entered Dt:***	
Notification Status:	after the fact	***Clerk Initials:***	KM
Dt Notif Received:	3/24/2000	***Prefix:***	on
Comments on NOC:			

Site: ***GENERAL ELECTRIC LIGHTING DISTRIBUTION CENTER***
Airfield Drive D/FW Airport, TX 75261 D/FW AIRPORT TX

SPILLS

Incident No:	9776	***Receiving Water:***	Stormwater drainage
Regulated Entity No:	RN102913696	***Incident Type:***	Emergency Response
Incident Status:	Closed	***Disp Status:***	
Incident Priority:	0	***Disp Date:***	1/0/1900
Address:		***Deliver Text 2:***	
Tceq Region:	REGION 04 - DFW METROPLEX	***Nearest City:***	D/FW AIRPORT
County:	DALLAS	***Nature:***	MUNICIPAL
Zip Code:		***Frequency:***	PAST
State:		***No Complaining:***	0
Zip Plus 4 CD:		***Received Date:***	
Latitude:	0	***Start Date:***	10/17/2002
Longitude:	0	***Status Date:***	6/2/2003

Regulated Entity Name: GENERAL ELECTRIC LIGHTING DISTRIBUTION CENTER
Physical Location: Airfield Drive
D/FW Airport, TX 75261
Note:

Spill Detail

Inc #:	9776
Customer:	DANA PRIKYL
Effect:	ENVIRONMEN
Media:	WASTE
Mat Name:	Hydraulic fluid
Spill Amount:	15.00 GALLONS
Spill Class:	003 - Oil Minor <24B/1,000G
Air Txt:	Delivery truck
Comments:	

GE Lighting and DFW Airport conducted response. No further information available at this time.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 26, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 26, 2020

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jun 26, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: May 22, 2020

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: May 22, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jul 27, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jul 27, 2020

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jul 27, 2020

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jul 27, 2020

RCRA Conditionally Exempt and Very Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jul 27, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jul 27, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: May 22, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 26, 2020

State

State Superfund Registry: SHWS

List of sites identified or evaluated by the Texas Commission on Environmental Quality (TCEQ) which may constitute an imminent and substantial endangerment to public health and safety or to the environment due to a release or threatened release of hazardous substances into the environment. The TCEQ updates the state Superfund sites list in accordance with the Texas Health and Safety Code (THSC). This database is state equivalent NPL.

Government Publication Date: Oct 29, 2019

Delisted State Superfund Registry List: DSHW

This database contains a list of closed hazardous substance release sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Jul 13, 2020

Permitted Solid Waste Facilities: SWF/LF

List of active, inactive, and post-closure Municipal Solid Waste landfills and processing facilities with issued permits and authorizations, as well as pending, withdrawn, or denied applications registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 330.

Government Publication Date: Aug 13, 2020

Closed Landfill Inventory: CLI

Inventory of permitted and unauthorized closed or abandoned municipal solid waste landfills throughout Texas compiled by the Texas Commission on Environmental Quality (TCEQ), in collaboration with regional Councils of Government (COG).

Government Publication Date: Jan 1, 1999

Houston-Galveston Closed Landfill Inventory: HGAC CLI

List of closed and abandoned landfill sites which fall under the Houston Galveston Area Council of Government. Texas Councils of Governments (COGs) are required to maintain an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Government Publication Date: Oct 7, 2019

AACOG Closed Landfill Inventory: AACOG CLI

A list of permitted and unpermitted closed landfill sites made available by the Alamo Area Council of Governments (AACOG). Alamo Area Council of Governments (AACOG) is requested to maintain an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Government Publication Date: Feb 6, 2020

Industrial and Hazardous Waste Sites with Corrective Actions: IHW CORR ACTION

List of Industrial and Hazardous Waste sites with Corrective Actions made available by the Texas Commission of Environmental Quality (TCEQ). The mission of the industrial and hazardous waste (IHW) corrective action program is to oversee the cleanup of sites contaminated from industrial and municipal hazardous and industrial nonhazardous wastes.

Government Publication Date: Aug 21, 2020

Industrial and Hazardous Waste - Receivers: IHW RECEIVER

List of active, inactive, and post-closure Industrial and Hazardous Waste Receiver Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

Government Publication Date: Mar 16, 2020

Leaking Petroleum Storage Tank Database: LPST

List of cleanup sites where contamination was caused by spills, leaks, or other releases of petroleum or hazardous substances from underground and/or aboveground storage tanks regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Sep 4, 2020

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Sep 4, 2020

Underground Petroleum Storage Tanks: UST

List of facilities that have one or more Underground Storage Tank (UST)s registered and regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Aug 12, 2020

Aboveground Storage Tanks: AST

List of facilities that have one or more Aboveground Storage Tank (AST)s registered and regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Aug 12, 2020

Petroleum Storage Tanks Database: PST

List of facilities included on the list of tank facilities made available by the Texas Commission on Environmental Quality (TCEQ) that have no association as either underground or aboveground tanks.

Government Publication Date: May 12, 2020

Historical Tank Construction Notification: HIST TANK

A list of facilities with historic petroleum storage tank construction notification activity made available by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 12, 2020

Austin Underground Storage Tanks: UST AUSTIN

A list of underground gas storage tanks both current and historical from the City of Austin Open Data Portal. Data provided by Planning and Zoning, City of Austin.

Government Publication Date: Jul 5, 2020

Delisted Storage Tanks: DTNK

This database contains a list of storage tank sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Aug 12, 2020

Sites with Controls: AUL

Sites under several Texas Commission on Environmental Quality (TCEQ) remediation programs which have institutional or engineering controls.

Government Publication Date: Jun 22, 2020

Voluntary Cleanup Program: VCP

List of sites which have participated or are currently participating in the Voluntary Cleanup Program (VCP) administered by the Texas Commission on Environmental Quality (TCEQ). The VCP provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Government Publication Date: Jul 14, 2020

Texas Railroad Commission Voluntary Cleanup Program: VCP RRC

List of facilities which have participated in or are currently participating in the Voluntary Cleanup Program (VCP) operated by the Railroad Commission of Texas (RRC). The RRC VCP provides an incentive to remediate Oil & Gas related pollution.

Government Publication Date: Nov 14, 2019

Operator Cleanup Program: OP CLEANUP

A list of sites in the Texas Railroad Commission (RRC)'s Operator Cleanup Program (OCP). The OCP, under the Site Remediation Section, is tasked with oversight of complex pollution cleanups performed by the oil and gas industry. Complex sites include those that occur in sensitive environmental areas as defined by 16 TAC3.91 (SWR 91) and may require site specific cleanup levels based on risk. When cleanup activities are successfully completed by the operator, Commission staff may issue a "No Further Action" letter acknowledging completion.

Government Publication Date: Jul 13, 2020

Innocent Owner/Operator Program: IOP

A list of sites in the Innocent Owner/Operator Program (IOP) made available by Texas Commission of Environmental Quality (TCEQ) . IOP provides certificates to innocent owners or operators whom their properties are contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Government Publication Date: Jul 10, 2020

Brownfields Site Assessments Database: BROWNFIELDS

Former industrial properties which lie dormant or underutilized due to liability associated with real or perceived contamination are broadly referred to as brownfields. The Texas Commission on Environmental Quality (TCEQ), in close partnership with other federal, state, and local stakeholders, facilitates the cleanup, transferability, and revitalization of brownfields.

Government Publication Date: Jul 1, 2020

Texas Railroad Commission Brownfields: BROWN RRC

List of sites which have participated or are currently participating in the Railroad Commission of Texas (RRC) Brownfields Response Program (BRP). The RRC BRP provides technical and financial support for redevelopment of abandoned oil and gas sites.

Government Publication Date: Nov 14, 2019

Municipal Setting Designation: MSD

Municipal Setting Designations (MSD) list is maintained by Texas Commission on Environmental Quality (TCEQ). An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

Government Publication Date: Aug 21, 2020

Tribal

Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands: INDIAN LUST

Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 6, which include Texas. There are no LUST records in Texas at this time.

Government Publication Date: Oct 6, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

Listing of underground storage tanks (USTs) on Tribal/Indian Lands in EPA Region 6, which includes Texas.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Jul 7, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 25, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Mar 19, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Jul 29, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Oct 31, 2019

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 1, 2020

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jun 22, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Dry Cleaner Remediation Program Prioritization List: PRIORITY CLEAN

The Texas Commission on Environmental Quality (TCEQ) implements environmental standards for dry cleaners. The Dry Cleaner Remediation Program (DCRP) establishes a prioritization list of dry cleaner sites and administers the Dry Cleaning Remediation fund to assist with remediation of contamination caused by dry cleaning solvents. Includes prioritized sites identified under the DCRP, as well as sites closed under the DCRP.

Government Publication Date: Mar 3, 2020

Registered Dry Cleaning Facilities: DRYCLEANERS

The Texas Commission of Environment Quality (TCEQ) maintains a statewide registration list of current dry cleaners.

Government Publication Date: Jul 14, 2020

Delisted Drycleaning Facility List: DELISTED DRYCLEANERS

A list of sites which were have been removed from the list of dry cleaning facilities registered with the Texas Commission of Environment Quality (TCEQ). Sites are removed when they are no longer used as dry cleaning facilities.

Government Publication Date: Jul 14, 2020

Groundwater Contamination Cases: GWCC

List of sites present in the TCEQ Groundwater Contamination Viewer, which represent groundwater contamination cases in Texas as per TCEQ publication SFR-056 (current and some previous years). The Joint Groundwater Monitoring and Contamination Report (SFR-056) was designed and produced by the Texas Groundwater Protection Committee in fulfillment of requirements given in Section 26.406 of the Texas Water Code. The information does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

Government Publication Date: Jun 9, 2020

Affected Property Assessment Reports: APAR

List of sites for which an Affected Property Assessment Report has been submitted to the Texas Commission on Environmental Quality (TCEQ). An APAR is required when a person is addressing a release of COCs under 30 TAC Chapter 350, the Texas Risk Reduction Program (TRRP). The purpose of the APAR is to document all relevant affected property information to identify all release sources and chemicals of concern (COCs), determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary.

Government Publication Date: May 15, 2020

Spills Database: SPILLS

List of Spills reported to Emergency Response Division of the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 13, 2020

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of sites from the Central Registry and ARTS databases where Per- and Polyfluoroalkyl substances (PFAS) containing materials may be of concern. This list is made available by the Remediation Division of the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: Jul 22, 2020

Notice of Violation: NOV

List of sites that have been sent a Notice of Violation (NOV) by the Texas Commission on Environmental Quality (TCEQ) Office of Compliance and Enforcement. A Notice of Violation is sent out when a site falls out of compliance and has a prescribed time period to return to compliance.

Government Publication Date: Mar 18, 2019

Environmental Liens Listing: LIENS

List of sites/facilities against which the Texas Commission on Environmental Quality (TCEQ) has placed liens to recover cleanup costs associated with Federal or State Superfund cleanup activities.

Government Publication Date: Jun 22, 2020

Inactive Regulated RCRA Generator Facilities: HIST RCRA GEN

A list of facilities which were once registered as generators of hazardous waste, but are no longer active or no longer require registration. The U.S. Environmental Protection Agency (EPA) requires the Texas Commission on Environmental Quality (TCEQ) to investigate hazardous waste generators. If an unregistered/inactive industrial site generates less than 220 pounds of hazardous or Class 1 industrial waste, it does not have to notify or report to the TCEQ.

Government Publication Date: Jan 27, 2020

Recycle Texas Online Program: RTOL

A list of recycling facilities under the Recycle Texas Online service/program made available by the Texas Commission of Environmental Quality (TCEQ). This program allowed facilities to self-report and post their own company/facility information. This program is no longer maintained and these data will not be updated.

Government Publication Date: Oct 10, 2011

Underground Injection Control: UIC

List of underground injection control (UIC) permits in the Texas Commission on Environmental Quality (TCEQ) Central Registry database. Includes Class I, Class III, Class IV, Class 5, and non permitted UICs; does not include injection wells regulated by the Railroad Commission of Texas.

Government Publication Date: Feb 10, 2020

Industrial and Hazardous Waste - Generators: IHW GENERATOR

List of active, inactive, and post-closure Industrial and Hazardous Waste Generator Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

Government Publication Date: Mar 16, 2020

Industrial and Hazardous Waste - Transporters: IHW TRANSPORT

List of active, inactive, and post-closure Industrial and Hazardous Waste Transporter Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

Government Publication Date: Mar 16, 2020

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Groundwater Monitoring Report for LPST #118951

0000-0000-0037-0032

Document Control Sheet

Sheet Title:	LPST - OLS
Box ID:	10741
Control Sheet ID:	0000-0000-0037-0032
Record Series Name:	WST / Leaking Petroleum Storage Tank
Record Series:	LPST
Primary ID:	118951
Secondary ID:	
Doc Type:	Documents Incoming
Security:	Public
Date:	7/30/2019 12:00AM
Title:	Groundwater Monitoring Report
Tertiary ID	

LPST_118951_IN_20190730_GROUNDWATER MONITORING REPORT

Remediation Division Correspondence Identification Form

SITE & PROGRAM AREA IDENTIFICATION

SITE LOCATION				REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name:	7-Eleven, Inc. Store No. 26342			Is This Site Being Managed Under A State Lead Contract? ☐ Yes ☑ No	
Address 1:	101 E. Glade Road			Program Area:	LEAKING PETROLEUM STORAGE TANK
Address 2:				Mail Code:	MC-137
City:	Euless	State:	Texas	Is This A New Site To This Program Area? ☐ Yes ☑ No	
Zip Code:	76039	County:	Tarrant	LPST No.:	118951
TCEQ Region:	Region 4 - Dallas/Fort Worth			FACILITY ID No.:	9224

RECEIVED
SEP 03 2019
TCEQ
CENTRAL FILE ROOM

DOCUMENT(S) IDENTIFICATION

	PHASE OF REMEDIATION	DOCUMENT NAME
1.	REMEDIATION	GROUNDWATER MONITORING REPORT
2.	REMEDIATION	~~SITE CLOSURE REQUEST~~
3.		
4.		
5.		

CONTACT INFORMATION

I attest that all work has been conducted in accordance with accepted industry standards/practices and adhered to TCEQ guidance and rules. I certify that I am aware that misrepresentation of any of the above claims is a violation of 30 TAC 334.453(b)(1)(E) and that this violation may result in the disciplinary actions set forth in 30 TAC 334.453 and or 334.463 and 334.465.

RESPONSIBLE PARTY/APPLICANT/CUSTOMER

Name:	Jennifer C. Dart, P.G. (on behalf of 7-Eleven Inc.)				
Company:	Aptim Environmental & Infrastructure, LLC (APTIM)	Phone Number:	972-773-8409	Fax Number:	972-773-8401
Address 1:	12005 Ford Rd., Suite 600	City:	Dallas	State: Texas	Zip Code: 75234
Address 2:		Email Address:	[redacted]		

ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

CAPM:	Leigh Grover, P.G.			CAPM Reg No.:	LPST PM No. 0000125
Company:	APTIM	Phone Number:	972-773-8417	Fax Number:	972-773-8401
Address 1:	12005 Ford Rd., Suite 600	City:	Dallas	State: Texas	Zip Code: 75234
Address 2:		Email Address:	[redacted]		
RCAS:	Amandeep Kang, P.E.			RCAS Reg No.:	00842
Company:	APTIM	Phone Number:	972-773-8428	Fax Number:	972-773-8401
		Email Address:	[redacted]		

SIGNATURES

Responsible Party	Date	Project Manager	Date	RCAS	Date
	7/30/19		8/30/19		7/30/19

Received
AUG 01 2019
TCEQ
Remediation Division

TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.	GMR	4.	
2.	SCR	5.	
3.			

APTIM
12005 Ford Road, Suite 600
Dallas, Texas 75234
Tel: +1 972 773 8400
Fax: +1 972 773 8401
www.APTIM.com

July 22, 2019

Mr. Ryan Kraft
Texas Commission on Environmental Quality
Remediation Program
PST/DCRP Section, MC-137
12100 Park 35 Circle
Austin, TX 78753

Subject: **Groundwater Monitoring Report and Site Closure Request**
7-Eleven, Inc. Store No. 26342
101. E Glade Road
Euless, Texas 76039
LPST No. 118951, Facility No. 9224
Priority 4.1, Category II

Dear Mr. Kraft:

On behalf of 7-Eleven, Inc. (7-Eleven), Aptim Environmental & Infrastructure, LLC (APTIM) is pleased to submit this Groundwater Monitoring Report (GMR) documenting the monitoring events of December 27, 2018 and March 28, 2019.

Intermittent and minimal phase-separated hydrocarbon (PSH) was observed during the monitoring period in MW-3. No PSH was observed in the most down-gradient on-site well, MW-8, during the monitoring period. In addition, the off-site well, MW-7, exhibited concentrations of chemicals of concern below laboratory detection limits. APTIM has removed the PSH at the site to the maximum extent practicable.

Based on the stable to declining dissolved plume and diminished PSH presence at the site, APTIM recommends no further action be required at the site. A Site Closure Request is included as an attachment to the GMR.

Sincerely,

on behalf of

Amanda Allen
Scientist

Alexander Mebrahtu
Project Manager

Please Reply To: Alexander Mebrahtu
Phone: 972-773-8433
E-Mail Address [redacted]

Distribution:
TCEQ Austin (1 copy)
TCEQ Region 4 (1 copy)
APTIM File (1 copy)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PETROLEUM STORAGE TANK PROGRAM
GROUNDWATER MONITORING REPORT

Number of groundwater monitoring events documented in this report: ☐ 1 ☑ 2 ☐ 3 ☐ 4

Reporting Period: 12/27/18 **to** 03/28/19 **Date:** 07/26/19

GENERAL INFORMATION				
LPST ID No.: 118951		Facility ID No.: 9224		
Facility Name: 7-Eleven, Inc. Store No. 26342			Facility County: Tarrant	
Facility Address / City: 101 E. Glade Road, Euless, Texas 76039				
TCEQ Project Manager: Ryan Kraft			TCEQ Region: 4 - Dallas/Ft. Worth	
MONITORING WELL STATUS				
Number of existing monitoring wells: Eight				
List of existing monitoring wells: MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8				
List of monitoring wells that have been damaged, lost, or plugged and abandoned: MW-2				
GAUGING EVENT(S)				
QUARTER	**1st**	**2nd**	**3rd**	**4th**
Gauging date(s):	12/27/18	03/28/19		
Depth-to-groundwater range (feet below ground surface):	5.92 to 10.73	6.13 to 11.23		
Groundwater above screened interval in any well? If yes, please list wells and provide explanation in Report Summary.	☐ YES ☑ NO List affected wells:	☐ YES ☑ NO List affected wells:	☐ YES ☑ NO List affected wells:	☐ YES ☑ NO List affected wells:
Groundwater gradient:	0.112 ft./ft. N	0.112 ft./ft. N		
NAPL Present?	☑ YES ☐ NO	☐ YES ☑ NO	☑ YES ☐ NO	☑ YES ☐ NO
SAMPLING EVENT(S)				
Sampling date(s):	12/27/18	03/28/19		
Date samples delivered to laboratory:	12/29/18	3/30/19		
Date of analyses:	12/30/18, 1/2 & 4/19	3/31/19 & 4/1-2/19		
List monitoring wells sampled each quarterly event:				
1st Quarter: MW-1, MW-2R, MW-4, MW-5, MW-6, MW-7, and MW-8				
2nd Quarter: MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8				
3rd Quarter:				
4th Quarter:				

PURGE FLUID DISPOSITION	
Have all purge fluids been properly disposed, treated, or recycled?	☑ YES ☐ NO
If no, specify the status and quantity of purge fluids remaining onsite: On January 14, 2019, a total of 165 gallons of purge water/recovered PSH was removed from the site. On June 14, 2019, a total of 110 gallons of purge water was removed from the site.	

REPORT PREPARATION		
Corrective Action Project Manager: Leigh Grover, P.G.		
Company: Aptim Environmental & Infrastructure, LLC		
CAPM No.: LPST PM 0000125	Expiration Date:	02/28/2020
Phone No.: (972) 773-8417	Fax No.: (972) 773-8401	
Email Address: [redacted]		
Signature:	Date: 07/30/19	
Corrective Action Specialist: Amandeep Kang, P.E.		
Company: Aptim Environmental & Infrastructure, LLC		
CAS No.: 00842	Expiration Date:	08/28/2020
Phone No.: (972) 773-8428	Fax No.: (972) 773-8401	
Email Address: [redacted]		
Signature:	Date: 7/30/19	
Responsible Party: Jennifer C. Dart, P.G. (on behalf of 7-Eleven, Inc.)		
Phone No.: (972) 773-8409	Fax No.: (972) 773-8401	
Email Address: [redacted]		
Signature:	Date: 7/30/19	

STATE OF TEXAS
LEIGH A. GROVER
GEOLOGY
1429
LICENSED
PROFESSIONAL GEOSCIENTIST

By the affixed seal, I acknowledge that I have reviewed and approve of all of the geology related appendices/attachments to this document.

Signature: _____ Date: 07/30/19
Firm: 50431

APTIM

GROUNDWATER MONITORING REPORT
LPST ID No. 118951
FACILITY ID No. 9224

7-ELEVEN, INC. STORE NO. 26342
101 E. GLADE ROAD
EULESS, TARRANT COUNTY, TEXAS 76039

July 2019

Prepared for:

7-Eleven, Inc.
P.O. Box 711
Dallas, Texas 75221-0711

Prepared by:

Aptim Environmental & Infrastructure, LLC
RCAS 00842
12005 Ford Road, Suite 600
Dallas, Texas 75234

Project Manager – Alexander Mebrahtu
Senior Project Manager/Reviewer – Jennifer Dart, P.G.

CONTENTS

FIGURES

TABLES

APPENDICES

1.0 ASSESSMENT AND DISPOSITION

1.1 Groundwater Assessment

Aptim Environmental and Infrastructure, LLC (APTIM), completed two quarters of groundwater monitoring events at 7-Eleven, Inc. Store No. 26342 (Site) during the monitoring period from October 2018 through March 2019. Site-related monitoring wells MW-1, MW-2R, MW-4, MW-5, MW-6, MW-7, and MW-8 were gauged and sampled during both sampling events. Due to the presence of Phase-Separated Hydrocarbon (PSH), MW-3 was sampled only once. All groundwater samples were collected in accordance with Texas Commission on Environmental Quality (TCEQ) sampling guidelines. Gauging was conducted on an approximate monthly basis to facilitate continued PSH removal and to aid in the evaluation of the next step to effectively address the presence of PSH.

The groundwater samples were submitted for the analysis of benzene, toluene, ethylbenzene, xylenes, and methyl tertiary-butyl ether (BTEX/MTBE) utilizing EPA Method 8260, and Total Petroleum Hydrocarbons (TPH) utilizing TCEQ Method TX1005. Of these wells that were sampled, maximum dissolved-phase concentrations for the monitoring period were as follows: 3.01 milligrams per liter (mg/L) of benzene (MW-8 on 12/27/2018), 0.0569 mg/L of toluene (MW-8 on 12/27/2018), 1.13 mg/L of ethylbenzene (MW-8 on 12/27/2018), 1.52 mg/L of total xylenes (MW-8 on 12/27/2018), and 0.147 mg/L of MTBE (MW-6 on 03/28/2019). **Figures 2A** and **2B** illustrate the dissolved-phase hydrocarbon distribution for the monitoring period. Laboratory analytical results are summarized in **Tables 1A** and **1B**. Quality Assurance/Quality Control (QA/QC) procedures are detailed in **Section 4.0**. Laboratory reports, along with the chains-of-custody, laboratory QA/QC documents and an independent QA/QC review of the laboratory package are included in **Appendix A**.

During the course of the monitoring period, the on-site depth to groundwater ranged from 5.33 (MW-1 on 10/31/2018) feet below top of casing (BTOC) to 11.26 (MW-2R on 02/22/2019) feet BTOC with the groundwater consistently flowing toward the north-northeast with an average gradient of 0.112 ft./ft. During the monitoring period, PSH was detected in MW-3 ranging in thickness from non-detect (various dates) to 0.03 feet (12/27/2018). **Figures 3A** and **3B** illustrate the groundwater gradient for each gauging event conducted during sampling activities and **Table 2** contains groundwater elevations measured since June 2012.

1.2 Groundwater Quality

As previously reported in the Assessment Report Form dated November 12, 2013, a groundwater sample was collected from MW-1 on June 7, 2012, and analyzed for Total Dissolved Solids (TDS) through EPA Method 160.1 to determine water quality. Results of the analysis indicated a TDS concentration of 200 mg/L.

1.3 Waste Management and Disposition

All purge water generated from groundwater monitoring activities was contained onsite in DOT-approved 55-gallon steel drums. On January 14, 2019, a total of 165 gallons of purge water was removed from the site by TAS Environmental Services L.P. (TAS). On June 14, 2019, a total of 110 gallons of purge water was removed from the site by TAS. Upon removal, TAS transported the water to their Dallas, Texas facility for recycling. **Appendix B** contains a copy of the waste disposal record. One 55-gallon drum containing purge water and recovered PSH is stored on-site pending vac-truck removal and transport to TAS's recycling facility.

2.0 CHRONOLOGY OF EVENTS

The site chronology detailing all site related activities from August 2009 to October 2018 has been recorded and submitted in consecutive annual Groundwater Monitoring Reports (GMRs) to the TCEQ.

11/28/18	Gauged Wells and checked skimmer in MW-3, PSH found in MW-3 with thicknesses of 0.01 feet. Recovered 0.001 gallons of PSH collected in the skimmer.
11/29/18	Per TCEQ request, APTIM installed one well, MW-8, on the northeast corner of the site.
12/17/18	APTIM submitted GMR to TCEQ documenting the monitoring events of December 28, 2017, March 16, 2018, June 27, 2018, and September 26, 2018.
12/27/18	Gauged Wells and PSH found in MW-3 with thicknesses of 0.03 feet. Recovered 0.01 gallons of PSH. Conducted the 26th groundwater monitoring event and collected samples from MW-1, MW-2R, and MW-4 through MW-8.
01/04/19	AET removed two soil drums generated during monitoring well installation activities for disposal from the site.
01/14/19	TAS removed approximately 165 gallons of purge/decontamination liquid generated during PSH recovery and groundwater monitoring events from the site and transported it to their Dallas, Texas facility for recycling.
01/31/19	Gauged Wells and checked skimmer in MW-3, no PSH was encountered in wells or recovered from the skimmer.
02/22/19	Gauged Wells and checked skimmer in MW-3, PSH found in MW-3 with thicknesses of 0.01 feet. Recovered 0.001 gallons of PSH.
02/27/19	APTIM submitted FAR to TCEQ documenting the monitoring well installation activities.
03/28/19	Gauged Wells and checked skimmer in MW-3, no PSH was encountered in wells or recovered from the skimmer. Conducted the 27th groundwater monitoring event and collected samples from MW-1, MW-2R, and MW-3 through MW-8.
04/16/19	APTIM received a response letter from TCEQ regarding the GMR submitted on December 17, 2018. TCEQ indicated the report was accepted as submitted. TCEQ approved the proposed two quarters of groundwater monitoring events.
04/26/19	Gauged Wells and checked skimmer in MW-3, no PSH was encountered in wells or recovered from the skimmer.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the previous information, APTIM concludes the following for 7-Eleven, Inc. Store No. 26342 located at 101. E. Glade Road, Euless, Tarrant County, Texas 76039.

- As referenced in previously submitted documentation, the site is an active retail petroleum facility. The affected zone is defined as Category II, with a TDS concentration of less than 3,000 ppm, and no beneficial groundwater use identified within 0.5 miles of the site. A municipal water supply (City of Euless) is available.

- Groundwater flow at the site is toward the north at a gradient of 0.112 ft/ft.

- Over the course of the monitoring period, MW-1, MW-2R, MW-5, MW-6, and MW-7 exhibited dissolved phase concentrations below Category II Target Cleanup Levels. MW-3 MW-4, and MW-8 exhibited benzene concentrations above the Category II Target Cleanup Level. Analytical results indicate a stable to declining benzene concentration. Analytical results also indicate all concentrations below Construction Worker Protection levels.

- Intermittent and minimal PSH was observed during the monitoring period in MW-3. No PSH was observed in the most down-gradient on-site well, MW-8, during the monitoring period. In addition, the off-site well, MW-7, exhibited concentrations of chemicals of concern below laboratory detection limits. APTIM has removed the PSH at the Site to the extent practicable.

Based on the declining dissolved plume and diminished PSH presence at the Site, APTIM recommends no further action at the Site.

4.0 QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

4.1 Sampling Procedures

Before groundwater samples were collected, each monitoring well was manually purged of three well volumes or until dry using a cleaned 3.5-inch or 1.5-inch diameter polyvinyl chloride (PVC) bailer. This evacuation procedure allows representative groundwater to enter the well. Groundwater samples were collected utilizing a pre-cleaned, factory-sealed disposable PVC bailer and submitted for the analysis of BTEX/MTBE and TPH. The samples were also submitted for analysis of polycyclic aromatic hydrocarbons (PAH) utilizing EPA Method 8270C, with the lab instructed to analyze the sample with the highest detection of TPH in the C_{12}-C_{28} range, including J-flagged results. The samples collected for BTEX/MTBE and TPH analysis were placed in pre-cleaned laboratory-provided 40-milliliter glass vials with Teflon-lined lids. The containers were filled completely, leaving no headspace, and acidified to a pH of less than two with hydrochloric acid. All groundwater samples were stored on ice and shipped with chain-of-custody to TestAmerica Laboratories, Inc. in Nashville, Tennessee.

All reusable equipment was thoroughly cleaned with an Alconox® wash and rinsed with distilled water between each well.

4.2 Laboratory Protocol

The Texas Commission on Environmental Quality (TCEQ) authorizes the use of TCEQ Method TX1005 for Total Petroleum Hydrocarbons analysis for water samples. Samples must be analyzed within 14 days from collection. Method TX1005 extraction involves the use of n-pentane for water samples. A portion is then analyzed through a gas chromatographic method using a flame ionization detector (GC-FID). Hydrocarbon constituents are speciated (broken down into carbon ranges) using this method. The Method Quantitation Limit (MQL) for this analysis is 0.900 mg/L for 2017 and 2018 groundwater samples.

BTEX/MTBE analysis must be conducted within 14 days of sample collection. This analysis for water samples, Modified EPA Method 5030/8260, uses a purge-and-trap extraction accompanied by gas chromatography coupled with dual photoionization detection (GC-PID) and dual column for confirmation.

FIGURES

SITE MAP

Figure 1	Site Layout

CONTAMINANT DISTRIBUTION MAPS

Figure 2A	Sampling Date: 12/27/2018
Figure 2B	Sampling Date: 03/28/2019

GROUNDWATER GRADIENT MAPS

Figure 3A	Gauging Date: 12/27/2018
Figure 3B	Gauging Date: 03/28/2019

LEGEND:

- MONITORING WELL LOCATION
- PLUGGED and ABANDONED MONITORING WELL LOCATION
- POWER POLE
- LIGHT POLE
- STORMWATER MANHOLE
- MANHOLE
- FIRE HYDRANT
- WATER VALVE
- ----W---- WATER LINE
- --- OHU --- OVERHEAD UTILITY LINE

N

SCALE
0 35 70 FEET

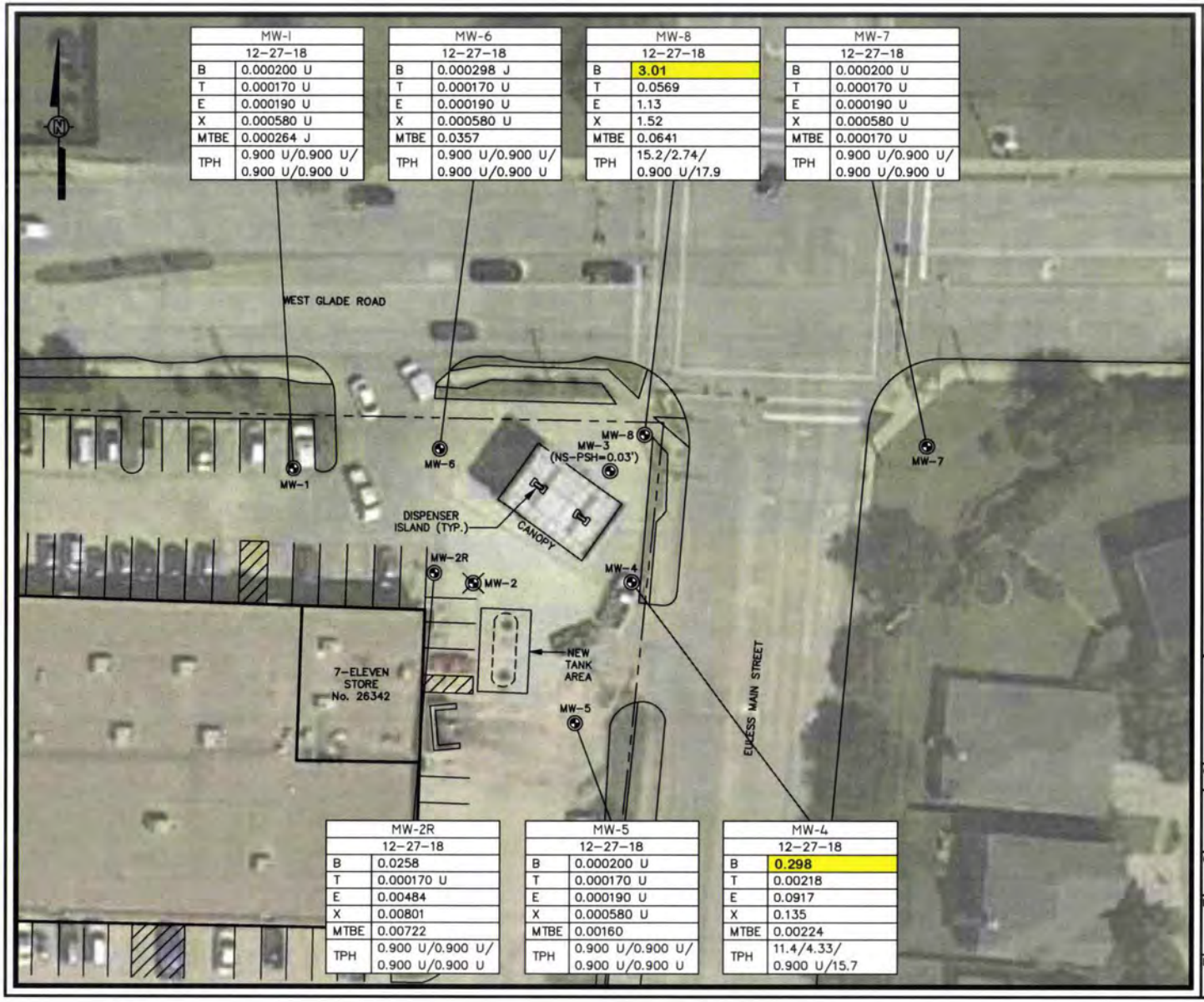
APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC.
12005 FORD ROAD, SUITE 600
DALLAS, TEXAS 75234
(972) 773-8400 OFFICE
(972) 773-8401 FAX

OFFICE:	DATE:	ACAD FILE:
DALLAS	1-24-19	348881.dwg

SITE LAYOUT

CLIENT:	PM:
7-ELEVEN, INC.	AM
LOCATION: 7-ELEVEN STORE No. 26342 101 EAST GLADE ROAD EULESS, TEXAS	CHECKED: AM

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AM	SDJF	153488	1



LEGEND:

- ⊙ MONITORING WELL LOCATION
- ⊗ PLUGGED and ABANDONED MONITORING WELL LOCATION
- B BENZENE CONCENTRATION
- T TOLUENE CONCENTRATION
- E ETHYLBENZENE CONCENTRATION
- X TOTAL XYLENES CONCENTRATION
- MTBE METHYL TERT-BUTYL ETHER CONC.
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION
  - C6-C12/C12-C28/C28-C35/C6-C35
- J DETECTED BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION
- U ANALYTE INCLUDED IN THE ANALYSIS BUT NOT DETECTED AT CONCENTRATIONS GREATER THAN THE SAMPLE DETECTION LIMIT (SDL)
- NS NOT SAMPLED
- **0.298** BOLD and SHADED VALUES INDICATE CONCENTRATIONS ABOVE CATEGORY II TARGET CLEANUP LEVEL

ALL CONCENTRATIONS IN MILLIGRAMS PER LITER (mg/L)

SCALE
0 35 70 FEET

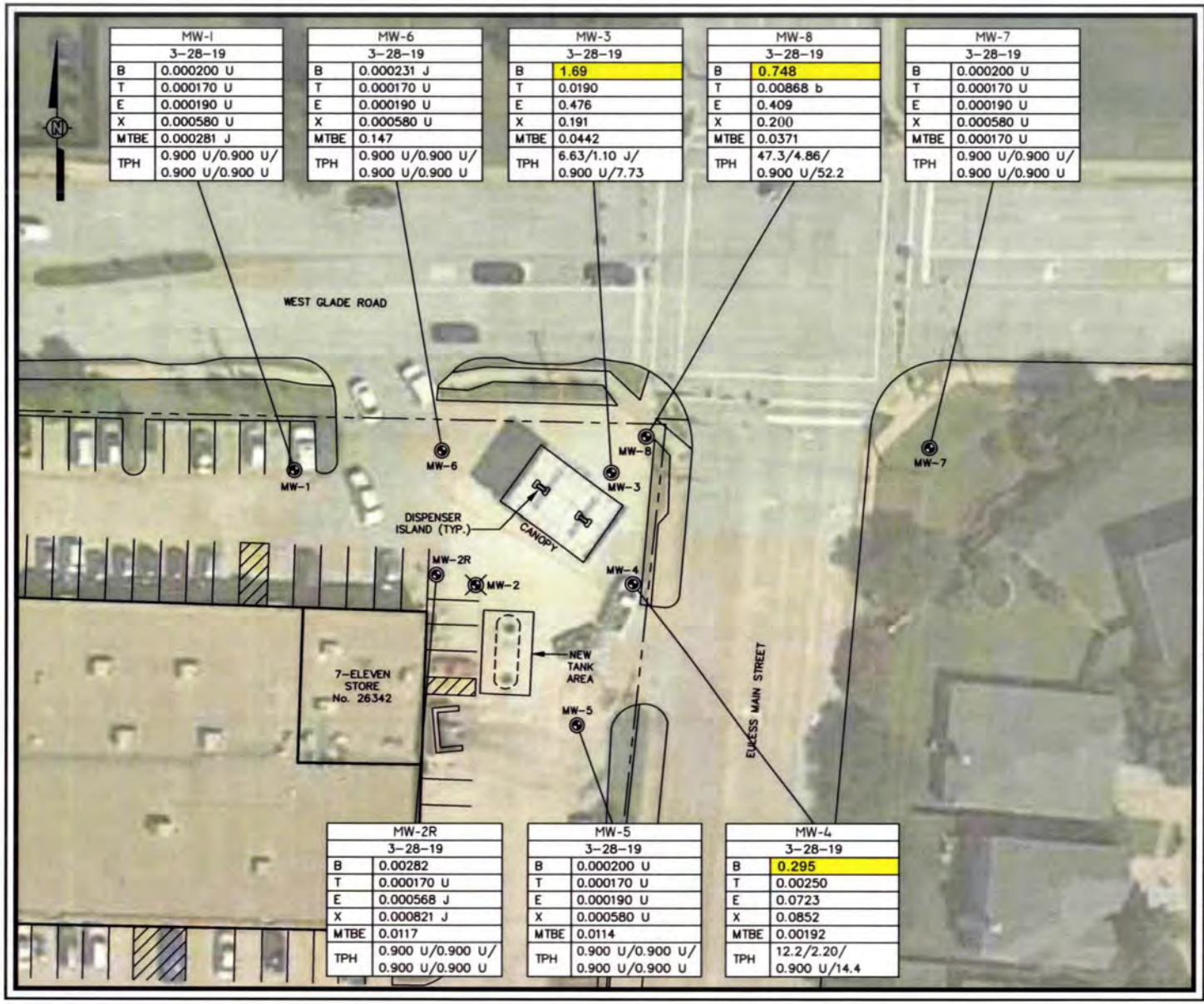
APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC.
12005 FORD ROAD, SUITE 600
DALLAS, TEXAS 75234
(972) 773-8400 OFFICE
(972) 773-8401 FAX

OFFICE:	DATE:	ACAD FILE:
DALLAS	5-20-19	348883.dwg

GROUNDWATER CONTAMINANT CONCENTRATION MAP
SAMPLE DATE: DECEMBER 27, 2018

CLIENT:	PM:
7-ELEVEN, INC.	AM
LOCATION: 7-ELEVEN STORE No. 26342, 101 EAST GLADE ROAD, EULESS, TEXAS	CHECKED: AM

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AA	SDJF	153488	2A



LEGEND:

- ⊕ MONITORING WELL LOCATION
- ⊗ PLUGGED and ABANDONED MONITORING WELL LOCATION
- B BENZENE CONCENTRATION
- T TOLUENE CONCENTRATION
- E ETHYLBENZENE CONCENTRATION
- X TOTAL XYLENES CONCENTRATION
- MTBE METHYL TERT-BUTYL ETHER CONC.
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION
  - C6-C12/C12-C28/C28-C35/C6-C35
- J DETECTED BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION
- U ANALYTE INCLUDED IN THE ANALYSIS BUT NOT DETECTED AT CONCENTRATIONS GREATER THAN THE SAMPLE DETECTION LIMIT (SDL)
- **0.295** BOLD and SHADED VALUES INDICATE CONCENTRATIONS ABOVE CATEGORY II TARGET CLEANUP LEVEL

ALL CONCENTRATIONS IN MILLIGRAMS PER LITER (mg/L)

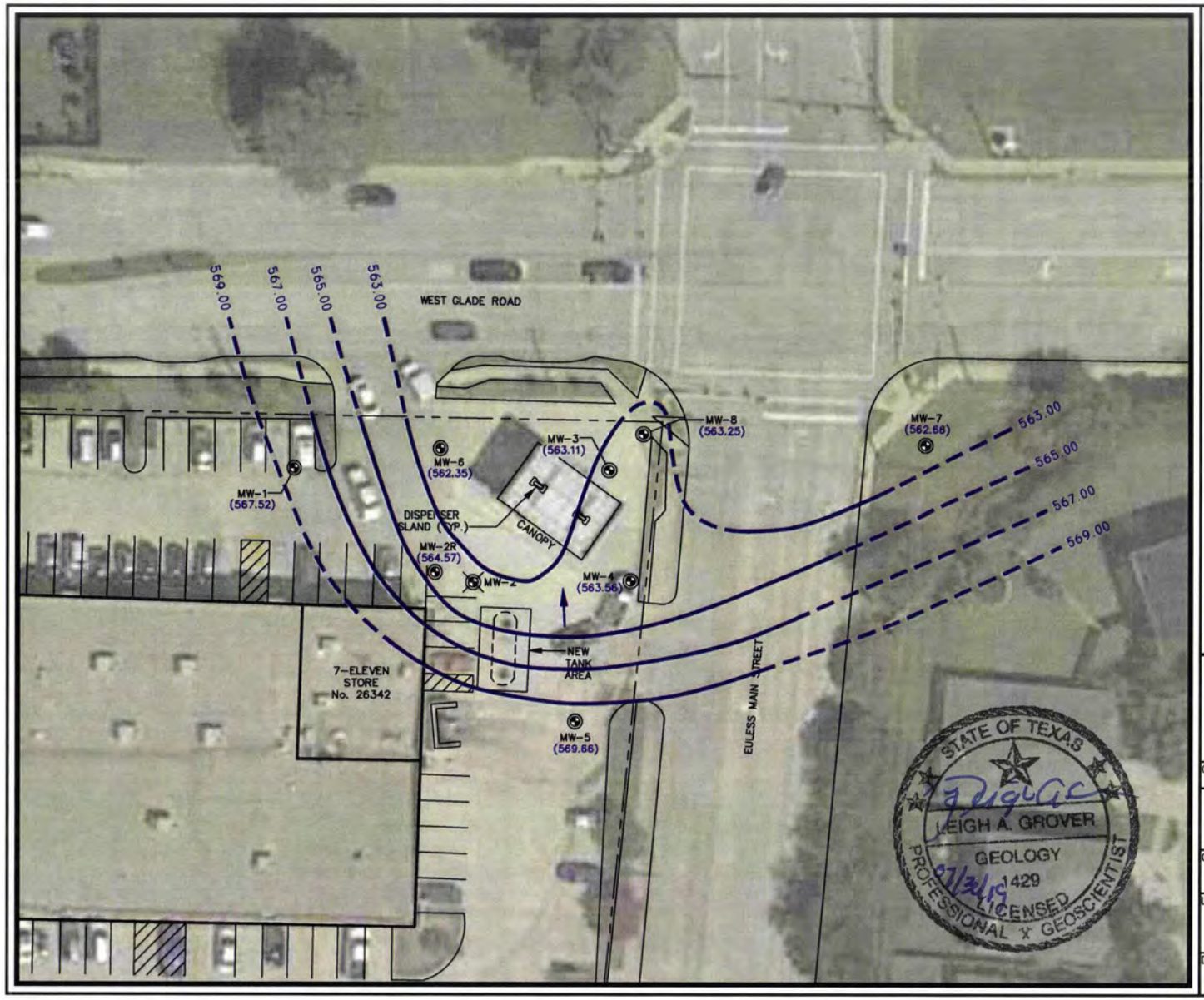
SCALE
0 35 70 FEET

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC.
12005 FORD ROAD, SUITE 600
DALLAS, TEXAS 75234
(972) 773-8400 OFFICE
(972) 773-8401 FAX

OFFICE: DALLAS	DATE: 5-20-19	ACAD FILE: 348884.dwg

GROUNDWATER CONTAMINANT CONCENTRATION MAP
SAMPLE DATE: MARCH 28, 2019

CLIENT: 7-ELEVEN, INC.			PM: AM
LOCATION: 7-ELEVEN STORE No. 26342 101 EAST GLADE ROAD EULESS, TEXAS			CHECKED: AM
DESIGNED: AA	DRAWN: SDJF	PROJECT NO.: 153488	FIGURE: 2B



LEGEND:

- MONITORING WELL LOCATION
- PLUGGED and ABANDONED MONITORING WELL LOCATION
- (562.35) GROUNDWATER ELEVATION (FEET)
- 569.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INTERPRETED GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL = 2.0 FEET

N

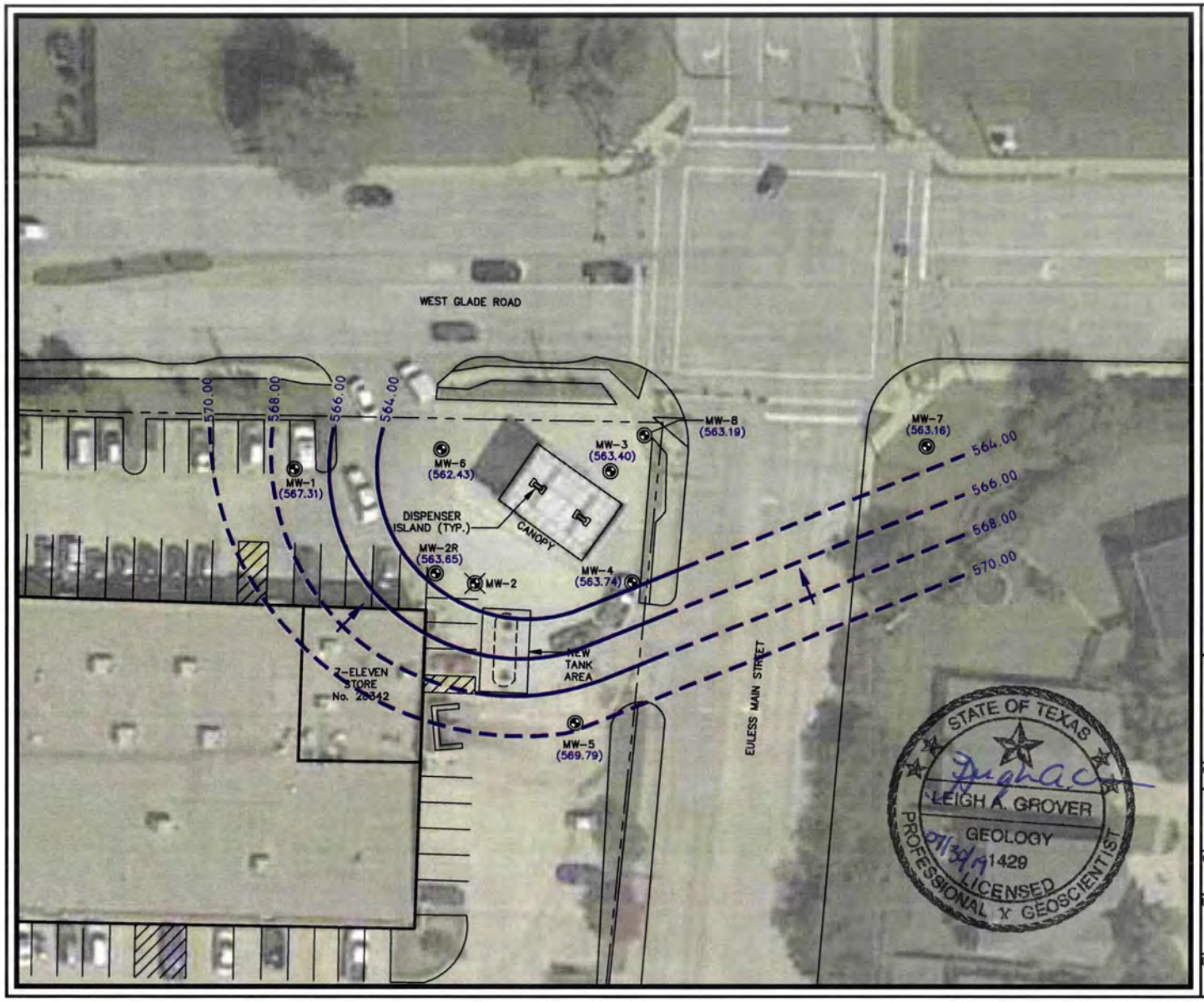
SCALE
0 35 70 FEET

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC.
12005 FORD ROAD, SUITE 600
DALLAS, TEXAS 75234
(972) 773-8400 OFFICE
(972) 773-8401 FAX

OFFICE: DALLAS	DATE: 7-16-19	ACAD FILE: 348882.dwg

GROUNDWATER GRADIENT MAP
GAUGING DATE: DECEMBER 27, 2018

CLIENT:			PM:
7-ELEVEN, INC.			AM
LOCATION: 7-ELEVEN STORE No. 26342 101 EAST GLADE ROAD EULESS, TEXAS			CHECKED: AM
DESIGNED: AM	DRAWN: SDJF	PROJECT NO.: 153488	FIGURE: 3A



LEGEND:

- MONITORING WELL LOCATION
- PLUGGED and ABANDONED MONITORING WELL LOCATION
- (562.43) GROUNDWATER ELEVATION (FEET)
- 570.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INTERPRETED GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL = 2.0 FEET

N

SCALE
0 35 70 FEET

STATE OF TEXAS
LEIGH A. GROVER
GEOLOGY
1429
LICENSED
PROFESSIONAL GEOSCIENTIST
7/31/19

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC.
12005 FORD ROAD, SUITE 600
DALLAS, TEXAS 75234
(972) 773-8400 OFFICE
(972) 773-8401 FAX

OFFICE:	DATE:	ACAD FILE:
DALLAS	7-16-19	348885.dwg

GROUNDWATER GRADIENT MAP
GAUGING DATE: MARCH 28, 2019

CLIENT:		PM:
7-ELEVEN, INC.		AM
LOCATION: 7-ELEVEN STORE No. 26342 101 EAST GLADE ROAD EULESS, TEXAS		CHECKED: AM

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AM	SDJF	153488	3B

TABLES

Table 1A

Cumulative Dissolved Phase Hydrocarbons Analyses
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID Number 118951; Facility ID Number 9224

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	TPH (C6-C12) (mg/L)	TPH (C12-C28) (mg/L)	TPH (C28-C35) (mg/L)	TPH (C6-C35) (mg/L)
Category II Target Cleanup Levels		0.0568	2.92	3.65	10	0.365	--	--	--	--
Target Groundwater Concentration for Construction Worker Exposure		61.2	51.7	32.3	46.6	83.5	--	--	--	--
Observation Monitoring Well Sample										
OMW	11/02/2012	6.6	8.7	2.2	11	0.17 U	28	2.0	0.30 U	30
Monitoring Well Samples										
MW-1	06/07/2012	0.0013	0.00026 U	0.0018	0.00071 U	0.0050	0.56 U	0.86 U	0.86 U	0.56 U
	09/12/2012	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.00081 J	0.55 U	0.70 U	0.70 U	0.55 U
	12/28/2012	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.00065 J	0.55 U	0.70 U	0.70 U	0.55 U
	03/27/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.00059 J	0.54 U	0.69 U	0.69 U	0.54 U
	06/24/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.00067 J	0.56 U	0.72 U	0.72 U	0.56 U
	09/06/2013	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.00054 J	1.1	0.60 U	0.60 U	1.1
	12/12/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.00051 U	0.57 U	0.82 U	0.82 U	0.57 U
	03/10/2014	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.00034 U	0.60 U	0.60 U	0.60 U	0.60 U
	06/11/2014	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.00043 J	0.60 U	0.60 U	0.60 U	0.60 U
	09/02/2014	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.00040 J	0.60 U	0.60 U	0.60 U	0.60 U
	12/17/2014	0.00028 J	0.00033 J	0.00016 U	0.00051 U	0.00036 J	0.60 U	0.60 U	0.60 U	0.60 U
	03/12/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U	0.775 U	0.775 U	0.900 U
	06/11/2015	0.000360 U	0.000330 U	0.000370 U	0.00125 J	0.000460 U	0.900 U	0.775 U	0.775 U	0.900 U
	09/09/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000836 J	0.900 U	0.900 U*	0.900 U	0.900 U
	12/16/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000464 J	0.900 U	0.900 U	0.900 U	0.900 U
	03/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U	0.900 U	0.900 U	0.900 U
	06/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U	0.900 U	0.900 U	0.900 U
	12/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000337 J	0.900 U	0.900 U	0.900 U	0.900 U
	06/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000466 J	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U *	0.900 U	0.900 U	0.900 U
	12/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000383 J	0.900 U *	0.900 U	0.900 U	0.900 U
	03/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U	0.900 U	0.900 U	0.900 U
	06/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000288 J	0.900 U	0.900 U	0.900 U	0.900 U
	09/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U	0.900 U	0.900 U	0.900 U
	12/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000264 J	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2019	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000281 J	0.900 U *	0.900 U	0.900 U	0.900 U
MW-2	06/07/2012	0.396	0.104	0.0369	0.361	0.0685	1.49 J	0.90 U	0.90 U	1.49 J
	09/12/2012	0.160	0.0300	0.0210	0.0607	0.0791	0.55 U	0.71 U	0.71 U	0.55 U
	12/28/2012	Not Sampled- Well Destroyed								
	03/14/2013	Well plugged and abandoned on 03/14/2013.								
MW-2R	03/27/2013	0.0374	0.0077	0.0023	0.0647	0.1680	0.55 U	0.70 U	0.70 U	0.55 U
	06/24/2013	0.0329	0.0026	0.0011	0.0177	0.1450	0.57 U	0.73 U	0.73 U	0.57 U
	09/06/2013	0.012	0.00019 J	0.0013	0.0022	0.16	0.60 U	0.60 U	0.60 U	0.60 U
	12/12/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.0958	0.56 U	0.82 U	0.82 U	0.56 U
	03/10/2014	0.0013	0.00018 U	0.00016 U	0.00051 U	0.093	0.60 U	0.60 U	0.60 U	0.60 U
	06/11/2014	0.0091	0.00018 U	0.0018	0.0020	0.083	0.60 U	0.60 U	0.60 U	0.60 U
	09/02/2014	0.00087	0.00018 U	0.00020 J	0.00051 U	0.060	0.60 U	0.60 U	0.60 U	0.60 U
	12/17/2014	0.0037	0.00018 U	0.00016 U	0.00051 U	0.069	0.60 U	0.60 U	0.60 U	0.60 U
	03/12/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0913	0.900 U	0.775 U	0.775 U	0.900 U
	06/11/2015	0.0141	0.000330 U	0.00648	0.00623	0.0261	0.900 U	0.775 U	0.775 U	0.900 U
	09/09/2015	0.0106	0.000330 U	0.00359	0.000843 J	0.0324	0.900 U	0.900 U*	0.900 U	0.900 U
	12/16/2015	0.00159	0.000330 U	0.000370 U	0.000600 U	0.0349	0.900 U	0.900 U	0.900 U	0.900 U
	03/16/2016	0.0243	0.000330 U	0.00127	0.00476	0.0281	0.900 U	0.900 U	0.900 U	0.900 U
	06/16/2016	0.0062	0.000401 J	0.00119	0.000642 J	0.0358	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2016	0.0437	0.00107	0.0217	0.000600 U	0.0252	0.900 U	0.900 U	0.900 U	0.900 U
	12/16/2016	0.000579 J	0.000330 U	0.000581 J	0.000600 U	0.0579	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2017	0.00177	0.000170 U	0.00109	0.000580 U	0.0254	0.900 U	0.900 U	0.900 U	0.900 U
	06/21/2017	0.00420	0.000170 U	0.00233	0.000580 U	0.0204	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2017	0.00127	0.000170 U	0.000955 J	0.000580 U	0.0159	0.900 U *	0.900 U	0.900 U	0.900 U
	12/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0185	0.900 U *	0.900 U	0.900 U	0.900 U
	03/26/2018	0.000377 J	0.000170 U	0.000190 U	0.000580 U	0.0120	0.900 U	0.900 U	0.900 U	0.900 U
	06/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0204	0.900 U	0.900 U	0.900 U	0.900 U
	09/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0170	0.900 U	0.900 U	0.900 U	0.900 U
	12/27/2018	0.0258	0.000170 U	0.00484	0.00801	0.00722	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2019	0.00282	0.000170 U	0.000568 J	0.000821 J	0.0117	0.900 U *	0.900 U	0.900 U	0.900 U

Table 1A

Cumulative Dissolved Phase Hydrocarbons Analyses
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID Number 118951; Facility ID Number 9224

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	TPH (C6-C12) (mg/L)	TPH (C12-C28) (mg/L)	TPH (C28-C35) (mg/L)	TPH (C6-C35) (mg/L)
Category II Target Cleanup Levels		0.0568	2.92	3.65	10	0.365	--	--	--	--
Target Groundwater Concentration for Construction Worker Exposure		61.2	51.7	32.3	46.6	83.5	--	--	--	--
MW-3	06/07/2012	Not Sampled- PSH (0.23 ft.)								
	09/12/2012	Not Sampled- PSH (1.05 ft.)								
	12/28/2012	Not Sampled- PSH (3.92 ft.)								
	03/27/2013	Not Sampled- PSH (0.51 ft.)								
	06/24/2013	1.84	3.50 [a]	1.85 [a]	8.38 [a]	0.0051 U	104	8.7	0.72 U	113
	09/06/2013	Not Sampled- PSH (0.67 ft.)								
	12/12/2013	Not Sampled- PSH (0.44 ft.)								
	03/10/2014	Not Sampled- PSH (0.19 ft.)								
	06/11/2014	Not Sampled- PSH (0.12 ft.)								
	09/02/2014	Not Sampled- PSH (0.82 ft.)								
	12/17/2014	Not Sampled- PSH (1.04 ft.)								
	03/12/2015	Not Sampled- PSH (0.32 ft.)								
	06/11/2015	Not Sampled- PSH (0.31 ft.)								
	09/09/2015	Not Sampled- PSH (0.16 ft.)								
	1216/2015	Not Sampled- PSH (0.24 ft.)								
	03/16/2016	0.905	0.0559	0.757	1.33	0.106	24.1	5.12	0.900 U	29.2
	06/16/2016	Not Sampled- PSH (sheen)								
	09/21/2016	Not Sampled- PSH (0.15 ft.)								
	12/16/2016	0.141	0.0153	0.223	0.397	0.186	52.5	9.84	0.900 U	62.3
	03/28/2017	Not Sampled- PSH (0.06 ft.)								
	06/21/2017	Not Sampled- PSH (0.05 ft.)								
	09/21/2017	Not Sampled- PSH (0.12 ft.)								
	12/28/2017	Not Sampled- PSH (0.08 ft.)								
	03/26/2018	Not Sampled- PSH (0.01 ft.)								
	06/27/2018	0.378	0.00532	0.219	0.124	0.0218	14.4	1.99	0.900 U	16.4
	09/26/2018	0.235	0.00384 J	0.196	0.124	0.0210	15.4	3.17	0.900 U	18.6
	12/27/2018	Not Sampled- PSH (0.03 ft.)								
	03/28/2019	1.69	0.0190	0.476	0.191	0.0442	6.63	1.10 J	0.900 U	7.73
MW-4	06/07/2012	Not Sampled- PSH (9.99 ft.)								
	09/12/2012	Not Sampled- PSH (3.79 ft.)								
	12/28/2012	Not Sampled- PSH (2.74 ft.)								
	03/27/2013	Not Sampled- PSH (0.02 ft.)								
	06/24/2013	0.395 [a]	0.260 [a]	0.207 [a]	0.559	0.00051 U	14.5	1.46 J	0.72 U	15.9
	09/06/2013	0.63	0.91	0.43	1.5	0.48	20	3.3	0.60 U	23
	12/12/2013	0.319	0.125	0.181	0.625	0.0907	25.1	2.44	0.80 U	27.6
	03/10/2014	Not Sampled- PSH (0.12 ft.)								
	06/11/2014	Not Sampled- PSH (0.23 ft.)								
	09/02/2014	Not Sampled- PSH (0.29 ft.)								
	12/17/2014	Not Sampled- PSH (0.23 ft.)								
	03/12/2015	Not Sampled- PSH (0.05 ft.)								
	06/11/2015	0.796	0.0474	0.303	0.885	0.0667	263	30.7	0.775 U	294
	09/09/2015	Not Sampled- PSH (sheen)								
	12/16/2015	Not Sampled- PSH (sheen)								
	03/16/2016	0.963	0.0555	0.225	0.679	0.0251	9.21	1.18	0.9	10.4
	06/16/2016	Not Sampled- PSH (sheen)								
	09/21/2016	0.954	0.0243 J	0.257	0.696	0.103	37.2	6.06	0.900 U	43.3
	12/16/2016	0.460	0.0118	0.199	0.272	0.155	8.88	1.27 J	0.900 U	10.2
	03/28/2017	0.159	0.00266	0.0820	0.115	0.0123	16.3	5.91	0.900 U	22.2
	06/21/2017	0.285	0.00455	0.116	0.197	0.000170 U	3.32 *	0.900 U *	0.900 U	3.32
	09/21/2017	0.210	0.00279 J	0.0515	0.0921	0.0255	14.1	1.50	0.900 U	15.6
	12/28/2017	0.0899	0.00131	0.0263	0.0820	0.0938	10.2	2.11	0.900 U	12.3
	03/26/2018	0.162	0.00226	0.0392	0.0829	0.00257	5.02	0.900 U	0.900 U	5.02
	06/27/2018	0.183	0.00154	0.0247	0.0746	0.00874	3.74	0.900 U	0.900 U	3.74
	09/26/2018	0.140	0.00159	0.0303	0.0632	0.00805	2.94	0.900 U	0.900 U	2.94
	12/27/2018	0.298	0.00218	0.0917	0.135	0.00224	11.4	4.33	0.900 U	15.7
	03/28/2019	0.295	0.00250	0.0723	0.0852	0.00192	12.2	2.20	0.900 U	14.4

Table 1A

Cumulative Dissolved Phase Hydrocarbons Analyses
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID Number 118951; Facility ID Number 9224

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	TPH (C6-C12) (mg/L)	TPH (C12-C28) (mg/L)	TPH (C28-C35) (mg/L)	TPH (C6-C35) (mg/L)
Category II Target Cleanup Levels		0.0568	2.92	3.65	10	0.365	--	--	--	--
Target Groundwater Concentration for Construction Worker Exposure		61.2	51.7	32.3	46.6	83.5	--	--	--	--
MW-5	06/07/2012	0.00025 U	0.00026 U	0.00025 U	0.00071 U	0.0271	0.57 U	0.88 U	0.88 U	0.57 U
	09/12/2012	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.0977	0.55 U	0.70 U	0.70 U	0.55 U
	12/28/2012	0.00081 J	0.00050 U	0.00052 U	0.0013 U	0.18	0.54 U	0.69 U	0.69 U	0.54 U
	03/27/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.0749	0.54 U	0.69 U	0.69 U	0.54 U
	06/24/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.204 [a]	0.56 U	0.72 U	0.72 U	0.56 U
	09/06/2013	0.00016 U	0.00018 U	0.00016 U	0.00051 U	0.15	0.72 J	0.60 U	0.60 U	0.72 J
	12/12/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.0030	0.56 U	0.82 U	0.82 U	0.56 U
	03/10/2014	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.15	0.60 U	0.60 U	0.60 U	0.60 U
	06/11/2014	0.00019 U	0.00018 U	0.00017 J	0.00051 U	0.0012	0.60 U	0.60 U	0.60 U	0.60 U
	09/02/2014	0.00019 U	0.00018 U	0.00016 U	0.00051 U	0.0062	0.60 U	0.60 U	0.60 U	0.60 U
	12/17/2014	0.00038 J	0.00038 J	0.00016 U	0.00080 J	0.074	0.60 U	0.60 U	0.60 U	0.60 U
	03/12/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0604	0.900 U	0.864 J	0.775 U	0.900 U
	06/11/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0200	0.900 U	0.775 U	0.775 U	0.900 U
	09/09/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0380	0.900 U	0.900 U*	0.900 U	0.900 U
	12/16/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0197	0.900 U	0.900 U	0.900 U	0.900 U
	03/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0154	0.900 U	0.900 U	0.900 U	0.900 U
	06/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0130	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.00275	0.900 U	0.900 U	0.900 U	0.900 U
	12/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.0307	0.900 U	1.05 J	0.900 U	1.05 J
	03/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00450	0.900 U	0.900 U	0.900 U	0.900 U
	06/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00340	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00242	0.900 U *	0.900 U	0.900 U	0.900 U
	12/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.01880	0.900 U *	0.900 U	0.900 U	0.900 U
	03/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00454	0.900 U	0.900 U	0.900 U	0.900 U
	06/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00225	0.900 U	0.900 U	0.900 U	0.900 U
	09/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00362	0.900 U	0.900 U	0.900 U	0.900 U
	12/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00160	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2019	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0114	0.900 U *	0.900 U	0.900 U	0.900 U
MW-6	03/27/2013	0.005	0.00050 U	0.0027	0.0061	0.0360	0.56 U	0.72U	0.72U	0.56 U
	06/24/2103	0.0047	0.0012	0.0053	0.033	0.0273	1.56 J	0.70 U	0.70 U	1.56 J
	09/06/2013	0.0012	0.00018 U	0.0005	0.00051 U	0.034	0.71 J	0.60 U	0.60 U	0.71 J
	12/12/2013	0.00058 U	0.00050 U	0.00052 U	0.0013 U	0.0397	0.57 U	0.83 U	0.83 U	0.57 U
	03/10/2014	0.00061	0.00018 U	0.00016 U	0.00051 U	0.026	0.60 U	0.60 U	0.60 U	0.60 U
	06/11/2014	0.0012	0.00018 U	0.00016 U	0.00051 U	0.011	0.60 U	0.60 U	0.60 U	0.60 U
	09/02/2014	0.00074	0.00018 U	0.00016 U	0.00051 U	0.033	0.60 U	0.60 U	0.60 U	0.60 U
	12/17/2014	0.00066	0.00038 J	0.00037 J	0.0011 J	0.016	0.60 U	0.60 U	0.60 U	0.60 U
	03/12/2015	0.00119	0.000330 U	0.000370 U	0.000810 J	0.0164	0.900 U	0.775 U	0.775 U	0.900 U
	06/11/2015	0.00232	0.000330 U	0.00134	0.000600 U	0.0101	0.900 U	0.775 U	0.775 U	0.900 U
	09/09/2015	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.000460 U	0.900 U	0.900 U*	0.900 U	0.900 U
	12/16/2015	0.000427 J	0.000330 U	0.000479 J	0.000600 U	0.0170	0.900 U	0.900 U	0.900 U	0.900 U
	03/16/2016	0.000399 J	0.000330 U	0.000370 U	0.000600 U	0.0177	0.900 U	0.900 U	0.900 U	0.900 U
	06/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.1900	0.900 U	0.900 U	0.900 U	0.900 U
	09/21/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.1580	0.900 U	0.900 U	0.900 U	0.900 U
	12/16/2016	0.000360 U	0.000330 U	0.000370 U	0.000600 U	0.140	0.900 U	0.933 J	0.900 U	0.933 J
	03/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0490	0.900 U	0.900 U	0.900 U	0.900 U
	06/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0285	0.900 U *	0.900 U *	0.900 U	0.900 U
	09/21/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00367	0.900 U *	0.900 U	0.900 U	0.900 U
	12/28/2017	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.01350	0.900 U *	0.900 U	0.900 U	0.900 U
	03/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00774	0.900 U	0.900 U	0.900 U	0.900 U
	06/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00702	0.900 U	0.900 U	0.900 U	0.900 U
	09/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00841	0.900 U	0.900 U	0.900 U	0.900 U
	12/27/2018	0.000298 J	0.000170 U	0.000190 U	0.000580 U	0.0357	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2019	0.000231 J	0.000170 U	0.000190 U	0.000580 U	0.147	0.900 U *	0.900 U	0.900 U	0.900 U

Table 1A

Cumulative Dissolved Phase Hydrocarbons Analyses
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID Number 118951; Facility ID Number 9224

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	TPH (C6-C12) (mg/L)	TPH (C12-C28) (mg/L)	TPH (C28-C35) (mg/L)	TPH (C6-C35) (mg/L)
Category II Target Cleanup Levels		0.0568	2.92	3.65	10	0.365	--	--	--	--
Target Groundwater Concentration for Construction Worker Exposure		61.2	51.7	32.3	46.6	83.5	--	--	--	--
MW-7	03/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.0204	0.900 U	0.900 U	0.900 U	0.900 U
	06/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U	0.900 U	0.900 U	0.900 U
	09/26/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.00822	0.900 U	0.900 U	0.900 U	0.900 U
	12/27/2018	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U	0.900 U	0.900 U	0.900 U
	03/28/2019	0.000200 U	0.000170 U	0.000190 U	0.000580 U	0.000170 U	0.900 U *	0.900 U	0.900 U	0.900 U
MW-8	12/27/2018	**3.01**	0.0569	1.13	1.52	0.0641	15.2	2.74	0.900 U	17.9
	03/28/2019	**0.748**	0.00868 b	0.409	0.200	0.0371	47.3	4.86	0.900 U	52.2

Note:
Total Dissolved Solids: MW-1, 200 mg/L (06/07/12)
* = LCS or LCSD is outside acceptance/control limits.
J = Detected but below the reported deteciton limit; therefore, result is an estimated concentration.
U = Analyte included in the analysis but not detected at concentrations greater than the minimum detection limit.
BOLD and shaded values indicate concentrations above Category II Target Cleanup Levels.

Table 1B

Cumulative Dissolved Phase Polycyclic Aromatic Hydrocarbons Analyses
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID Number 118951; Facility ID Number 9224

Analyte	Category II Target Cleanup Levels	Target Groundwater Concentrations for Construction Worker Exposure	Sample I.D.															
			OMW	MW-3	MW-4	MW-4	MW-5	MW-4	MW-3	MW-4	MW-3	MW-4	MW-4	MW-4	MW-3	MW-3	MW-4	MW-8
			Date															
	(mg/L)	(mg/L)	11/02/2012	06/24/2013	09/06/2013	12/12/2013	03/12/2015	06/11/2015	03/16/2016	09/23/2016	12/16/2016	03/28/2017	09/21/2017	12/28/2017	06/27/2018	09/26/2018	12/27/2018	03/28/2019
Acenaphthene	2.19	3.04	0.00270	0.0218	0.0069	0.0004	0.0000188 U	0.000862 U	0.000856	0.00121	0.000763	0.000270	0.000318 b	0.000934	0.000476	0.000894	0.000248*	0.00150
Acenaphthylene	2.19	3.04	0.0010	0.00051 U	0.0002	0.000024 U	0.0000282 U	0.000862 U	0.0000500 U	0.0000500 U	0.000232	0.0000463 U	0.0000463 U*	0.0000500 U	0.0000513 U	0.000457	0.0000624 J*	0.000407
Anthracene	11	12.6	0.00020 J	0.0042	0.000042 J	0.000026 J	0.0000282 U	0.000862 U	0.0000773 J	0.0000500 U	0.000110	0.0000463 U	0.0000599 J*	0.0000500 U	0.0000513 U*	0.000647	0.0000479 U*	0.000287
Benz-a-anthracene	0.00117	0.00702	0.00024 U	0.0020	0.000012 U	0.000024 U	0.0000188 U	0.000431 U	0.0000250 U	0.0000250 U	0.0000216 U	0.0000231 U	0.0000231 U	0.0000250 U	0.0000256 U	0.000472	0.0000240 U*	0.0000325 U
Benzo-a-pyrene	0.0002	0.000319	0.00023 U	0.0025	0.000012 U	0.000029 U	0.0000188 U	0.000431 U	0.0000250 U	0.0000250 U	0.0000216 U	0.0000231 U	0.0000231 U*	0.0000668	0.0000256 U*	0.000412	0.0000240 U*	0.0000325 U
Benzo-b-fluoranthene	0.00117	0.00359	0.00028 U	0.0023	0.000014 U	0.000020 U	0.0000188 U	0.000431 U	0.0000250 U	0.0000250 U	0.0000216 U	0.0000231 U	0.0000231 U	0.000108	0.0000256 U*	0.000410	0.0000240 U*	0.0000358 J
Benzo-g,h,i-perylene	1.1	0.028	0.00023 U	0.00071 J	0.000011 U	0.000033 U	0.0000188 U	0.000862 U	0.0000500 U	0.0000500 U	0.0000431 U	0.0000463 U	0.0000463 U*	0.0000727 J	0.0000513 U*	0.000353	0.0000479 U*	0.0000651 U
Benzo-k-fluoranthene	0.0117	0.0312	0.00027 U	0.00075 U	0.000014 U	0.000043 U	0.0000188 U	0.000862 U	0.0000500 U	0.0000500 U	0.0000431 U	0.0000463 U	0.0000463 U	0.0000500 U	0.0000513 U*	0.000456	0.0000479 U*	0.0000651 U
Chrysene	0.117	0.663	0.00022 U	0.00079 J	0.000011 U	0.000033 U	0.0000188 U	0.000862 U	0.0000500 U	0.0000500 U	0.0000431 U	0.0000463 U	0.0000463 U	0.0000500 U	0.0000513 U	0.000510	0.0000479 U*	0.0000651 U
Dibenz-a,h-anthracene	0.0002	0.0002	0.000079 U	0.00054 U	0.0000040 U	0.000031 U	--	0.000431 U	0.0000250 U	0.0000250 U	0.0000216 U	0.0000231 U	0.0000231 U	0.0000250 U	0.0000256 U*	0.000383	0.0000240 U*	0.0000325 U
Dibenzofuran	0.146	0.311	--	--	0.00015	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	1.46	0.387	--	0.0032	0.000016 U	0.000024 U	0.0000282 U	0.000862 U	0.0000500 U	0.0000500 U	0.0000431 U	0.0000463 U	0.0000463 U*	0.0000950 J	0.0000513 U	0.000516	0.0000479 U*	0.000136
Fluorene	1.46	2.12	0.00031 U	0.0166	0.00025	0.00017 J	0.0000188 U	0.000862 U	0.000368	0.0000500 U	0.000392	0.0000694 J	0.000162 b*	0.000371	0.000171	0.000842	0.000127*	0.000664
Formaldehyde	7.3	67	0.00076 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno-1,2,3-cd-pyrene	0.00117	0.00149	0.00030 U	0.0021	0.000015 U	0.000023 U	0.0000188 U	0.000431 U	0.0000250 U	0.0000250 U	0.0000216 U	0.0000231 U	0.0000231 U*	0.0000518	0.0000256 U*	0.0003370	0.0000240 U*	0.0000325 U
1-Methylnaphthalene	--	--	0.48	--	0.13	--	0.0000188 U	0.107	0.138	0.0348	0.0517	0.0144	0.0111	0.0116	0.0295	0.0247	0.0101*	0.0584
2-Methylnaphthalene	--	--	0.97	6.48 [a]	0.27	0.146 [b]	0.0000282 U	0.187	0.246	0.0702	0.0896 b	0.0280	0.0287 b	0.000340	0.0573	0.0455	0.0175*	0.104
Naphthalene	0.73	0.668	0.90	4.04 [a]	0.18	0.0767 [a]	0.0000188 U	0.0828	0.213	0.0568	0.0519	0.0178	0.0104	0.000167	0.0141*	0.0169	0.0138 b*	0.0388
Phenanthrene	1.1	1.33	0.00049 J	0.0137	0.00016	0.00015 J	0.0000282 U	0.000862 U	0.000242	0.000184	0.000434	0.0000463 U	0.000315 b*	0.0361	0.000169	0.000849	0.0000825 J*	0.000602
Pyrene	1.1	0.294	0.00023 U	0.0044	0.000024 J	0.000028 J	0.0000188 U	0.000862 U	0.0000500 U	0.0000500 U	0.0000431 U	0.0000463 U	0.0000463 U	0.0184	0.0000513 U	0.000512	0.0000479 U*	0.000178

Note:
(a) = Result is from Run #2.
(b) = Result is from Run #3.
J = Detected but below the reported deteciton limit, therefore, result is an estimated concentration.
U = Analyte included in the analysis but not detected at concentrations greater than the minimum detection limit.
b = The compound was found in the blank sample.
* LCS or LCSD is outside acceptable limits.
BOLD and shaded values indicate concentrations above Category II Target Cleanup Levels.
During 3/12/15 sampling event, PAH was inadvertently run on all submitted samples. All samples indicated concentrations below reporting limits except for naphthalene in MW-6 (0.0000563 J).

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-1	Monitor Well Installed 05/24/12								
	06/07/12	573.44	6.68	566.76		NA	NA	NA	566.76
Screened	06/15/12	573.44	6.71	566.73		NA	NA	NA	566.73
Interval:	06/29/12	573.44	6.90	566.54		NA	NA	NA	566.54
5-20 ft.	07/16/12	573.44	NG	NG		NA	NA	NA	NG
	07/19/12	573.44	7.22	566.22		NA	NA	NA	566.22
	07/23/12	573.44	NG	NG		NA	NA	NA	NG
	07/27/12	573.44	7.29	566.15		NA	NA	NA	566.15
	07/30/12	573.44	NG	NG		NA	NA	NA	NG
	08/01/12	573.44	NG	NG		NA	NA	NA	NG
	08/03/12	573.44	7.38	566.06		NA	NA	NA	566.06
	08/06/12	573.44	NG	NG		NA	NA	NA	NG
	08/08/12	573.44	NG	NG		NA	NA	NA	NG
	08/10/12	573.44	7.47	565.98		NA	NA	NA	565.98
	08/13/12	573.44	NG	NG		NA	NA	NA	NG
	08/15/12	573.44	NG	NG		NA	NA	NA	NG
	08/17/12	573.44	7.47	565.97		NA	NA	NA	565.97
	08/20/12	573.44	NG	NG		NA	NA	NA	NG
	08/22/12	573.44	NG	NG		NA	NA	NA	NG
	08/24/12	573.44	7.40	566.04		NA	NA	NA	566.04
	08/27/12	573.44	NG	NG		NA	NA	NA	NG
	08/29/12	573.44	NG	NG		NA	NA	NA	NG
	08/31/12	573.44	7.48	565.96		NA	NA	NA	565.96
	09/05/12	573.44	NG	NG		NA	NA	NA	NG
	09/07/12	573.44	7.58	565.86		NA	NA	NA	565.86
	09/10/12	573.44	NG	NG		NA	NA	NA	NG
	09/12/12	573.44	7.70	565.74		NA	NA	NA	565.74
	09/14/12	573.44	NG	NG		NA	NA	NA	NG
	09/17/12	573.44	NG	NG		NA	NA	NA	NG
	09/19/12	573.44	NG	NG		NA	NA	NA	NG
	09/21/12	573.44	7.79	565.65		NA	NA	NA	565.65
	09/24/12	573.44	NG	NG		NA	NA	NA	NG
	09/26/12	573.44	NG	NG		NA	NA	NA	NG
	09/28/12	573.44	7.91	565.53		NA	NA	NA	565.53
	10/01/12	573.44	7.70	565.74		NA	NA	NA	565.74
	10/03/12	573.44	NG	NG		NA	NA	NA	NG
	10/05/12	573.44	7.81	565.63		NA	NA	NA	565.63
	10/07/12	573.44	7.80	565.64		NA	NA	NA	565.64
	10/12/12	573.44	8.01	565.43		NA	NA	NA	565.43
	10/15/12	573.44	NG	NG		NA	NA	NA	NG
	10/18/12	573.44	8.00	565.44		NA	NA	NA	565.44
	10/22/12	573.44	NG	NG		NA	NA	NA	NG
	10/24/12	573.44	NG	NG		NA	NA	NA	NG
	10/26/12	573.44	8.08	565.36		NA	NA	NA	565.36
	10/29/12	573.44	NG	NG		NA	NA	NA	NG
	10/31/12	573.44	NG	NG		NA	NA	NA	NG
	11/02/12	573.44	8.09	565.35		NA	NA	NA	565.35
	11/30/12	573.44	8.09	565.35		NA	NA	NA	565.35
	12/28/12	573.44	9.34	564.10		NA	NA	NA	564.10
	01/07/13	573.44	8.53	564.91		NA	NA	NA	564.91
	01/09/13	573.44	NG	NG		NA	NA	NA	NG
	01/11/13	573.44	NG	NG		NA	NA	NA	NG
	01/14/13	573.44	NG	NG		NA	NA	NA	NG
	01/16/13	573.44	NG	NG		NA	NA	NA	NG
	01/18/13	573.44	8.22	565.22		NA	NA	NA	565.22
	01/21/13	573.44	NG	NG		NA	NA	NA	NG
	01/23/13	573.44	NG	NG		NA	NA	NA	NG
	01/25/13	573.44	8.21	565.23		NA	NA	NA	565.23
	01/28/13	573.44	NG	NG		NA	NA	NA	NG
	01/30/13	573.44	NG	NG		NA	NA	NA	NG
	02/01/13	573.44	8.33	565.11		NA	NA	NA	565.11
	02/04/13	573.44	NG	NG		NA	NA	NA	NG

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
	02/06/13	573.44	NG	NG		NA	NA	NA	NG
MW-1	02/08/13	573.44	8.28	565.16		NA	NA	NA	565.16
	02/11/13	573.44	NG	NG		NA	NA	NA	NG
	02/13/13	573.44	NG	NG		NA	NA	NA	NG
	02/15/13	573.44	8.16	565.28		NA	NA	NA	565.28
	02/18/13	573.44	NG	NG		NA	NA	NA	NG
	02/20/13	573.44	NG	NG		NA	NA	NA	NG
	02/22/13	573.44	8.06	565.38		NA	NA	NA	565.38
	02/25/13	573.44	NG	NG		NA	NA	NA	NG
	02/27/13	573.44	NG	NG		NA	NA	NA	NG
	03/04/13	573.44	7.87	565.57		NA	NA	NA	565.57
	03/11/13	573.44	8.02	565.42		NA	NA	NA	565.42
	03/18/13	573.44	7.99	565.45		NA	NA	NA	565.45
	03/25/13	573.44	8.13	565.31		NA	NA	NA	565.31
	03/27/13	573.44	8.08	565.36		NA	NA	NA	565.36
	04/01/13	573.44	7.69	565.75		NA	NA	NA	565.75
	04/08/13	573.44	7.71	565.73		NA	NA	NA	565.73
	04/15/13	573.44	7.71	565.73		NA	NA	NA	565.73
	04/22/13	573.44	7.71	565.73		NA	NA	NA	565.73
	04/29/13	573.44	7.65	565.79		NA	NA	NA	565.79
	05/06/13	573.44	7.73	565.71		NA	NA	NA	565.71
	05/13/13	573.44	7.80	565.64		NA	NA	NA	565.64
	05/20/13	573.44	7.68	565.76		NA	NA	NA	565.76
	05/28/13	573.44	7.66	565.78		NA	NA	NA	565.78
	06/03/13	573.44	7.73	565.71		NA	NA	NA	565.71
	06/10/13	573.44	7.73	565.71		NA	NA	NA	565.71
	06/17/13	573.44	7.79	565.65		NA	NA	NA	565.65
	06/24/13	573.44	7.85	565.59		NA	NA	NA	565.59
	07/01/13	573.44	7.94	565.50		NA	NA	NA	565.50
	07/08/13	573.44	8.05	565.39		NA	NA	NA	565.39
	07/15/13	573.44	7.69	565.75		NA	NA	NA	565.75
	07/22/13	573.44	8.01	565.43		NA	NA	NA	565.43
	07/29/13	573.44	8.13	565.31		NA	NA	NA	565.31
	08/12/13	573.44	8.40	565.04		NA	NA	NA	565.04
	09/06/13	573.44	8.91	564.53		NA	NA	NA	564.53
	09/16/13	573.44	9.21	564.23		NA	NA	NA	564.23
	09/30/13	573.44	8.73	564.71		NA	NA	NA	564.71
	10/15/13	573.44	Equipment Malfunction						
	10/21/13	573.44	8.66	564.78		NA	NA	NA	564.78
	10/28/13	573.44	9.73	563.71		NA	NA	NA	563.71
	11/04/13	573.44	8.76	564.68		NA	NA	NA	564.68
	11/11/13	573.44	8.53	564.91		NA	NA	NA	564.91
	11/18/13	573.44	9.71	563.73		NA	NA	NA	563.73
	11/25/13	573.44	8.46	564.98		NA	NA	NA	564.98
	12/03/13	573.44	8.26	565.18		NA	NA	NA	565.18
	12/09/13	573.44	7.97	565.47		NA	NA	NA	565.47
	12/12/13	573.44	8.03	565.41		NA	NA	NA	565.41
	12/16/13	573.44	7.97	565.47		NA	NA	NA	565.47
	12/24/13	573.44	7.93	565.51		NA	NA	NA	565.51
	12/30/13	573.44	7.96	565.48		NA	NA	NA	565.48
	01/09/14	573.44	7.91	565.53		NA	NA	NA	565.53
	01/13/14	573.44	7.88	565.56		NA	NA	NA	565.56
	01/20/14	573.44	7.86	565.58		NA	NA	NA	565.58
	01/27/14	573.44	8.44	565.00		NA	NA	NA	565.00
	02/05/14	573.44	8.14	565.30		NA	NA	NA	565.30
	02/18/14	573.44	7.94	565.50		NA	NA	NA	565.50
	03/04/14	573.44	7.97	565.47		NA	NA	NA	565.47
	03/10/14	573.44	8.02	565.42		NA	NA	NA	565.42
	03/17/14	573.44	7.97	565.47		NA	NA	NA	565.47
	03/31/14	573.44	7.90	565.54		NA	NA	NA	565.54
	04/14/14	573.44	7.94	565.50		NA	NA	NA	565.50
	04/28/14	573.44	7.84	565.60		NA	NA	NA	565.60
	05/12/14	573.44	7.97	565.47		NA	NA	NA	565.47
	05/27/14	573.44	7.88	565.56		NA	NA	NA	565.56

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-1	06/11/14	573.44	8.09	565.35		NA	NA	NA	565.35
	06/24/14	573.44	8.17	565.27		NA	NA	NA	565.27
	07/08/14	573.44	8.39	565.05		NA	NA	NA	565.05
	07/21/14	573.44	8.03	565.41		NA	NA	NA	565.41
	08/04/14	573.44	9.07	564.37		NA	NA	NA	564.37
	08/18/14	573.44	9.31	564.13		NA	NA	NA	564.13
	09/02/14	573.44	9.57	563.87		NA	NA	NA	563.87
	09/15/14	573.44	9.62	563.82		NA	NA	NA	563.82
	09/29/14	573.44	10.05	563.39		NA	NA	NA	563.39
	10/13/14	573.44	8.83	564.61		NA	NA	NA	564.61
	10/27/14	573.44	9.16	564.28		NA	NA	NA	564.28
	11/10/14	573.44	9.64	563.80		NA	NA	NA	563.80
	11/24/14	573.44	10.13	563.31		NA	NA	NA	563.31
	12/09/14	573.44	10.66	562.78		NA	NA	NA	562.78
	12/17/14	573.44	10.57	562.87		NA	NA	NA	562.87
	12/23/14	573.44	10.06	563.38		NA	NA	NA	563.38
	01/06/15	573.44	9.70	563.74		NA	NA	NA	563.74
	01/23/15	573.44	9.27	564.17		NA	NA	NA	564.17
	02/03/15	573.44	8.96	564.48		NA	NA	NA	564.48
	02/19/15	573.44	9.01	564.43		NA	NA	NA	564.43
	03/12/15	573.44	7.60	565.84		NA	NA	NA	565.84
	03/24/15	573.44	7.54	565.90		NA	NA	NA	565.90
	04/08/15	573.44	7.48	565.96		NA	NA	NA	565.96
	04/23/15	573.44	7.33	566.11		NA	NA	NA	566.11
	05/10/15	573.44	5.84	567.60		NA	NA	NA	567.60
	05/20/15	573.44	6.25	567.19		NA	NA	NA	567.19
	06/03/15	573.44	5.36	568.08		NA	NA	NA	568.08
	06/11/15	573.44	5.98	567.46		NA	NA	NA	567.46
	06/19/15	573.44	6.03	567.41		NA	NA	NA	567.41
	07/02/15	573.44	6.16	567.28		NA	NA	NA	567.28
	07/15/15	573.44	6.42	567.02		NA	NA	NA	567.02
	07/29/15	573.44	6.74	566.70		NA	NA	NA	566.70
	08/03/15	573.44	6.84	566.60		NA	NA	NA	566.60
	08/12/15	573.44	7.02	566.42		NA	NA	NA	566.42
	08/26/15	573.44	7.18	566.26		NA	NA	NA	566.26
	09/09/15	573.44	7.39	566.05		NA	NA	NA	566.05
	09/23/15	573.44	7.63	565.81		NA	NA	NA	565.81
	10/07/15	573.44	7.98	565.46		NA	NA	NA	565.46
	10/21/15	573.44	8.34	565.10		NA	NA	NA	565.10
	11/04/15	573.44	7.13	566.31		NA	NA	NA	566.31
	11/18/15	573.44	7.04	566.40		NA	NA	NA	566.40
	12/02/15	573.44	5.58	567.86		NA	NA	NA	567.86
	12/16/15	573.44	6.28	567.16		NA	NA	NA	567.16
	12/30/15	573.44	6.03	567.41		NA	NA	NA	567.41
	01/14/16	573.44	6.14	567.30		NA	NA	NA	567.30
	01/28/16 (MDPE)	573.44	9.87	563.57		NA	NA	Na	563.57
	02/03/16	573.44	6.54	566.90		NA	NA	NA	566.90
	02/10/16	573.44	6.48	566.96		NA	NA	NA	566.96
	02/24/16	573.44	6.57	566.87		NA	NA	NA	566.87
	03/09/16	573.44	6.40	567.04		NA	NA	NA	567.04
	03/16/16	573.44	6.23	567.21		NA	NA	NA	567.21
	03/23/16	573.44	6.13	567.31		NA	NA	NA	567.31
	04/13/16	573.44	6.37	567.07		NA	NA	NA	567.07
	04/28/16	573.44	6.16	567.28		NA	NA	NA	567.28
	05/11/16	573.44	6.22	567.22		NA	NA	NA	567.22
	06/09/16	573.44	5.57	567.87		NA	NA	NA	567.87
	06/16/16	573.44	5.76	567.68		NA	NA	NA	567.68
	06/22/16	573.44	5.93	567.51		NA	NA	NA	567.51
	07/08/16	573.44	6.19	567.25		NA	NA	NA	567.25
	07/22/16	573.44	6.32	567.12		NA	NA	NA	567.12
	08/03/16	573.44	6.64	566.80		NA	NA	NA	566.80
	09/21/16	573.44	6.96	566.48		NA	NA	NA	566.48
	10/05/16	573.44	7.01	566.43		NA	NA	NA	566.43
	10/18/16	573.44	7.09	566.35		NA	NA	NA	566.35
	11/09/16	573.44	7.20	566.24		NA	NA	NA	566.24
	12/16/16	573.44	7.33	566.11		NA	NA	NA	566.11
	01/25/17	573.44	7.53	565.91		NA	NA	NA	565.91

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-1	02/08/17	573.44	7.32	566.12		NA	NA	NA	566.12
	02/22/17	573.44	7.09	566.35		NA	NA	NA	566.35
	03/15/17	573.44	7.09	566.35		NA	NA	NA	566.35
	03/28/17	573.44	7.29	566.15		NA	NA	NA	566.15
	04/19/17	573.44	7.27	566.17		NA	NA	NA	566.17
	05/17/17	573.44	7.40	566.04		NA	NA	NA	566.04
	05/30/17	573.44	7.56	565.88		NA	NA	NA	565.88
	06/21/17	573.44	7.25	566.19		NA	NA	NA	566.19
	07/19/17	573.44	7.15	566.29		NA	NA	NA	566.29
	08/15/17	573.44	7.14	566.30		NA	NA	NA	566.30
	08/29/17	573.44	7.33	566.11		NA	NA	NA	566.11
	09/21/17	573.44	7.73	565.71		NA	NA	NA	565.71
	10/13/17	573.44	8.03	565.41		NA	NA	NA	565.41
	11/28/17	573.44	8.38	565.06		NA	NA	NA	565.06
	12/14/17	573.44	8.58	564.86		NA	NA	NA	564.86
	12/28/17	573.44	8.28	565.16		NA	NA	NA	565.16
	03/13/18	573.44	7.06	566.38		NA	NA	NA	566.38
	03/26/18	573.44	7.09	566.35		NA	NA	NA	566.35
	04/27/18	573.44	7.15	566.29		NA	NA	NA	566.29
	05/30/18	573.44	7.35	566.09		NA	NA	NA	566.09
	06/27/18	573.44	7.74	565.70		NA	NA	NA	565.70
	07/13/18	573.44	7.98	565.46		NA	NA	NA	565.46
	07/27/18	573.44	7.96	565.48		NA	NA	NA	565.48
	09/05/18	573.44	8.34	565.10		NA	NA	NA	565.10
	09/26/18	573.44	7.33	566.11		NA	NA	NA	566.11
	10/31/18	573.44	5.33	568.11		NA	NA	NA	568.11
	11/28/18	573.44	6.03	567.41		NA	NA	NA	567.41
	12/27/18	573.44	5.92	567.52		NA	NA	NA	567.52
	01/31/19	573.44	6.01	567.43		NA	NA	NA	567.43
	02/22/19	573.44	6.23	567.21		NA	NA	NA	567.21
	03/28/19	573.44	6.13	567.31		NA	NA	NA	567.31
	04/26/19	573.44	5.75	567.69		NA	NA	NA	567.69
MW-2	Monitor Well Installed 05/24/12								
	06/07/12	575.04	11.25	563.79		NA	NA	NA	563.79
Screened Interval 5-25 ft	06/15/12	575.04	11.70	563.34		NA	NA	NA	563.34
	06/29/12	575.04	12.05	562.99		NA	NA	NA	562.99
	07/16/12	575.04	12.46	562.58		NA	NA	NA	562.58
	07/19/12	575.04	13.14	561.90		NA	NA	NA	561.90
	07/23/12	575.04	NG	NG		NA	NA	NA	NG
	07/27/12	575.04	12.77	562.27		NA	NA	NA	562.27
	07/30/12	575.04	NG	NG		NA	NA	NA	NG
	08/01/12	575.04	NG	NG		NA	NA	NA	NG
	08/03/12	575.04	12.82	562.22		NA	NA	NA	562.22
	08/06/12	575.04	NG	NG		NA	NA	NA	NG
	08/08/12	575.04	NG	NG		NA	NA	NA	NG
	08/10/12	575.04	13.01	562.03		NA	NA	NA	562.03
	08/13/12	575.04	NG	NG		NA	NA	NA	NG
	08/15/12	575.04	NG	NG		NA	NA	NA	NG
	08/17/12	575.04	13.02	562.02		NA	NA	NA	562.02
	08/20/12	575.04	NG	NG		NA	NA	NA	NG
	08/22/12	575.04	NG	NG		NA	NA	NA	NG
	08/24/12	575.04	12.75	562.29		NA	NA	NA	562.29
	08/27/12	575.04	NG	NG		NA	NA	NA	NG
	08/29/12	575.04	NG	NG		NA	NA	NA	NG
	08/31/12	575.04	12.82	562.22		NA	NA	NA	562.22
	09/05/12	575.04	NG	NG		NA	NA	NA	NG
	09/07/12	575.04	13.01	562.03		NA	NA	NA	562.03
	09/10/12	575.04	NG	NG		NA	NA	NA	NG
	09/12/12	575.04	13.30	561.74		NA	NA	NA	561.74
	09/14/12	575.04	NG	NG		NA	NA	NA	NG
	09/17/12	575.04	NG	NG		NA	NA	NA	NG
	09/19/12	575.04	NG	NG		NA	NA	NA	NG
	09/21/12	575.04	13.38	561.66		NA	NA	NA	561.66
	09/24/12	575.04	NG	NG		NA	NA	NA	NG
	09/26/12	575.04	NG	NG		NA	NA	NA	NG
	09/28/12	575.04	13.60	561.44		NA	NA	NA	561.44
	10/01/12	575.04	13.29	561.75		NA	NA	NA	561.75
	10/03/12	575.04	NG	NG		NA	NA	NA	NG
	10/05/12	575.04	13.42	561.62		NA	NA	NA	561.62
	10/07/12	575.04	13.55	561.49		NA	NA	NA	561.49

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
	10/12/12	575.04	14.79	560.25		NA	NA	NA	560.25
MW-2	10/15/12	575.04	NG	NG		NA	NA	NA	NG
	10/18/12	575.04	13.79	561.25		NA	NA	NA	561.25
	10/22/12	575.04	NG	NG		NA	NA	NA	NG
	10/24/12	575.04	NG	NG		NA	NA	NA	NG
	10/26/12	575.04	13.99	561.05		NA	NA	NA	561.05
	10/29/12	575.04	NG	NG		NA	NA	NA	NG
	10/31/12	575.04	NG	NG		NA	NA	NA	NG
	11/02/12	575.04	13.79	561.25		NA	NA	NA	561.25
	11/30/12	575.04	14.79	560.25		NA	NA	NA	560.25
	Well Destroyed During Tank Replacement Activities.								
MW-2R	03/18/13	574.68	14.31	560.37		NA	NA	NA	560.37
	03/25/13	574.68	14.95	559.73		NA	NA	NA	559.73
Screened	03/27/13	574.68	14.96	559.72		NA	NA	NA	559.72
Interval:	04/01/13	574.68	14.44	560.24		NA	NA	NA	560.24
6-26 ft.	04/08/13	574.68	13.85	560.83		NA	NA	NA	560.83
	04/15/13	574.68	13.81	560.87		NA	NA	NA	560.87
	04/22/13	574.68	13.97	560.71		NA	NA	NA	560.71
	04/29/13	574.68	13.64	561.04		NA	NA	NA	561.04
	05/06/13	574.68	13.86	560.82		NA	NA	NA	560.82
	05/13/13	574.68	13.97	560.71		NA	NA	NA	560.71
	05/20/13	574.68	13.64	561.04		NA	NA	NA	561.04
	05/28/13	574.68	13.64	561.04		NA	NA	NA	561.04
	06/03/13	574.68	13.87	560.81		NA	NA	NA	560.81
	06/10/13	574.68	13.88	560.80		NA	NA	NA	560.80
	06/17/13	574.68	13.92	560.76		NA	NA	NA	560.76
	06/24/13	574.68	14.04	560.64		NA	NA	NA	560.64
	07/01/13	574.68	13.35	561.33		NA	NA	NA	561.33
	07/08/13	574.68	14.55	560.13		NA	NA	NA	560.13
	07/15/13	574.68	14.23	560.45		NA	NA	NA	560.45
	07/22/13	574.68	14.45	560.23		NA	NA	NA	560.23
	07/29/13	574.68	14.67	560.01		NA	NA	NA	560.01
	08/12/13	574.68	15.10	559.58		NA	NA	NA	559.58
	09/06/13	574.68	15.43	559.25		NA	NA	NA	559.25
	09/16/13	574.68	15.52	559.16		NA	NA	NA	559.16
	09/30/13	574.68	14.30	560.38		NA	NA	NA	560.38
	10/15/13	574.68	Equipment Malfunction						
	10/21/13	574.68	15.28	559.40		NA	NA	NA	559.40
	10/28/13	574.68	15.30	559.38		NA	NA	NA	559.38
	11/04/13	574.68	15.43	559.25		NA	NA	NA	559.25
	11/11/13	574.68	16.32	558.36		NA	NA	NA	558.36
	11/18/13	574.68	15.43	559.25		NA	NA	NA	559.25
	11/25/13	574.68	15.40	559.28		NA	NA	NA	559.28
	12/03/13	574.68	14.71	559.97		NA	NA	NA	559.97
	12/09/13	574.68	15.11	559.57		NA	NA	NA	559.57
	12/12/13	574.68	15.13	559.55		NA	NA	NA	559.55
	12/16/13	574.68	14.70	559.98		NA	NA	NA	559.98
	12/24/13	574.68	14.76	559.92		NA	NA	NA	559.92
	12/30/13	574.68	14.65	560.03		NA	NA	NA	560.03
	01/09/14	574.68	14.54	560.14		NA	NA	NA	560.14
	01/13/14	574.68	14.43	560.25		NA	NA	NA	560.25
	01/20/14	574.68	14.36	560.32		NA	NA	NA	560.32
	01/27/14	574.68	14.78	559.90		NA	NA	NA	559.90
	02/05/14	574.68	14.15	560.53		NA	NA	NA	560.53
	02/18/14	574.68	14.69	559.99		NA	NA	NA	559.99
	03/04/14	574.68	15.05	559.63		NA	NA	NA	559.63
	03/10/14	574.68	15.11	559.57		NA	NA	NA	559.57
	03/17/14	574.68	15.06	559.62		NA	NA	NA	559.62
	03/31/14	574.68	14.89	559.79		NA	NA	NA	559.79
	04/14/14	574.68	15.03	559.65		NA	NA	NA	559.65
	04/28/14	574.68	14.37	560.31		NA	NA	NA	560.31
	05/12/14	574.68	14.63	560.05		NA	NA	NA	560.05
	05/27/14	574.68	14.65	560.03		NA	NA	NA	560.03
	06/11/14	574.68	14.84	559.84		NA	NA	NA	559.84
	06/24/14	574.68	15.11	559.57		NA	NA	NA	559.57
	07/08/14	574.68	15.31	559.37		NA	NA	NA	559.37
	07/21/14	574.68	15.67	559.01		NA	NA	NA	559.01
	08/04/14	574.68	15.82	558.86		NA	NA	NA	558.86

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
	08/18/14	574.68	15.86	558.82		NA	NA	NA	558.82
MW-2R	09/02/14	574.68	16.21	558.47		NA	NA	NA	558.47
	09/15/14	574.68	16.11	558.57		NA	NA	NA	558.57
	09/29/14	574.68	16.59	558.09		NA	NA	NA	558.09
	10/13/14	574.68	15.72	558.96		NA	NA	NA	558.96
	10/27/14	574.68	15.72	558.96		NA	NA	NA	558.96
	11/10/14	574.68	16.22	558.46		NA	NA	NA	558.46
	11/24/14	574.68	16.72	557.96		NA	NA	NA	557.96
	12/09/14	574.68	17.56	557.12		NA	NA	NA	557.12
	12/17/14	574.68	17.09	557.59		NA	NA	NA	557.59
	12/23/14	574.68	16.69	557.99		NA	NA	NA	557.99
	01/06/15	574.68	16.87	557.81		NA	NA	NA	557.81
	01/23/15	574.68	16.60	558.08		NA	NA	NA	558.08
	02/03/15	574.68	16.22	558.46		NA	NA	NA	558.46
	02/19/15	574.68	16.39	558.29		NA	NA	NA	558.29
	03/12/15	574.68	14.59	560.09		NA	NA	NA	560.09
	03/24/15	574.68	13.86	560.82		NA	NA	NA	560.82
	04/08/15	574.68	13.63	561.05		NA	NA	NA	561.05
	04/23/15	574.68	13.31	561.37		NA	NA	NA	561.37
	05/10/15	574.68	11.26	563.42		NA	NA	NA	563.42
	05/20/15	574.68	11.75	562.93		NA	NA	NA	562.93
	06/03/15	574.68	10.66	564.02		NA	NA	NA	564.02
	06/11/15	574.68	11.00	563.68		NA	NA	NA	563.68
	06/19/15	574.68	11.39	563.29		NA	NA	NA	563.29
	07/02/15	574.68	11.39	563.29		NA	NA	NA	563.29
	07/15/15	574.68	11.16	563.52		NA	NA	NA	563.52
	07/29/15	574.68	12.35	562.33		NA	NA	NA	562.33
	08/03/15	574.68	12.42	562.26		NA	NA	NA	562.26
	08/12/15	574.68	12.99	561.69		NA	NA	NA	561.69
	08/26/15	574.68	13.44	561.24		NA	NA	NA	561.24
	09/09/15	574.68	13.76	560.92		NA	NA	NA	560.92
	09/23/15	574.68	14.23	560.45		NA	NA	NA	560.45
	10/07/15	574.68	14.78	559.90		NA	NA	NA	559.90
	10/21/15	574.88	15.27	559.61		NA	NA	NA	559.61
	11/04/15	574.88	13.43	561.45		NA	NA	NA	561.45
	11/18/15	574.88	12.83	562.05		NA	NA	NA	562.05
	12/02/15	574.88	11.57	563.31		NA	NA	NA	563.31
	12/16/15	574.88	11.52	563.36		NA	NA	NA	563.36
	12/30/15	574.88	11.54	563.34		NA	NA	NA	563.34
	01/14/16	574.88	10.92	563.96		NA	NA	NA	563.96
	01/28/16 (MDPE)	574.88	11.71	563.17		NA	NA	NA	563.17
	02/03/16	574.88	11.87	563.01		NA	NA	NA	563.01
	02/10/16	574.88	11.56	563.32		NA	NA	NA	563.32
	02/24/16	574.88	11.78	563.10		NA	NA	NA	563.10
	03/09/16	574.88	11.44	563.44		NA	NA	NA	563.44
	03/16/16	574.88	11.39	563.49		NA	NA	NA	563.49
	03/23/16	574.88	10.81	564.07		NA	NA	NA	564.07
	04/13/16	574.88	11.39	563.49		NA	NA	NA	563.49
	04/28/16	574.88	11.18	563.70		NA	NA	NA	563.70
	05/11/16	574.88	11.15	563.73		NA	NA	NA	563.73
	06/09/16	574.88	10.33	564.55		NA	NA	NA	564.55
	06/16/16	574.88	10.51	564.37		NA	NA	NA	564.37
	06/22/16	574.88	10.66	564.22		NA	NA	NA	564.22
	07/08/16	574.88	11.14	563.74		NA	NA	NA	563.74
	07/22/16	574.88	11.38	563.50		NA	NA	NA	563.50
	08/03/16	574.88	11.73	563.15		NA	NA	NA	563.15
	09/21/16	574.88	12.62	562.26		NA	NA	NA	562.26
	10/05/16	574.88	12.73	562.15		NA	NA	NA	562.15
	10/18/16	574.88	13.83	561.05		NA	NA	NA	561.05
	11/09/16	574.88	13.42	561.46		NA	NA	NA	561.46
	12/16/16	574.88	13.31	561.57		NA	NA	NA	561.57
	01/25/17	574.88	13.64	561.24		NA	NA	NA	561.24
	02/08/17	574.88	13.49	561.39		NA	NA	NA	561.39
	02/22/17	574.88	13.31	561.57		NA	NA	NA	561.57
	03/15/17	574.88	13.32	561.56		NA	NA	NA	561.56
	03/28/17	574.88	12.88	562.00		NA	NA	NA	562.00
	04/19/17	574.88	12.83	562.05		NA	NA	NA	562.05
	05/17/17	574.88	13.08	561.80		NA	NA	NA	561.80
	05/30/17	574.88	13.47	561.41		NA	NA	NA	561.41
	06/21/17	574.88	13.07	561.81		NA	NA	NA	561.81
	07/19/17	574.88	12.98	561.90		NA	NA	NA	561.90

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-2R	08/15/17	574.88	12.76	562.12		NA	NA	NA	562.12
	08/29/17	574.88	13.03	561.85		NA	NA	NA	561.85
	09/21/17	574.88	13.88	561.00		NA	NA	NA	561.00
	10/13/17	574.88	14.56	560.32		NA	NA	NA	560.32
	11/28/17	574.88	15.18	559.70		NA	NA	NA	559.70
	12/14/17	574.88	15.44	559.44		NA	NA	NA	559.44
	12/28/17	574.88	15.44	559.44		NA	NA	NA	559.44
	03/13/18	574.88	12.77	562.11		NA	NA	NA	562.11
	03/26/18	574.88	12.54	562.34		NA	NA	NA	562.34
	04/27/18	574.88	12.60	562.28		NA	NA	NA	562.28
	05/30/18	574.88	12.82	562.06		NA	NA	NA	562.06
	06/27/18	574.88	13.83	561.05		NA	NA	NA	561.05
	07/13/18	574.88	14.11	560.77		NA	NA	NA	560.77
	07/27/18	574.88	14.11	560.77		NA	NA	NA	560.77
	09/05/18	574.88	15.33	559.55		NA	NA	NA	559.55
	09/26/18	574.88	14.11	560.77		NA	NA	NA	560.77
	10/31/18	574.88	10.48	564.40		NA	NA	NA	564.40
	11/28/18	574.88	11.09	563.79		NA	NA	NA	563.79
	12/27/18	574.88	10.31	564.57		NA	NA	NA	564.57
	01/31/19	574.88	11.00	563.88		NA	NA	NA	563.88
	02/22/19	574.88	11.26	563.62		NA	NA	NA	563.62
	03/28/19	574.88	11.23	563.65		NA	NA	NA	563.65
	04/26/19	574.88	11.05	563.83		NA	NA	NA	563.83
MW-3	Monitor Well Installed 05/24/12								
Screened	06/07/12	573.82	10.85	562.97	10.62	563.20	0.23	0.18	563.15
Interval:	**6/15/12 (MDPE)**	**573.82**	**11.18**	**562.64**	**10.56**	**563.26**	**0.62**	**0.48**	**563.12**
5-22.5 ft	06/29/12	573.82	12.46	561.36	11.21	562.61	1.25	0.98	562.34
	7/16/12 (MDPE)	**573.82**	**14.52**	**559.30**	**11.22**	**562.60**	**3.30**	**2.57**	**561.87**
	07/19/12	573.82	14.42	559.40	12.11	561.71	2.31	1.80	561.20
	07/23/12	573.82	14.38	559.44	11.35	562.47	3.03	2.36	561.80
	07/27/12	573.82	13.91	559.91	11.81	562.01	2.10	1.64	561.55
	07/30/12	573.82	13.98	559.84	11.94	561.88	2.04	1.59	561.43
	08/01/12	573.82	13.68	560.14	12.08	561.74	1.60	1.25	561.39
	08/03/12	573.82	13.60	560.22	10.95	562.87	2.65	2.07	562.29
	08/06/12	573.82	14.22	559.60	12.26	561.56	1.96	1.53	561.13
	08/06/12	573.82	14.22	559.60	12.26	561.56	1.96	1.53	561.13
	08/08/12	573.82	13.85	559.97	12.37	561.45	1.48	1.15	561.12
	08/10/12	573.82	NM	NM	12.44	561.38	NA	NA	NM
	08/13/12	573.82	14.25	559.57	13.31	560.51	0.94	0.73	560.30
	08/15/12	573.82	13.82	560.00	12.38	561.44	1.44	1.12	561.12
	08/17/12	573.82	13.45	560.37	12.29	561.53	1.16	0.90	561.27
	08/20/12	573.82	13.48	560.34	12.06	561.76	1.42	1.11	561.45
	08/22/12	573.82	13.36	560.46	12.11	561.71	1.25	0.98	561.44
	08/24/12	573.82	12.92	560.90	12.13	561.69	0.79	0.62	561.52
	08/27/12	573.82	13.12	560.70	12.29	561.53	0.83	0.65	561.35
	08/29/12	573.82	13.94	559.88	12.24	561.58	1.70	1.33	561.21
	08/31/12	573.82	13.40	560.42	12.30	561.52	1.10	0.86	561.28
	09/05/12	573.82	13.53	560.29	12.37	561.45	1.16	0.90	561.19
	09/07/12	573.82	13.32	560.50	12.54	561.28	0.78	0.61	561.11
	09/10/12	573.82	13.83	559.99	12.72	561.10	1.11	0.87	560.86
	09/12/12	573.82	13.82	560.00	12.77	561.05	1.05	0.82	560.82
	09/14/12	573.82	14.08	559.74	12.82	561.00	1.26	0.98	560.72
	09/17/12	573.82	13.71	560.11	12.54	561.28	1.17	0.91	561.02
	09/19/12	573.82	13.82	560.00	12.82	561.00	1.00	0.78	560.78
	09/21/12	573.82	13.93	559.89	12.70	561.12	1.23	0.96	560.85
	09/24/12	573.82	14.62	559.20	12.71	561.11	1.91	1.49	560.69
	09/26/12	573.82	14.25	559.57	12.76	561.06	1.49	1.16	560.73
	09/28/12	573.82	14.73	559.09	12.72	561.10	2.01	1.57	560.66
	10/01/12	573.82	13.76	560.06	12.39	561.43	1.37	1.07	561.13
	10/03/12	573.82	13.51	560.31	12.62	561.20	0.89	0.69	561.00
	10/05/12	573.82	13.57	560.25	12.72	561.10	0.85	0.66	560.91
	10/07/12 (MDPE)	**573.82**	**13.70**	**560.12**	**11.22**	**562.60**	**2.48**	**1.93**	**562.05**
	10/12/12	573.82	14.43	559.39	14.08	559.74	0.35	0.27	559.66
	10/15/12	573.82	13.97	559.85	13.33	560.49	0.64	0.50	560.35
	10/18/12	573.82	13.65	560.17	13.20	560.62	0.45	0.35	560.52
	10/22/12	573.82	14.04	559.78	13.09	560.73	0.95	0.74	560.52

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-3	10/24/12	573.82	14.09	559.73	13.08	560.74	1.01	0.79	560.52
	10/26/12	573.82	14.32	559.50	13.35	560.47	0.97	0.76	560.26
	10/29/12	573.82	14.43	559.39	13.27	560.55	1.16	0.90	560.29
	10/31/12	573.82	14.10	559.72	13.16	560.66	0.94	0.73	560.45
	11/02/12	573.82	14.03	559.79	13.20	560.62	0.83	0.65	560.44
	11/30/12	573.82	17.68	556.14	12.78	561.04	4.90	3.82	559.96
	12/28/12	573.82	17.05	556.77	13.13	560.69	3.92	3.06	559.83
	01/07/13	573.82	15.74	558.08	14.24	559.58	1.50	1.17	559.25
	01/09/13	573.82	14.84	558.98	14.11	559.71	0.73	0.57	559.55
	01/11/13	573.82	13.93	559.89	13.29	560.53	0.64	0.50	560.39
	01/14/13	573.82	14.03	559.79	13.53	560.29	0.50	0.39	560.18
	01/16/13	573.82	14.07	559.75	13.56	560.26	0.51	0.40	560.15
	01/18/13	573.82	14.28	559.54	13.83	559.99	0.45	0.35	559.89
	01/21/13	573.82	14.17	559.65	13.74	560.08	0.43	0.34	559.99
	01/23/13	573.82	14.14	559.68	13.81	560.01	0.33	0.26	559.94
	01/25/13	573.82	14.23	559.59	13.81	560.01	0.42	0.33	559.92
	01/28/13	573.82	14.05	559.77	13.70	560.12	0.35	0.27	560.04
	01/30/13	573.82	14.32	559.50	13.93	559.89	0.39	0.30	559.80
	02/01/13	573.82	14.65	559.17	14.18	559.64	0.47	0.37	559.54
	02/04/13	573.82	14.27	559.55	13.73	560.09	0.54	0.42	559.97
	02/06/13	573.82	14.48	559.34	13.86	559.96	0.62	0.48	559.82
	02/08/13	573.82	14.86	558.96	14.18	559.64	0.68	0.53	559.49
	02/11/13	573.82	14.63	559.19	13.86	559.96	0.77	0.60	559.79
	02/13/13	573.82	14.42	559.40	13.73	560.09	0.69	0.54	559.94
	02/15/13	573.82	14.45	559.37	13.88	559.94	0.57	0.44	559.81
	02/18/13	573.82	13.96	559.86	13.34	560.48	0.62	0.48	560.34
	02/20/13	573.82	14.15	559.67	13.63	560.19	0.52	0.41	560.08
	02/22/13	573.82	14.22	559.60	13.67	560.15	0.55	0.43	560.03
	02/25/13	573.82	13.59	560.23	13.15	560.67	0.44	0.34	560.57
	02/27/13	573.82	14.16	559.66	13.75	560.07	0.41	0.32	559.98
	03/04/13	NG	NG	NG		NA	NA	NA	NG
	03/11/13	573.82	14.01	559.81	13.52	560.30	0.49	0.38	560.19
	03/18/13	573.82	13.89	559.93	13.38	560.44	0.51	0.40	560.33
	3/25/13 (MDPE)	**573.82**	**14.27**	**559.55**	**13.78**	**560.04**	**0.49**	**0.38**	**559.93**
	03/27/13	573.82	14.34	559.48	13.83	559.99	0.51	0.40	559.88
	04/01/13	573.82	13.92	559.90	13.42	560.40	0.50	0.39	560.29
	04/08/13	573.82	13.24	560.58	12.89	560.93	0.35	0.27	560.85
	04/15/13	573.82	13.19	560.63	12.84	560.98	0.35	0.27	560.90
	04/22/13	573.82	13.10	560.72	12.79	561.03	0.31	0.24	560.96
	04/29/13	573.82	12.97	560.85	12.68	561.14	0.29	0.23	561.08
	05/06/13	573.82	13.83	559.99	13.36	560.46	0.47	0.37	560.36
	05/13/13	573.82	13.33	560.49	13.00	560.82	0.33	0.26	560.75
	05/20/13	573.82	13.03	560.79	12.83	560.99	0.20	0.16	560.95
	05/28/13	573.82	13.02	560.80	12.77	561.05	0.25	0.20	561.00
	06/03/13	573.82	13.38	560.44	13.02	560.80	0.36	0.28	560.72
	06/10/13	573.82	13.22	560.60	12.92	560.90	0.30	0.23	560.83
	06/17/13	573.82	13.51	560.31	13.10	560.72	0.41	0.32	560.63
	06/24/13	573.82	13.27	560.55		NA	NA	NA	560.55
	07/01/13	573.82	13.60	560.22		NA	NA	NA	560.22
	07/08/13	573.82	14.66	559.16	13.77	560.05	0.89	0.69	559.85
	07/15/13	573.82	13.72	560.10	13.36	560.46	0.36	0.28	560.38
	07/22/13	573.82	14.61	559.21	13.76	560.06	0.85	0.66	559.87
	07/29/13	573.82	14.99	558.83	14.01	559.81	0.98	0.76	559.59
	08/12/13	573.82	15.44	558.38	14.41	559.41	1.03	0.80	559.18
	09/06/13	573.82	15.50	558.32	14.83	558.99	0.67	0.52	558.84
	09/16/13	573.82	15.84	557.98	15.02	558.80	0.82	0.64	558.62
	09/30/13	573.82	15.71	558.11	15.12	558.70	0.59	0.46	558.57
	10/15/13	573.82	Equipment Malfunction						
	10/21/13	573.82	15.19	558.63	14.62	559.20	0.57	0.44	559.07
	10/28/13	573.82	15.03	558.79	14.52	559.30	0.51	0.40	559.19
	11/04/13	573.82	15.40	558.42	14.76	559.06	0.64	0.50	558.92
	11/11/13	573.82	15.12	558.70	14.52	559.30	0.60	0.47	559.17
	11/18/13	573.82	15.36	558.46	14.77	559.05	0.59	0.46	558.92
	11/25/13	573.82	15.20	558.62	14.66	559.16	0.54	0.42	559.04
	12/03/13	573.82	14.65	559.17	14.13	559.69	0.52	0.41	559.58
	12/09/13	573.82	14.60	559.22	14.11	559.71	0.49	0.38	559.60
	12/12/13	573.82	14.50	559.32	14.06	559.76	0.44	0.34	559.66
	12/16/13	573.82	14.23	559.59	13.77	560.05	0.46	0.36	559.95

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-3	12/24/13	573.82	14.18	559.64	13.70	560.12	0.48	0.37	560.01
	12/30/13	573.82	14.04	559.78	13.70	560.12	0.34	0.27	560.05
	01/09/14	573.82	13.62	560.20		NA	NA	NA	560.20
	01/13/14	573.82	13.99	559.83	13.55	560.27	0.44	0.34	560.17
	01/20/14	573.82	13.84	559.98	13.50	560.32	0.34	0.27	560.25
	01/27/14	573.82	14.26	559.56	14.20	559.62	0.06	0.05	559.61
	02/05/14	573.82	14.63	559.19	14.21	559.61	0.42	0.33	559.52
	02/18/14	573.82	14.25	559.57	13.91	559.91	0.34	0.27	559.84
	03/04/14	573.82	14.50	559.32	14.23	559.59	0.27	0.21	559.53
	03/10/14	573.82	14.52	559.30	14.33	559.49	0.19	0.15	559.45
	03/17/14	573.82	14.45	559.37	14.36	559.46	0.09	0.07	559.44
	03/31/14	573.82	14.11	559.71	14.09	559.73	0.02	0.02	559.73
	04/14/14	573.82	14.26	559.56	14.14	559.68	0.12	0.09	559.65
	04/28/14	573.82	13.71	560.11	13.50	560.32	0.21	0.16	560.27
	05/12/14	573.82	14.02	559.80	13.85	559.97	0.17	0.13	559.93
	05/27/14	573.82	13.93	559.89	13.82	560.00	0.11	0.09	559.98
	06/11/14	573.82	14.21	559.61	14.09	559.73	0.12	0.09	559.70
	06/24/14	573.82	14.55	559.27	14.38	559.44	0.17	0.13	559.40
	07/08/14	573.82	15.92	557.90	14.69	559.13	1.23	0.96	558.86
	07/21/14	573.82	14.75	559.07	14.67	559.15	0.08	0.06	559.13
	08/04/14*	573.82	14.98	558.84	14.98	558.84	0.00	0.00	558.84
	08/18/14	573.82	15.72	558.10	15.05	558.77	0.67	0.52	558.62
	09/02/14	573.82	16.31	557.51	15.49	558.33	0.82	0.64	558.15
	09/15/14	573.82	16.15	557.67	14.95	558.87	1.20	0.94	558.61
	09/29/14	573.82	16.46	557.36	15.76	558.06	0.70	0.55	557.91
	10/13/14	573.82	15.98	557.84	15.22	558.60	0.76	0.59	558.43
	10/27/14	573.82	16.22	557.60	15.63	558.19	0.59	0.46	558.06
	11/10/14	573.82	16.05	557.77	15.49	558.33	0.56	0.44	558.21
	11/24/14	573.82	16.64	557.18	15.81	558.01	0.83	0.65	557.83
	12/09/14	573.82	17.29	556.53	15.99	557.83	1.30	1.01	557.54
	12/17/14	573.82	17.01	556.81	15.97	557.85	1.04	0.81	557.62
	12/23/14	573.82	16.70	557.12	15.79	558.03	0.91	0.71	557.83
	01/06/15	573.82	16.90	556.92	15.55	558.27	1.35	1.05	557.97
	01/23/15	573.82	16.75	557.07	15.14	558.68	1.61	1.26	558.33
	02/03/15	573.82	16.16	557.66	14.88	558.94	1.28	1.00	558.66
	02/19/15	573.82	16.71	557.11	15.11	558.71	1.60	1.25	558.36
	03/12/15	573.82	14.12	559.70	12.90	560.92	1.22	0.95	560.65
	03/24/15	573.82	13.00	560.82	12.48	561.34	0.52	0.41	561.23
	04/08/15	573.82	12.58	561.24	12.38	561.44	0.20	0.16	561.40
	04/23/15	573.82	12.45	561.37	12.04	561.78	0.41	0.32	561.69
	05/10/15	573.82	9.95	563.87	9.73	564.09	0.22	0.17	564.04
	05/20/15	573.82	10.55	563.27	10.43	563.39	0.12	0.09	563.36
	06/03/15	573.82	9.59	564.23	9.54	564.28	0.05	0.04	564.27
	06/11/15	573.82	10.34	563.48	10.03	563.79	0.31	0.24	563.72
	06/19/15	573.82	10.76	563.06	10.38	563.44	0.38	0.30	563.36
	07/02/15	573.82	10.82	563.00	10.50	563.32	0.32	0.25	563.25
	07/15/15	573.82	11.25	562.57	10.92	562.90	0.33	0.26	562.83
	07/29/15	573.82	11.98	561.84	11.66	562.16	0.32	0.25	562.09
	08/03/15	573.82	11.96	561.86	11.84	561.98	0.12	0.09	561.95
	08/12/15	573.82	12.43	561.39	12.38	561.44	0.05	0.04	561.43
	08/26/15	573.82	12.98	560.84	12.91	560.91	0.07	0.05	560.89
	09/09/15	573.82	13.37	560.45	13.21	560.61	0.16	0.12	560.57
	09/23/15	573.82	13.96	559.86	13.68	560.14	0.28	0.22	560.08
	10/07/15	573.82	14.51	559.31	14.29	559.53	0.22	0.17	559.48
	10/21/15	573.82	15.06	558.76	14.80	559.02	0.26	0.20	558.96
	11/04/15	573.82	12.31	561.51	12.26	561.56	0.05	0.04	561.55
	11/18/15	573.82	11.96	561.86	11.84	561.98	0.12	0.09	561.95
	12/02/15	573.82	10.23	563.59	10.15	563.67	0.08	0.06	563.65
	12/16/15	573.82	10.78	563.04	10.54	563.28	0.24	0.19	563.23
	12/30/15	573.82	10.50	563.32	10.34	563.48	0.16	0.12	563.44
	01/14/16	573.82	10.23	563.59	10.07	563.75	0.16	0.12	563.71
	01/28/16 (MDPE)	573.82	9.60	564.22	9.46	564.36	0.14	0.11	564.33
	02/03/16	573.82	10.96	562.86	10.95	562.87	0.01	0.01	562.87
	02/10/16	573.82	10.80	563.02	10.75	563.07	0.05	0.04	563.06
	02/24/16	573.82	11.02	562.80	10.93	562.89	0.09	0.07	562.87
	03/09/16	573.82	10.71	563.11	10.65	563.17	0.06	0.05	563.16
	03/16/16	573.82	10.46	563.36	10.44	563.38	0.02	0.02	563.38
	03/23/16	573.82	10.03	563.79	10.01	563.81	0.02	0.02	563.81
	04/13/16	573.82	10.81	563.01	10.72	563.10	0.09	0.07	563.08

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-3	04/28/16	573.82	10.35	563.47	10.33	563.49	0.02	0.02	563.49
	05/11/16	573.82	10.45	563.37	10.40	563.42	0.05	0.04	563.41
	06/09/16	573.82	9.55	564.27	9.54	564.28	0.01	0.01	564.28
	06/16/16	573.82	9.69	564.13	9.68	564.14	0.01	0.01	564.14
	06/22/16	573.82	10.07	563.75	10.06	563.76	0.01	0.01	563.76
	07/08/16	573.82	9.52	564.30		NA	NA	NA	564.30
	07/22/16	573.82	9.72	564.10		NA	NA	NA	564.10
	08/03/16	573.82	10.03	563.79		NA	NA	NA	563.79
	09/21/16	573.82	12.32	561.50	12.17	561.65	0.15	0.12	561.62
	10/05/16	573.82	11.36	562.46		NA	NA	NA	562.46
	10/18/16	573.82	12.44	561.38	12.39	561.43	0.05	0.04	561.42
	11/09/16	573.82	12.83	560.99	12.80	561.02	0.03	0.02	561.01
	12/16/16	573.82	12.73	561.09		NA	NA	NA	561.09
	01/25/17	573.82	12.86	560.96	12.82	561.00	0.04	0.03	560.99
	02/08/17	573.82	12.69	561.13	12.63	561.19	0.06	0.05	561.18
	02/22/17	573.82	12.30	561.52	12.22	561.60	0.08	0.06	561.58
	03/15/17	573.82	12.26	561.56	12.22	561.60	0.04	0.03	561.59
	03/28/17	573.82	12.07	561.75	12.01	561.81	0.06	0.05	561.80
	04/19/17	573.82	12.07	561.75	12.01	561.81	0.06	0.05	561.80
	05/17/17	573.82	12.40	561.42	12.34	561.48	0.06	0.05	561.47
	05/30/17	573.82	12.86	560.96	12.76	561.06	0.10	0.08	561.04
	06/21/17	573.82	12.38	561.44	12.33	561.49	0.05	0.04	561.48
	07/19/17	573.82	11.83	561.99	11.81	562.01	0.02	0.02	562.01
	08/15/17	573.82	11.29	562.53		NA	NA	NA	562.53
	08/29/17	573.82	12.49	561.33	12.38	561.44	0.11	0.09	561.42
	09/21/17	573.82	13.55	560.27	13.43	560.39	0.12	0.09	560.36
	10/13/17	573.82	14.16	559.66	14.08	559.74	0.08	0.06	559.72
	11/28/17	573.82	13.81	560.01	13.74	560.08	0.07	0.05	560.06
	12/14/17	573.82	15.09	558.73	15.02	558.80	0.07	0.05	558.78
	12/28/17	573.82	14.86	558.96	14.78	559.04	0.08	0.06	559.02
	01/23/18	573.82	14.95	558.87	14.88	558.94	0.07	0.05	558.92
	02/19/18	573.82	15.02	558.80	14.96	558.86	0.06	0.05	558.85
	03/13/18	573.82	11.71	562.11	11.69	562.13	0.02	0.02	562.13
	03/26/18	573.82	12.02	561.80	12.01	561.81	0.01	0.01	561.81
	04/27/18	573.82	12.20	561.62		NA	NA	NA	561.62
	05/30/18	573.82	12.21	561.61	12.19	561.63	0.02	0.02	561.63
	06/27/18	573.82	13.43	560.39		NA	NA	NA	560.39
	07/13/18	573.82	13.61	560.21	13.58	560.24	0.03	0.02	560.23
	07/27/18	573.82	13.62	560.20		NA	NA	NA	560.20
	09/05/18	573.82	14.98	558.84	14.97	558.85	0.01	0.01	558.85
	09/26/18	573.82	13.04	560.78	13.03	560.79	0.01	0.01	560.79
	10/31/18	573.82	9.68	564.14	9.67	564.15	0.01	0.01	564.15
	11/28/18	573.82	10.82	563.00	10.81	563.01	0.01	0.01	563.01
	12/27/18	573.82	10.73	563.09	10.70	563.12	0.03	0.02	563.11
	01/31/19	573.82	10.59	563.23		NA	NA	NA	563.23
	02/22/19	573.82	10.72	563.10	10.71	563.11	0.01	0.01	563.11
	03/28/19	573.82	10.42	563.40		NA	NA	NA	563.40
	04/26/19	573.82	10.70	563.12		NA	NA	NA	563.12
MW-4	Monitor Well Installed 05/24/12								
	06/07/12	573.28	17.15	556.13	7.16	566.12	9.99	7.79	563.92
Screened Interval: 5 - 20 ft.	**6/15/12 (MDPE)**	**573.28**	**13.18**	**560.10**	**9.35**	**563.93**	**3.83**	**2.99**	**563.09**
	06/29/12	573.28	20.55	552.73	8.18	565.10	12.37	9.65	562.38
	7/16/12 (MDPE)	**573.28**	**20.73**	**552.55**	**8.63**	**564.65**	**12.10**	**9.44**	**561.99**
	07/19/12	573.28	12.89	560.39	11.60	561.68	1.29	1.01	561.40
	07/23/12	573.28	14.39	558.89	10.54	562.74	3.85	3.00	561.89
	07/27/12	573.28	13.53	559.75	10.85	562.43	2.68	2.09	561.84
	07/30/12	573.28	13.87	559.41	10.84	562.44	3.03	2.36	561.77
	08/01/12	573.28	13.50	559.78	10.94	562.34	2.56	2.00	561.78
	08/03/12	573.28	13.59	559.69	12.19	561.09	1.40	1.09	560.78
	08/06/12	573.28	14.78	558.50	10.86	562.42	3.92	3.06	561.56
	08/08/12	573.28	13.78	559.50	11.14	562.14	2.64	2.06	561.56
	08/10/12	573.28	NM	NM	11.27	562.01	NA	NA	NM
	08/13/12	573.28	14.59	558.69	10.93	562.35	3.66	2.85	561.54
	08/15/12	573.28	13.42	559.86	11.32	561.96	2.10	1.64	561.50
	08/17/12	573.28	13.35	559.93	11.14	562.14	2.21	1.72	561.65
	08/20/12	573.28	13.34	559.94	10.95	562.33	2.39	1.86	561.80
	08/22/12	573.28	12.27	561.01	11.35	561.93	0.92	0.72	561.73
	08/24/12	573.28	11.84	561.44	11.42	561.86	0.42	0.33	561.77

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-4	08/27/12	573.28	12.14	561.14	11.41	561.87	0.73	0.57	561.71
	08/29/12	573.28	11.94	561.34	11.35	561.93	0.59	0.46	561.80
	08/31/12	573.28	12.04	561.24	11.37	561.91	0.67	0.52	561.76
	09/05/12	573.28	14.75	558.53	10.63	562.65	4.12	3.21	561.74
	09/07/12	573.28	14.18	559.10	10.92	562.36	3.26	2.54	561.64
	09/10/12	573.28	15.65	557.63	10.79	562.49	4.86	3.79	561.42
	09/12/12	573.28	14.85	558.43	11.06	562.22	3.79	2.96	561.39
	09/14/12	573.28	14.82	558.46	11.32	561.96	3.50	2.73	561.19
	09/17/12	573.28	13.89	559.39	10.92	562.36	2.97	2.32	561.71
	09/19/12	573.28	14.68	558.60	11.23	562.05	3.45	2.69	561.29
	09/21/12	573.28	14.63	558.65	11.13	562.15	3.50	2.73	561.38
	09/24/12	573.28	15.71	557.57	11.01	562.27	4.70	3.67	561.24
	09/26/12	573.28	14.65	558.63	11.24	562.04	3.41	2.66	561.29
	09/28/12	573.28	14.45	558.83	11.48	561.80	2.97	2.32	561.15
	10/01/12	573.28	13.59	559.69	11.06	562.22	2.53	1.97	561.66
	10/03/12	573.28	12.44	560.84	11.57	561.71	0.87	0.68	561.52
	10/05/12	573.28	12.46	560.82	11.71	561.57	0.75	0.59	561.41
	10/07/12 (MDPE)	**573.28**	**13.08**	**560.20**	**8.63**	**564.65**	**4.45**	**3.47**	**563.67**
	10/12/12	573.28	13.48	559.80	13.41	559.87	0.07	0.05	559.85
	10/15/12	573.28	12.71	560.57	12.65	560.63	0.06	0.05	560.62
	10/18/12	573.28	12.54	560.74	12.45	560.83	0.09	0.07	560.81
	10/22/12	573.28	12.58	560.70	12.33	560.95	0.25	0.20	560.90
	10/24/12	573.28	12.60	560.68	12.34	560.94	0.26	0.20	560.88
	10/26/12	573.28	12.91	560.37	12.62	560.66	0.29	0.23	560.60
	10/29/12	573.28	12.92	560.36	12.58	560.70	0.34	0.27	560.63
	10/31/12	573.28	12.49	560.79	12.39	560.89	0.10	0.08	560.87
	11/02/12	573.28	12.79	560.49	12.37	560.91	0.42	0.33	560.82
	11/30/12	573.28	16.75	556.53	12.02	561.26	4.73	3.69	560.22
	12/28/12	573.28	15.45	557.83	12.71	560.57	2.74	2.14	559.97
	01/07/13	573.28	14.32	558.96	13.65	559.63	0.67	0.52	559.48
	01/09/13	573.28	14.12	559.16	13.44	559.84	0.68	0.53	559.69
	01/11/13	573.28	12.86	560.42	12.65	560.63	0.21	0.16	560.58
	01/14/13	573.28	13.28	560.00	12.95	560.33	0.33	0.26	560.26
	01/16/13	573.28	13.14	560.14	12.97	560.31	0.17	0.13	560.27
	01/18/13	573.28	13.37	559.91	13.21	560.07	0.16	0.12	560.03
	01/21/13	573.28	13.22	560.06	13.12	560.16	0.10	0.08	560.14
	01/23/13	573.28	14.20	559.08	14.15	559.13	0.05	0.04	559.12
	01/25/13	573.28	13.24	560.04	13.20	560.08	0.04	0.03	560.07
	01/28/13	573.28	13.05	560.23	13.01	560.27	0.04	0.03	560.26
	01/30/13	573.28	13.34	559.94	13.31	559.97	0.03	0.02	559.96
	02/01/13	573.28	13.69	559.59	13.60	559.68	0.09	0.07	559.66
	02/04/13	573.28	13.14	560.14	13.09	560.19	0.05	0.04	560.18
	02/06/13	573.28	13.29	559.99	13.26	560.02	0.03	0.02	560.01
	02/08/13	573.28	13.67	559.61	13.63	559.65	0.04	0.03	559.64
	02/11/13	573.28	14.40	558.88	14.40	558.88	0.00	0.00	558.88
	02/13/13	573.28	13.22	560.06	13.22	560.06	0.00	0.00	560.06
	02/15/13	573.28	13.40	559.88	13.40	559.88	0.00	0.00	559.88
	02/18/13	573.28	12.77	560.51	12.77	560.51	0.00	0.00	560.51
	02/20/13	573.28	13.08	560.20		NA	NA	NA	560.20
	02/22/13	573.28	13.15	560.13	13.15	560.13	0.00	0.00	560.13
	02/25/13	573.28	13.52	559.76	13.52	559.76	0.00	0.00	559.76
	02/27/13	573.28	13.17	560.11	13.17	560.11	0.00	0.00	560.11
	03/04/13	573.28	12.60	560.68	12.60	560.68	0.00	0.00	560.68
	03/11/13	573.28	13.05	560.23	13.03	560.25	0.02	0.02	560.25
	03/18/13	573.28	12.81	560.47	12.81	560.47	0.00	0.00	560.47
	3/25/13 (MDPE)	**573.28**	**13.32**	**559.96**	**13.32**	**559.96**	**0.00**	**0.00**	**559.96**
	03/27/13	573.28	13.44	559.84	13.42	559.86	0.02	0.02	559.86
	04/01/13	573.28	12.93	560.35	12.93	560.35	0.00	0.00	560.35
	04/08/13	573.28	12.30	560.98	12.30	560.98	0.00	0.00	560.98
	04/15/13	573.28	12.46	560.82	12.46	560.82	0.00	0.00	560.82
	04/22/13	573.28	12.25	561.03	12.25	561.03	0.00	0.00	561.03
	04/29/13	573.28	12.10	561.18	12.10	561.18	0.00	0.00	561.18
	05/06/13	573.28	12.34	560.94	12.34	560.94	0.00	0.00	560.94
	05/13/13	573.28	13.12	560.16	13.12	560.16	0.00	0.00	560.16
	05/20/13	573.28	12.13	561.15	12.13	561.15	0.00	0.00	561.15
	05/28/13	573.28	12.09	561.19	12.09	561.19	0.00	0.00	561.19

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-4	06/03/13	573.28	12.38	560.90	12.38	560.90	0.00	0.00	560.90
	06/10/13	573.28	12.30	560.98	12.30	560.98	0.00	0.00	560.98
	06/17/13	573.28	12.45	560.83	12.45	560.83	0.00	0.00	560.83
	06/24/13	573.28	12.55	560.73		NA	NA	NA	560.73
	07/01/13	573.28	12.88	560.40		NA	NA	NA	560.40
	07/08/13	573.28	13.13	560.15	13.13	560.15	0.00	0.00	560.15
	07/15/13	573.28	12.62	560.66		NA	NA	NA	560.66
	07/22/13	573.28	13.03	560.25	13.03	560.25	0.00	0.00	560.25
	07/29/13	573.28	13.30	559.98	13.30	559.98	0.00	0.00	559.98
	08/12/13	573.28	13.80	559.48	13.75	559.53	0.05	0.04	559.52
	09/06/13	573.28	14.06	559.22	14.04	559.24	0.02	0.02	559.24
	09/16/13	573.28	14.26	559.02		NA	NA	NA	559.02
	09/30/13	573.28	13.93	559.35		NA	NA	NA	559.35
	10/15/13	573.28	Equipment Malfunction						
	10/21/13	573.28	13.80	559.48		NA	NA	NA	559.48
	10/28/13	573.28	13.80	559.48	13.76	559.52	0.04	0.03	559.51
	11/04/13	573.28	14.02	559.26	14.01	559.27	0.01	0.01	559.27
	11/11/13	573.28	13.84	559.44	13.83	559.45	0.01	0.01	559.45
	11/18/13	573.28	14.09	559.19	14.08	559.20	0.01	0.01	559.20
	11/28/13	573.28	13.99	559.29	13.95	559.33	0.04	0.03	559.32
	12/03/13	573.28	13.33	559.95		NA	NA	NA	559.95
	12/09/13	573.28	13.08	560.20	13.07	560.21	0.01	0.01	560.21
	12/12/13	573.28	13.42	559.86	13.41	559.87	0.01	0.01	559.87
	12/16/13	573.28	13.08	560.20	13.07	560.21	0.01	0.01	560.21
	12/24/13	573.28	13.09	560.19		NA	NA	NA	560.19
	12/30/13	573.28	13.06	560.22		NA	NA	NA	560.22
	01/09/14	573.28	13.10	560.18		NA	NA	NA	560.18
	01/13/14	573.28	12.91	560.37		NA	NA	NA	560.37
	01/20/14	573.28	12.84	560.44	12.83	560.45	0.01	0.01	560.45
	01/27/14	573.28	13.35	559.93	13.33	559.95	0.02	0.02	559.95
	02/05/14	573.28	13.69	559.59	13.66	559.62	0.03	0.02	559.61
	02/18/14	573.28	13.25	560.03	13.23	560.05	0.02	0.02	560.05
	03/04/14	573.28	13.65	559.63	13.55	559.73	0.10	0.08	559.71
	03/10/14	573.28	13.73	559.55	13.61	559.67	0.12	0.09	559.64
	03/17/14	573.28	13.71	559.57	13.60	559.68	0.11	0.09	559.66
	03/31/14	573.28	13.65	559.63	13.36	559.92	0.29	0.23	559.86
	04/14/14	573.28	13.75	559.53	13.42	559.86	0.33	0.26	559.79
	04/28/14	573.28	12.93	560.35	12.78	560.50	0.15	0.12	560.47
	05/12/14	573.28	13.27	560.01	13.10	560.18	0.17	0.13	560.14
	05/27/14	573.28	13.15	560.13	13.05	560.23	0.10	0.08	560.21
	06/11/14	573.28	13.26	560.02	13.03	560.25	0.23	0.18	560.20
	06/24/14	573.28	13.63	559.65	13.54	559.74	0.09	0.07	559.72
	07/08/14	573.28	13.93	559.35	13.84	559.44	0.09	0.07	559.42
	07/21/14	573.28	14.23	559.05	14.13	559.15	0.10	0.08	559.13
	08/04/14*	573.28	14.30	558.98	14.30	558.98	0.00	0.00	558.98
	08/18/14	573.28	14.41	558.87	14.31	558.97	0.10	0.08	558.95
	09/02/14	573.28	14.93	558.35	14.64	558.64	0.29	0.23	558.58
	09/15/14	573.28	14.82	558.46	14.42	558.86	0.40	0.31	558.77
	09/29/14	573.28	15.13	558.15	14.92	558.36	0.21	0.16	558.31
	10/13/14	573.28	13.86	559.42	13.66	559.62	0.20	0.16	559.58
	10/27/14	573.28	14.95	558.33	14.80	558.48	0.15	0.12	558.45
	11/10/14	573.28	14.74	558.54	14.58	558.70	0.16	0.12	558.66
	11/24/14	573.28	15.29	557.99	15.08	558.20	0.21	0.16	558.15
	12/09/14	573.28	15.68	557.60	15.32	557.96	0.36	0.28	557.88
	12/17/14	573.28	15.46	557.82	15.23	558.05	0.23	0.18	558.00
	12/23/14	573.28	15.77	557.51	15.23	558.05	0.54	0.42	557.93
	01/06/15	573.28	15.22	558.06	15.00	558.28	0.22	0.17	558.23
	01/23/15	573.28	14.99	558.29	14.80	558.48	0.19	0.15	558.44
	02/03/15	573.28	14.56	558.72	14.45	558.83	0.11	0.09	558.81
	02/19/15	573.28	14.93	558.35	14.73	558.55	0.20	0.16	558.51
	03/12/15	573.28	12.71	560.57	12.66	560.62	0.05	0.04	560.61
	03/24/15	573.28	12.08	561.20	12.07	561.21	0.01	0.01	561.21
	04/08/15	573.28	11.96	561.32		NA	NA	NA	561.32
	04/23/15	573.28	11.62	561.66		NA	NA	NA	561.66
	05/10/15	573.28	9.62	563.66		NA	NA	NA	563.66
	05/20/15	573.28	10.07	563.21		NA	NA	NA	563.21
	06/03/15	573.28	8.99	564.29		NA	NA	NA	564.29
	06/11/15	573.28	9.38	563.90		NA	NA	NA	563.90
	06/19/15	573.28	9.72	563.56		NA	NA	NA	563.56
	07/02/15	573.28	9.75	563.53		NA	NA	NA	563.53

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-4	07/15/15	573.28	10.12	563.16		NA	NA	NA	563.16
	07/29/15	573.28	10.83	562.45	10.82	562.46	0.01	0.01	562.46
	08/03/15	573.28	10.55	562.73		NA	NA	NA	562.73
	08/12/15	573.28	11.56	561.72		NA	NA	NA	561.72
	08/26/15	573.28	12.06	561.22		NA	NA	NA	561.22
	09/09/15	573.28	12.36	560.92		NA	NA	NA	560.92
	09/23/15	573.28	12.86	560.42	12.84	560.44	0.02	0.02	560.44
	10/07/15	573.28	13.44	559.84	13.38	559.90	0.06	0.05	559.89
	10/21/15	573.28	13.93	559.35	13.85	559.43	0.08	0.06	559.41
	11/04/15	573.28	11.66	561.62		NA	NA	NA	561.62
	11/18/15	573.28	11.16	562.12		NA	NA	NA	562.12
	12/02/15	573.28	9.78	563.50		NA	NA	NA	563.50
	12/16/15	573.28	9.95	563.33		NA	NA	NA	563.33
	12/30/15	573.28	9.86	563.42		NA	NA	NA	563.42
	01/14/16	573.28	9.36	563.92		NA	NA	NA	563.92
	01/28/16 (MDPE)	573.28	9.78	563.50		NA	NA	NA	563.50
	02/03/16	573.28	10.29	562.99		NA	NA	NA	562.99
	02/10/16	573.28	10.05	563.23		NA	NA	NA	563.23
	02/24/16	573.28	10.17	563.11		NA	NA	NA	563.11
	03/09/16	573.28	9.90	563.38		NA	NA	NA	563.38
	03/16/16	573.28	9.77	563.51		NA	NA	NA	563.51
	03/23/16	573.28	9.20	564.08		NA	NA	NA	564.08
	04/13/16	573.28	9.93	563.35		NA	NA	NA	563.35
	04/28/16	573.28	9.46	563.82		NA	NA	NA	563.82
	05/11/16	573.28	9.47	563.81		NA	NA	NA	563.81
	06/09/16	573.28	8.64	564.64		NA	NA	NA	564.64
	06/16/16	573.28	8.83	564.45		NA	NA	NA	564.45
	06/22/16	573.28	9.02	564.26		NA	NA	NA	564.26
	07/08/16	573.28	10.57	562.71	10.56	562.72	0.01	0.01	562.72
	07/22/16	573.28	10.65	562.63	10.64	562.64	0.01	0.01	562.64
	08/03/16	573.28	10.97	562.31	10.96	562.32	0.01	0.01	562.32
	09/21/16	573.28	11.25	562.03		NA	NA	NA	562.03
	10/05/16	573.28	12.39	560.89	12.33	560.95	0.06	0.05	560.94
	10/18/16	573.28	11.50	561.78		NA	NA	NA	561.78
	11/09/16	573.28	11.92	561.36		NA	NA	NA	561.36
	12/16/16	573.28	11.76	561.52		NA	NA	NA	561.52
	01/25/17	573.28	12.10	561.18		NA	NA	NA	561.18
	02/08/17	573.28	11.99	561.29		NA	NA	NA	561.29
	02/22/17	573.28	11.61	561.67		NA	NA	NA	561.67
	03/15/17	573.28	11.64	561.64		NA	NA	NA	561.64
	03/28/17	573.28	11.32	561.96		NA	NA	NA	561.96
	04/19/17	573.28	11.27	562.01		NA	NA	NA	562.01
	05/17/17	573.28	11.64	561.64		NA	NA	NA	561.64
	05/30/17	573.28	12.03	561.25		NA	NA	NA	561.25
	06/21/17	573.28	11.59	561.69		NA	NA	NA	561.69
	07/19/17	573.28	11.38	561.90		NA	NA	NA	561.90
	08/15/17	573.28	11.25	562.03		NA	NA	NA	562.03
	08/29/17	573.28	11.60	561.68		NA	NA	NA	561.68
	09/21/17	573.28	12.54	560.74		NA	NA	NA	560.74
	10/13/17	573.28	13.16	560.12		NA	NA	NA	560.12
	11/28/17	573.28	13.82	559.46	13.78	559.50	0.04	0.03	559.49
	12/14/17	573.28	14.13	559.15	14.09	559.19	0.04	0.03	559.18
	12/28/17	573.28	14.03	559.25		NA	NA	NA	559.25
	03/13/18	573.28	12.26	561.02		NA	NA	NA	561.02
	03/26/18	573.28	11.08	562.20		NA	NA	NA	562.20
	04/27/18	573.28	11.10	562.18		NA	NA	NA	562.18
	05/30/18	573.28	11.57	561.71		NA	NA	NA	561.71
	06/27/18	573.28	12.47	560.81		NA	NA	NA	560.81
	07/13/18	573.28	12.62	560.66		NA	NA	NA	560.66
	07/27/18	573.28	12.63	560.65		NA	NA	NA	560.65
	07/27/18	573.28	12.63	560.65		NA	NA	NA	560.65
	9/5/2018	573.28	13.97	559.31		NA	NA	NA	559.31
	9/26/2018	573.28	13.47	559.81		NA	NA	NA	559.81
	10/31/18	573.28	9.09	564.19		NA	NA	NA	564.19
	11/28/18	573.28	9.76	563.52		NA	NA	NA	563.52
	12/27/18	573.28	9.72	563.56		NA	NA	NA	563.56
	01/31/19	573.28	9.44	563.84		NA	NA	NA	563.84
	02/22/19	573.28	9.64	563.64		NA	NA	NA	563.64
	03/28/19	573.28	9.54	563.74		NA	NA	NA	563.74
	04/26/19	573.28	9.35	563.93		NA	NA	NA	563.93

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-5	Monitor Well Installed 05/24/12								
	06/07/12	573.97	11.25	562.72		NA	NA	NA	562.72
Screened	06/15/12	573.97	11.12	562.85		NA	NA	NA	562.85
Interval:	06/29/12	573.97	11.46	562.51		NA	NA	NA	562.51
5-25 ft.	07/16/12	573.97	11.80	562.17		NA	NA	NA	562.17
	07/19/12	573.97	12.54	561.43		NA	NA	NA	561.43
	07/23/12	573.97	NG	NG		NA	NA	NA	NG
	07/27/12	573.97	12.10	561.87		NA	NA	NA	561.87
	07/30/12	573.97	NG	NG		NA	NA	NA	NG
	08/01/12	573.97	NG	NG		NA	NA	NA	NG
	08/03/12	573.97	12.06	561.91		NA	NA	NA	561.91
	08/06/12	573.97	NG	NG		NA	NA	NA	NG
	08/08/12	573.97	NG	NG		NA	NA	NA	NG
	08/10/12	573.97	12.26	561.71		NA	NA	NA	561.71
	08/13/12	573.97	NG	NG		NA	NA	NA	NG
	08/15/12	573.97	NG	NG		NA	NA	NA	NG
	08/17/12	573.97	12.33	561.64		NA	NA	NA	561.64
	08/20/12	573.97	NG	NG		NA	NA	NA	NG
	08/22/12	573.97	NG	NG		NA	NA	NA	NG
	08/24/12	573.97	12.07	561.90		NA	NA	NA	561.90
	08/27/12	573.97	NG	NG		NA	NA	NA	NG
	08/29/12	573.97	NG	NG		NA	NA	NA	NG
	08/31/12	573.97	12.04	561.93		NA	NA	NA	561.93
	09/05/12	573.97	NG	NG		NA	NA	NA	NG
	09/07/12	573.97	12.26	561.71		NA	NA	NA	561.71
	09/10/12	573.97	NG	NG		NA	NA	NA	NG
	09/12/12	573.97	12.58	561.39		NA	NA	NA	561.39
	09/14/12	573.97	NG	NG		NA	NA	NA	NG
	09/17/12	573.97	NG	NG		NA	NA	NA	NG
	09/19/12	573.97	NG	NG		NA	NA	NA	NG
	09/21/12	573.97	12.66	561.31		NA	NA	NA	561.31
	09/24/12	573.97	NG	NG		NA	NA	NA	NG
	09/26/12	573.97	NG	NG		NA	NA	NA	NG
	09/28/12	573.97	12.74	561.23		NA	NA	NA	561.23
	10/01/12	573.97	12.56	561.41		NA	NA	NA	561.41
	10/03/12	573.97	NG	NG		NA	NA	NA	NG
	10/05/12	573.97	12.62	561.35		NA	NA	NA	561.35
	10/07/12	573.97	12.80	561.17		NA	NA	NA	561.17
	10/12/12	573.97	14.27	559.70		NA	NA	NA	559.70
	10/15/12	573.97	NG	NG		NA	NA	NA	NG
	10/18/12	573.97	13.03	560.94		NA	NA	NA	560.94
	10/22/12	573.97	NG	NG		NA	NA	NA	NG
	10/24/12	573.97	NG	NG		NA	NA	NA	NG
	10/26/12	573.97	13.14	560.83		NA	NA	NA	560.83
	10/29/12	573.97	NG	NG		NA	NA	NA	NG
	10/31/12	573.97	NG	NG		NA	NA	NA	NG
	11/02/12	573.97	13.03	560.94		NA	NA	NA	560.94
	11/30/12	573.97	NG	NG		NA	NA	NA	NG
	12/28/12	573.97	13.89	560.08		NA	NA	NA	560.08
	01/07/13	573.97	14.22	559.75		NA	NA	NA	559.75
	01/09/13	573.97	NG	NG		NA	NA	NA	NG
	01/11/13	573.97	NG	NG		NA	NA	NA	NG
	01/14/13	573.97	NG	NG		NA	NA	NA	NG
	01/16/13	573.97	NG	NG		NA	NA	NA	NG
	01/18/13	573.97	13.96	560.01		NA	NA	NA	560.01
	01/21/13	573.97	NG	NG		NA	NA	NA	NG
	01/23/13	573.97	NG	NG		NA	NA	NA	NG
	01/25/13	573.97	13.72	560.25		NA	NA	NA	560.25
	01/28/13	573.97	NG	NG		NA	NA	NA	NG
	01/30/13	573.97	NG	NG		NA	NA	NA	NG
	02/01/13	573.97	14.14	559.83		NA	NA	NA	559.83
	02/04/13	573.97	NG	NG		NA	NA	NA	NG
	02/06/13	573.97	NG	NG		NA	NA	NA	NG
	02/08/13	573.97	14.17	559.80		NA	NA	NA	559.80
	02/11/13	573.97	NG	NG		NA	NA	NA	NG
	02/13/13	573.97	NG	NG		NA	NA	NA	NG
	02/15/13	573.97	14.05	559.92		NA	NA	NA	559.92

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
	02/18/13	573.97	NG	NG		NA	NA	NA	NG
MW-5	02/20/13	573.97	NG	NG		NA	NA	NA	NG
	02/22/13	573.97	13.75	560.22		NA	NA	NA	560.22
	02/25/13	573.97	NG	NG		NA	NA	NA	NG
	02/28/13	573.97	NG	NG		NA	NA	NA	NG
	03/04/13	573.97	13.16	560.81		NA	NA	NA	560.81
	03/11/13	573.97	13.70	560.27		NA	NA	NA	560.27
	03/18/13	573.97	13.34	560.63		NA	NA	NA	560.63
	03/25/13	573.97	13.91	560.06		NA	NA	NA	560.06
	03/27/13	573.97	14.06	559.91		NA	NA	NA	559.91
	04/01/13	573.97	13.53	560.44		NA	NA	NA	560.44
	04/08/13	579.97	12.95	567.02		NA	NA	NA	567.02
	04/15/13	579.97	12.90	567.07		NA	NA	NA	567.07
	04/22/13	579.97	13.06	566.91		NA	NA	NA	566.91
	04/29/13	579.97	12.76	567.21		NA	NA	NA	567.21
	05/06/13	579.97	13.00	566.97		NA	NA	NA	566.97
	05/13/13	579.97	13.09	566.88		NA	NA	NA	566.88
	05/20/13	579.97	12.69	567.28		NA	NA	NA	567.28
	05/28/13	579.97	13.70	566.27		NA	NA	NA	566.27
	06/03/13	579.97	12.93	567.04		NA	NA	NA	567.04
	06/10/13	579.97	12.94	567.03		NA	NA	NA	567.03
	06/17/13	579.97	12.93	567.04		NA	NA	NA	567.04
	06/24/13	579.97	13.05	566.92		NA	NA	NA	566.92
	07/01/13	579.97	13.26	566.71		NA	NA	NA	566.71
	07/08/13	579.97	13.44	566.53		NA	NA	NA	566.53
	07/15/13	579.97	12.87	567.10		NA	NA	NA	567.10
	07/22/13	579.97	13.40	566.57		NA	NA	NA	566.57
	07/29/13	579.97	13.58	566.39		NA	NA	NA	566.39
	08/12/13	579.97	13.92	566.05		NA	NA	NA	566.05
	09/06/13	579.97	14.22	565.75		NA	NA	NA	565.75
	09/16/13	579.97	14.40	565.57		NA	NA	NA	565.57
	09/30/13	579.97	14.27	565.70		NA	NA	NA	565.70
	10/15/13	579.97	Equipment Malfunction						
	10/21/13	579.97	14.73	565.24		NA	NA	NA	565.24
	10/28/13	579.97	14.23	565.74		NA	NA	NA	565.74
	11/04/13	579.97	14.31	565.66		NA	NA	NA	565.66
	11/11/13	579.97	14.27	565.70		NA	NA	NA	565.70
	11/18/13	579.97	14.33	565.64		NA	NA	NA	565.64
	11/25/13	579.97	14.38	565.59		NA	NA	NA	565.59
	12/03/13	579.97	13.60	566.37		NA	NA	NA	566.37
	12/09/13	579.97	14.13	565.84		NA	NA	NA	565.84
	12/12/13	579.97	14.15	565.82		NA	NA	NA	565.82
	12/16/13	579.97	14.98	564.99		NA	NA	NA	564.99
	12/24/13	579.97	13.91	566.06		NA	NA	NA	566.06
	12/30/13	579.97	13.81	566.16		NA	NA	NA	566.16
	01/09/14	579.97	13.64	566.33		NA	NA	NA	566.33
	01/13/14	579.97	13.51	566.46		NA	NA	NA	566.46
	01/20/14	579.97	13.41	566.56		NA	NA	NA	566.56
	01/27/14	579.97	13.85	566.12		NA	NA	NA	566.12
	02/05/14	579.97	14.29	565.68		NA	NA	NA	565.68
	02/18/14	579.97	13.76	566.21		NA	NA	NA	566.21
	03/04/14	579.97	14.14	565.83		NA	NA	NA	565.83
	03/10/14	579.97	14.15	565.82		NA	NA	NA	565.82
	03/17/14	579.97	15.15	564.82		NA	NA	NA	564.82
	03/31/14	579.97	13.96	566.01		NA	NA	NA	566.01
	04/14/14	579.97	14.06	565.91		NA	NA	NA	565.91
	04/28/14	579.97	13.40	566.57		NA	NA	NA	566.57
	05/12/14	579.97	13.68	566.29		NA	NA	NA	566.29
	05/27/14	579.97	13.65	566.32		NA	NA	NA	566.32
	06/11/14	579.97	13.79	566.18		NA	NA	NA	566.18
	06/24/14	579.97	14.10	565.87		NA	NA	NA	565.87
	07/08/14	579.97	14.08	565.89		NA	NA	NA	565.89
	07/21/14	579.97	14.12	565.85		NA	NA	NA	565.85
	08/04/14	579.97	14.60	565.37		NA	NA	NA	565.37
	08/18/14	579.97	14.66	565.31		NA	NA	NA	565.31
	09/02/14	579.97	14.93	565.04		NA	NA	NA	565.04

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-5	09/15/14	579.97	14.78	565.19		NA	NA	NA	565.19
	09/29/14	579.97	15.21	564.76		NA	NA	NA	564.76
	10/13/14	579.97	14.08	565.89		NA	NA	NA	565.89
	10/27/14	579.97	14.83	565.14		NA	NA	NA	565.14
	11/10/14	579.97	14.93	565.04		NA	NA	NA	565.04
	11/24/14	579.97	15.42	564.55		NA	NA	NA	564.55
	12/09/14	579.97	15.78	564.19		NA	NA	NA	564.19
	12/17/14	579.97	15.78	564.19		NA	NA	NA	564.19
	12/23/14	579.97	15.40	564.57		NA	NA	NA	564.57
	01/06/15	579.97	15.66	564.31		NA	NA	NA	564.31
	01/23/15	579.97	15.47	564.50		NA	NA	NA	564.50
	02/03/15	579.97	15.16	564.81		NA	NA	NA	564.81
	02/19/15	579.97	15.33	564.64		NA	NA	NA	564.64
	03/12/15	579.97	13.86	566.11		NA	NA	NA	566.11
	03/24/15	579.97	13.14	566.83		NA	NA	NA	566.83
	04/08/15	579.97	12.90	567.07		NA	NA	NA	567.07
	04/23/15	579.97	12.59	567.38		NA	NA	NA	567.38
	05/10/15	579.97	11.01	568.96		NA	NA	NA	568.96
	05/20/15	579.97	11.35	568.62		NA	NA	NA	568.62
	06/03/15	579.97	10.35	569.62		NA	NA	NA	569.62
	06/11/15	579.97	10.28	569.69		NA	NA	NA	569.69
	06/19/15	579.97	10.63	569.34		NA	NA	NA	569.34
	07/02/15	579.97	10.51	569.46		NA	NA	NA	569.46
	07/15/15	579.97	10.73	569.24		NA	NA	NA	569.24
	07/29/15	579.97	11.29	568.68		NA	NA	NA	568.68
	08/03/15	579.97	11.33	568.64		NA	NA	NA	568.64
	08/12/15	579.97	11.86	568.11		NA	NA	NA	568.11
	08/26/15	579.97	12.27	567.70		NA	NA	NA	567.70
	09/09/15	579.97	15.57	564.40		NA	NA	NA	564.40
	09/23/15	579.97	12.94	567.03		NA	NA	NA	567.03
	10/07/15	579.97	13.42	566.55		NA	NA	NA	566.55
	10/21/15	579.97	13.87	566.10		NA	NA	NA	566.10
	11/04/15	579.97	12.49	567.48		NA	NA	NA	567.48
	11/18/15	579.97	11.87	568.10		NA	NA	NA	568.10
	12/02/15	579.97	11.85	568.12		NA	NA	NA	568.12
	12/16/15	579.97	10.75	569.22		NA	NA	NA	569.22
	12/30/15	579.97	10.86	569.11		NA	NA	NA	569.11
	01/14/16	579.97	10.09	569.88		NA	NA	NA	569.88
	01/28/16 (MDPE)	579.97	10.91	569.06		NA	NA	NA	569.06
	02/03/16	579.97	10.87	569.10		NA	NA	NA	569.10
	02/10/16	579.97	10.67	569.30		NA	NA	NA	569.30
	02/24/16	579.97	10.84	569.13		NA	NA	NA	569.13
	03/09/16	579.97	10.57	569.40		NA	NA	NA	569.40
	03/16/16	579.97	10.50	569.47		NA	NA	NA	569.47
	03/26/16	579.97	9.87	570.10		NA	NA	NA	570.10
	04/13/16	579.97	10.48	569.49		NA	NA	NA	569.49
	04/28/16	579.97	10.05	569.92		NA	NA	NA	569.92
	05/11/16	579.97	10.07	569.90		NA	NA	NA	569.90
	06/09/16	579.97	9.39	570.58		NA	NA	NA	570.58
	06/16/16	579.97	9.44	570.53		NA	NA	NA	570.53
	06/22/16	579.97	9.56	570.41		NA	NA	NA	570.41
	07/08/16	579.97	9.95	570.02		NA	NA	NA	570.02
	07/22/16	579.97	10.23	569.74		NA	NA	NA	569.74
	08/03/16	579.97	10.53	569.44		NA	NA	NA	569.44
	09/21/16	579.97	11.49	568.48		NA	NA	NA	568.48
	10/05/16	579.97	11.54	568.43		NA	NA	NA	568.43
	10/18/16	579.97	11.65	568.32		NA	NA	NA	568.32
	11/09/16	579.97	12.33	567.64		NA	NA	NA	567.64
	12/16/16	579.97	12.25	567.72		NA	NA	NA	567.72
	01/25/17	579.97	12.63	567.34		NA	NA	NA	567.34
	02/08/17	579.97	12.39	567.58		NA	NA	NA	567.58
	02/22/17	579.97	12.20	567.77		NA	NA	NA	567.77
	03/15/17	579.97	12.24	567.73		NA	NA	NA	567.73
	03/28/17	579.97	12.02	567.95		NA	NA	NA	567.95
	04/19/17	579.97	12.00	567.97		NA	NA	NA	567.97
	05/17/17	579.97	12.19	567.78		NA	NA	NA	567.78
	05/30/17	579.97	12.53	567.44		NA	NA	NA	567.44
	06/21/17	579.97	12.15	567.82		NA	NA	NA	567.82
	07/19/17	579.97	11.92	568.05		NA	NA	NA	568.05

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
	08/15/17	579.97	11.72	568.25		NA	NA	NA	568.25
MW-5	08/29/17	579.97	11.99	567.98		NA	NA	NA	567.98
	09/21/17	579.97	12.73	567.24		NA	NA	NA	567.24
	10/13/17	579.97	13.36	566.61		NA	NA	NA	566.61
	11/28/17	579.97	13.93	566.04		NA	NA	NA	566.04
	12/14/17	579.97	14.21	565.76		NA	NA	NA	565.76
	12/28/17	579.97	14.38	565.59		NA	NA	NA	565.59
	03/13/18	579.97	12.36	567.61		NA	NA	NA	567.61
	03/26/18	579.97	11.97	568.00		NA	NA	NA	568.00
	04/27/18	579.97	11.85	568.12		NA	NA	NA	568.12
	05/30/18	579.97	11.85	568.12		NA	NA	NA	568.12
	06/27/18	579.97	12.72	567.25		NA	NA	NA	567.25
	07/13/18	579.97	12.92	567.05		NA	NA	NA	567.05
	07/27/18	579.97	12.97	567.00		NA	NA	NA	567.00
	09/05/18	579.97	14.04	565.93		NA	NA	NA	565.93
	09/26/18	579.97	13.35	566.62		NA	NA	NA	566.62
	10/31/18	579.97	10.04	569.93		NA	NA	NA	569.93
	11/28/18	579.97	10.28	569.69		NA	NA	NA	569.69
	12/27/18	579.97	10.31	569.66		NA	NA	NA	569.66
	01/31/19	579.97	10.03	569.94		NA	NA	NA	569.94
	02/22/19	579.97	10.31	569.66		NA	NA	NA	569.66
	03/28/19	579.97	10.18	569.79		NA	NA	NA	569.79
	04/26/19	579.97	10.15	569.82		NA	NA	NA	569.82
MW-6	03/18/13	572.49	13.12	559.37		NA	NA	NA	559.37
	03/25/13	572.49	13.27	559.22		NA	NA	NA	559.22
Screened	03/27/13	572.49	13.11	559.38		NA	NA	NA	559.38
Interval:	04/01/13	572.49	12.58	559.91		NA	NA	NA	559.91
7-24 ft.	04/08/13	572.49	12.05	560.44		NA	NA	NA	560.44
	04/15/13	572.49	12.01	560.48		NA	NA	NA	560.48
	04/22/13	572.49	12.06	560.43		NA	NA	NA	560.43
	04/29/13	572.49	11.85	560.64		NA	NA	NA	560.64
	05/06/13	572.49	12.10	560.39		NA	NA	NA	560.39
	05/13/13	572.49	12.23	560.26		NA	NA	NA	560.26
	05/20/13	572.49	11.95	560.54		NA	NA	NA	560.54
	05/28/13	572.49	11.97	560.52		NA	NA	NA	560.52
	06/03/13	572.49	12.24	560.25		NA	NA	NA	560.25
	06/10/13	572.49	12.30	560.19		NA	NA	NA	560.19
	06/17/13	572.49	12.37	560.12		NA	NA	NA	560.12
	06/24/13	572.49	12.49	560.00		NA	NA	NA	560.00
	07/01/13	572.49	12.81	559.68		NA	NA	NA	559.68
	07/08/13	572.49	13.10	559.39		NA	NA	NA	559.39
	07/15/13	572.49	13.01	559.48		NA	NA	NA	559.48
	07/22/13	572.49	13.20	559.29		NA	NA	NA	559.29
	07/29/13	572.49	13.33	559.16		NA	NA	NA	559.16
	08/12/13	572.49	13.73	558.76		NA	NA	NA	558.76
	09/06/13	572.49	14.11	558.38		NA	NA	NA	558.38
	09/16/13	572.49	14.30	558.19		NA	NA	NA	558.19
	09/30/13	572.49	14.07	558.42		NA	NA	NA	558.42
	10/15/13	572.49	Equipment Malfunction						
	10/21/13	572.49	13.89	558.60		NA	NA	NA	558.60
	10/28/13	572.49	14.00	558.49		NA	NA	NA	558.49
	11/04/13	572.49	14.15	558.34		NA	NA	NA	558.34
	11/11/13	572.49	14.10	558.39		NA	NA	NA	558.39
	11/18/13	572.49	13.91	558.58		NA	NA	NA	558.58
	11/25/13	572.49	13.96	558.53		NA	NA	NA	558.53
	12/03/13	572.49	13.76	558.73		NA	NA	NA	558.73
	12/09/13	572.49	13.80	558.69		NA	NA	NA	558.69
	12/12/13	572.49	14.13	558.36		NA	NA	NA	558.36
	12/16/13	572.49	13.28	559.21		NA	NA	NA	559.21
	12/24/13	572.49	13.09	559.40		NA	NA	NA	559.40
	12/30/13	572.49	13.97	558.52		NA	NA	NA	558.52
	01/09/14	572.49	13.13	559.36		NA	NA	NA	559.36
	01/13/14	572.49	12.91	559.58		NA	NA	NA	559.58
	01/20/14	572.49	12.81	559.68		NA	NA	NA	559.68
	01/27/14	572.49	13.08	559.41		NA	NA	NA	559.41
	02/05/14	572.49	13.51	558.98		NA	NA	NA	558.98
	02/18/14	572.49	13.18	559.31		NA	NA	NA	559.31
	03/04/14	572.49	13.50	558.99		NA	NA	NA	558.99
	03/10/14	572.49	13.48	559.01		NA	NA	NA	559.01

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-6	03/17/14	572.49	13.39	559.10		NA	NA	NA	559.10
	03/31/14	572.49	13.22	559.27		NA	NA	NA	559.27
	04/14/14	572.49	13.25	559.24		NA	NA	NA	559.24
	04/28/14	572.49	13.25	559.24		NA	NA	NA	559.24
	05/12/14	572.49	13.09	559.40		NA	NA	NA	559.40
	05/27/14	572.49	13.17	559.32		NA	NA	NA	559.32
	06/11/14	572.49	13.48	559.01		NA	NA	NA	559.01
	06/24/14	572.49	13.63	558.86		NA	NA	NA	558.86
	07/08/14	572.49	14.06	558.43		NA	NA	NA	558.43
	07/21/14	572.49	13.37	559.12		NA	NA	NA	559.12
	08/04/14	572.49	14.79	557.70		NA	NA	NA	557.70
	08/18/14	572.49	14.64	557.85		NA	NA	NA	557.85
	09/02/14	572.49	15.21	557.28		NA	NA	NA	557.28
	09/15/14	572.49	15.27	557.22		NA	NA	NA	557.22
	09/29/14	572.49	15.18	557.31		NA	NA	NA	557.31
	10/13/14	572.49	14.32	558.17		NA	NA	NA	558.17
	10/27/14	572.49	14.97	557.52		NA	NA	NA	557.52
	11/10/14	572.49	14.92	557.57		NA	NA	NA	557.57
	11/24/14	572.49	15.27	557.22		NA	NA	NA	557.22
	12/09/14	572.49	15.54	556.95		NA	NA	NA	556.95
	12/17/14	572.49	15.67	556.82		NA	NA	NA	556.82
	12/23/14	572.49	15.56	556.93		NA	NA	NA	556.93
	01/06/15	572.49	15.38	557.11		NA	NA	NA	557.11
	01/23/15	572.49	15.16	557.33		NA	NA	NA	557.33
	02/03/15	572.49	14.69	557.80		NA	NA	NA	557.80
	02/19/15	572.49	13.73	558.76		NA	NA	NA	558.76
	03/12/15	572.49	12.55	559.94		NA	NA	NA	559.94
	03/24/15	572.49	12.31	560.18		NA	NA	NA	560.18
	04/08/15	572.49	12.14	560.35		NA	NA	NA	560.35
	04/23/15	572.49	11.65	560.84		NA	NA	NA	560.84
	05/10/15	572.49	10.38	562.11		NA	NA	NA	562.11
	05/20/15	572.49	10.05	562.44		NA	NA	NA	562.44
	06/03/15	572.49	9.29	563.20		NA	NA	NA	563.20
	06/11/15	572.49	9.22	563.27		NA	NA	NA	563.27
	06/19/15	572.49	9.41	563.08		NA	NA	NA	563.08
	07/02/15	572.49	9.35	563.14		NA	NA	NA	563.14
	07/15/15	572.49	9.69	562.80		NA	NA	NA	562.80
	07/29/15	572.49	10.45	562.04		NA	NA	NA	562.04
	08/03/15	572.49	10.86	561.63		NA	NA	NA	561.63
	08/12/15	572.49	11.50	560.99		NA	NA	NA	560.99
	08/26/15	572.49	11.91	560.58		NA	NA	NA	560.58
	09/09/15	572.49	12.31	560.18		NA	NA	NA	560.18
	09/23/15	572.49	12.84	559.65		NA	NA	NA	559.65
	10/07/15	572.49	13.42	559.07		NA	NA	NA	559.07
	10/21/15	572.49	13.96	558.53		NA	NA	NA	558.53
	11/04/15	572.49	11.69	560.80		NA	NA	NA	560.80
	11/18/15	572.49	11.58	560.91		NA	NA	NA	560.91
	12/02/15	572.49	9.80	562.69		NA	NA	NA	562.69
	12/16/15	572.49	9.73	562.76		NA	NA	NA	562.76
	12/30/15	572.49	9.54	562.95		NA	NA	NA	562.95
	01/14/16	572.49	9.31	563.18		NA	NA	NA	563.18
	01/28/16 (MDPE)	572.49	9.83	562.66		NA	NA	NA	562.66
	02/03/16	572.49	10.10	562.39		NA	NA	NA	562.39
	02/10/16	572.49	9.93	562.56		NA	NA	NA	562.56
	02/24/16	572.49	10.14	562.35		NA	NA	NA	562.35
	03/09/16	572.49	9.90	562.59		NA	NA	NA	562.59
	03/16/16	572.49	9.80	562.69		NA	NA	NA	562.69
	03/23/16	572.49	9.57	562.92		NA	NA	NA	562.92
	04/13/16	572.49	9.65	562.84		NA	NA	NA	562.84
	04/28/16	572.49	9.64	562.85		NA	NA	NA	562.85
	05/11/16	572.49	9.73	562.76		NA	NA	NA	562.76
	06/09/16	572.49	9.49	563.00		NA	NA	NA	563.00
	06/16/16	572.49	9.35	563.14		NA	NA	NA	563.14
	06/22/16	572.49	9.35	563.14		NA	NA	NA	563.14
	07/08/16	572.49	9.75	562.74		NA	NA	NA	562.74
	07/22/16	572.49	9.86	562.63		NA	NA	NA	562.63

Table 2

CUMULATIVE DATA-POTENTIOMETRIC SURFACE ELEVATIONS AND PHASE-SEPARATED HYDROCARBON THICKNESS
7-Eleven, Inc. Store No. 26342
101 E. Glade Road
Euless, Texas
LPST ID No. 118951; Facility ID No. 9224

Well ID	Date Gauged	*TOC Elevation	Depth to Water	Water Elevation	Depth to PSH	PSH Elevation	PSH Thickness	Hydro Equivalent	Correlated Water Elevation
MW-6	08/03/16	572.49	10.15	562.34		NA	NA	NA	562.34
	09/21/16	572.49	11.43	561.06		NA	NA	NA	561.06
	10/05/16	572.49	11.89	560.60		NA	NA	NA	560.60
	10/18/16	572.49	11.61	560.88		NA	NA	NA	560.88
	11/09/16	572.49	12.30	560.19		NA	NA	NA	560.19
	12/16/16	572.49	11.78	560.71		NA	NA	NA	560.71
	01/25/17	572.49	12.28	560.21		NA	NA	NA	560.21
	02/08/17	572.49	12.06	560.43		NA	NA	NA	560.43
	02/22/17	572.49	11.52	560.97		NA	NA	NA	560.97
	03/15/17	572.49	11.56	560.93		NA	NA	NA	560.93
	03/28/17	572.49	11.53	560.96		NA	NA	NA	560.96
	04/19/17	572.49	11.50	560.99		NA	NA	NA	560.99
	05/17/17	572.49	11.82	560.67		NA	NA	NA	560.67
	05/30/17	572.49	12.13	560.36		NA	NA	NA	560.36
	06/21/17	572.49	11.90	560.59		NA	NA	NA	560.59
	07/19/17	572.49	11.63	560.86		NA	NA	NA	560.86
	08/21/17	572.49	11.30	561.19		NA	NA	NA	561.19
	08/29/17	572.49	11.81	560.68		NA	NA	NA	560.68
	09/21/17	572.49	12.52	559.97		NA	NA	NA	559.97
	10/13/17	572.49	13.22	559.27		NA	NA	NA	559.27
	11/28/17	572.49	13.78	558.71		NA	NA	NA	558.71
	12/14/17	572.49	14.06	558.43		NA	NA	NA	558.43
	12/28/17	572.49	13.88	558.61		NA	NA	NA	558.61
	03/13/18	572.49	10.82	561.67		NA	NA	NA	561.67
	03/26/18	572.49	10.72	561.77		NA	NA	NA	561.77
	04/27/18	572.49	10.90	561.59		NA	NA	NA	561.59
	05/30/18	572.49	11.47	561.02		NA	NA	NA	561.02
	06/27/18	572.49	12.28	560.21		NA	NA	NA	560.21
	7/13//18	572.49	12.62	559.87		NA	NA	NA	559.87
	07/27/18	572.49	12.69	559.80		NA	NA	NA	559.80
	09/05/18	572.49	14.31	558.18		NA	NA	NA	558.18
	09/26/18	572.49	12.38	560.11		NA	NA	NA	560.11
	10/31/18	572.49	9.01	563.48		NA	NA	NA	563.48
	11/28/18	572.49	9.69	562.80		NA	NA	NA	562.80
	12/27/18	572.49	10.14	562.35		NA	NA	NA	562.35
	01/31/19	572.49	9.51	562.98		NA	NA	NA	562.98
	02/22/19	572.49	9.73	562.76		NA	NA	NA	562.76
	03/28/19	572.49	10.06	562.43		NA	NA	NA	562.43
	04/26/19	572.49	9.70	562.79		NA	NA	NA	562.79
MW-7	Monitor Well Installed 03/22/18								
Screened Interval: 3-18 ft.	03/26/18	572.96	11.28	561.68		NA	NA	NA	561.68
	04/27/18	572.96	11.40	561.56		NA	NA	NA	561.56
	06/27/18	572.96	12.92	560.04		NA	NA	NA	560.04
	09/05/18	572.96	14.24	558.72		NA	NA	NA	558.72
	09/26/18	572.96	13.01	559.95		NA	NA	NA	559.95
	10/31/18	572.96	9.47	563.49		NA	NA	NA	563.49
	11/28/18	572.96	10.84	562.12		NA	NA	NA	562.12
	12/27/18	572.96	10.10	562.86		NA	NA	NA	562.86
	01/31/19	572.96	9.81	563.15		NA	NA	NA	563.15
	02/22/19	572.96	9.87	563.09		NA	NA	NA	563.09
	03/28/19	572.96	9.80	563.16		NA	NA	NA	563.16
	04/26/19	572.96	9.75	563.21		NA	NA	NA	563.21
MW-8	Monitor Well Installed 11/29/18								
Screened Interval: 5-20 ft.	12/27/18	573.60	10.35	563.25		NA	NA	NA	563.25
	01/31/19	573.60	10.53	563.07		NA	NA	NA	563.07
	02/22/19	573.60	10.65	562.95		NA	NA	NA	562.95
	03/28/19	573.60	10.41	563.19		NA	NA	NA	563.19
	04/26/19	573.60	9.95	563.65		NA	NA	NA	563.65

NA = Not Applicable.
NG= Not gauged.
NM = Not Measured, due to equipment failure.
*PSH thickness was not measured due to Interface-Probe malfunction.
- indicates quarterly groundwater sampling gauging date.
Passive Skimmer installed in MW-3 on 1/23/18.

APPENDIX A

LABORATORY ANALYSIS ANALYTICAL DATA WITH LABORATORY QA/QC DOCUMENTATION AND CHAIN-OF-CUSTODY FORMS, AND INDEPENDENT REVIEW OF LABORATORY DATA PACKAGE

Texas Commission on Environmental Quality - Remediation Division

CONTRACTOR LABORATORY ANALYTICAL DATA CERTIFICATION

Contractor Laboratory Analytical Data Certification is a requirement of the Petroleum Storage Tank Programs (PST) Quality Assurance Project Plan (QAPP). This form must be completed by the contractor performing work for the PST Program and included in all reports that contain laboratory analytical data. Form should be filed as the first page of the laboratory analysis results, followed immediately with the laboratory NELAP accreditation certificate.

☑ Contractor performing work for the PST Program certifies that analytical data has been reviewed and evaluated for technical acceptability, including problems and anomalies associated with the data.

☑ Contractor performing work for the PST Program certifies that a determination has been made of usability of analytical data, with regard to project objectives.

☑ Contractor performing work for the PST Program certifies the laboratory was NELAP accredited under the Texas Laboratory Accreditation Program at the time of data generation for the matrices, methods, and parameters of analysis or a regulatory exception under 30 TAC 25.6 has been approved by the PST Program.

☑ Contractor confirms the report includes documentation of laboratory accreditation or the regulatory exception the PST Program approved for matrices, methods, and parameters of analysis.

S. Paranjape	SUSHAMA PARANJAPE
Contractor Certifier Signature	Contractor Certifier Printed Name
Aptim Environmental & Infrastructure, Inc.	7-Eleven, Inc., Store Number 26342
Contractor Name	Site ID Number
01/22/2019	
Date	

Rev: 08/11/10 DRB

Data Review/Validation Checklist: Data Package Completeness				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1			Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R1 Date of sample collection included?	X			
R1 Sample receipt temperature ≤ 6°C?	X			
R1 Signed C-O-Cs included?	X			
R2 Field I.D. included?	X			
R2 Laboratory I.D. included?	X			
R3 Date of analysis included?	X			
R3 Date of sample prep. included?	X			
R3 Detection levels included?	X			
R3 Holding time to analysis expired?		X		
R3 Holding time to prep expired?		X		
R3 Met method quantitation limits?	X			
R3 Method reference included?	X			
R3 Sample matrix included?	X			
R3 Sample results included?	X			
R9 Evaluate unadjusted MQLs?	X			
R10 Exception reports included, where required?	X			
R10 Are justifications for elevated SQLs provided?			X	SQLs elevated due to dilution.
Definitions: AA – Atomic Absorption; %D – Percent Difference; ICP – Inductively Coupled Plasma; IDL – Instrument Detection Limit; MDL – Method Detection Limit; %R – Percent Recovery; RF – Response Factor; RPD – Relative Percent Difference; RRT – Relative Retention Times; RSD – Relative Standard Deviation				
COMMENTS				
Data are acceptable as reported by the laboratory.				

Data Usability Review/Validation Checklist: GC/MS QC, Method SW846-8260B				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1		Date Sampled: 12/27/2018	
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R4 Surrogate Data Included in Lab Package?	X			
Required surrogates included?	X			
Recoveries within limits (see below OR Lab Limits or **60-140%**)? (Reject <10%R)	X			
Areas within limits? (within -50% to+100% of last calibration check)	X			
RRT within limits? (< 30 sec. difference from last calibration check)	X			
R5 Method Blank Data Included in Lab Package?	X			
Criteria met? (<10X RL for lab contamination; <5XRL for others))	X			
R6 QC Check Samples/LCS Data Included in Lab Package?	X			
% Recovery criteria met? Lab Limits OR **60-140%**	X			
R7 Matrix Spike Data Included in Lab Package?	X			
%R criteria met? Lab Limits or **60-140%**	X			
RPD criteria met? **40 %** OR 25 RPD H_20, 50 RPD Soils or Lab	X			
S1 Initial Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
%RSD criteria met for CCC?**; (<30%RSD for CCC; >15% RSD must have fit)	X			According to the LRC.
S2 Continuing Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
% Difference (%D) criteria met for CCC?** 20% D Max; Qualify if >25%D	X			According to the LRC.
S3 Instrument Tune for GC-MS Included In Lab Package?		X		
S4 Internal Standard Data Included in Lab Package?		X		

Data Usability Review/Validation Checklist: GC/MS QC (continued), Method SW846-8260B			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1		Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019		

SURROGATE	H_2O (%R)	SOIL (%R)	NOTES:
1,2-Dichloroethane-d_4	80-120	80-120	
Dibromofluoromethane	86-118	80-120	
Toluene-d_8	88-110	81-117	
Bromofluorobenzene	86-115	74-121	
Nitrobenzene-d_5	35-114	23-120	
2-Fluorobiphenyl	43-116	30-115	
Terphenyl-d_{14}	33-141	18-137	
Phenol-d_5	10-94	24-113	
2-Fluorophenol	21-100	25-121	
2,4,6-Tribromophenol	10-123	19-122	
2-Chlorophenol-d_4	33-110	20-130	
1,2-Dichlorobenzene-d_4	16-110	20-130	

COMMENTS

LRC: Laboratory Review Checklist.

Notes:

1. Circle applicable QC criteria.
2. Repeat form as needed.

* SPCC (System Performance Check Compounds): chloromethane (0.1), 1,1-dichloroethane (0.1), bromoform (0.1), 1,1,2,2-tetrachloroethane (0.3) and chlorobenzene (0.3) (volatiles); nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-4-dinitrophenol and 4-nitrophenol (semi-volatiles.)

** CCC (Calibration Check Compounds) are 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride (volatiles); acenaphthene, 1,4-dichlorobenzene, hexachlorobutadiene, nitroso-di-n-phenylamine, di-n-octylphthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, and 2,4,6-trichlorophenol.

Data Usability Review/Validation Checklist: Gas Chromatography QC- Method TCEQ 1005				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1			Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R4 Surrogate Data Included in Lab Package? Required Surrogates Included? %R criteria met? **60-140%** (Reject <10%R)	X X X			
R5 Method Blank Data Included in Lab Package? Criteria met? (**<RL**)	X X			
R6 QC Check Samples/LCS Data Included in Lab Package? %R criteria met? **60-140%** or Lab Limits or DQO Limits	X X			
R7 Matrix Spike Data Included in Lab Package? %R criteria met? **60-140%** or Lab Limits or DQO Limits RPD criteria met? RPD **<40%**		X	 X X	
S1 Initial Calibration Documentation Included in Lab Package? %RSD criteria met? (**<25%**)	 X	X		According to the LRC.
S2 Calibration Verification Data Included in Lab Package? % RPD criteria met? (**<25%**)	 X	X		According to the LRC.
COMMENTS				
LRC: Laboratory Review Checklist.				
Notes: 1. Circle applicable QC criteria used in the evaluation of the data. 2 Repeat form as needed.				

Determination of Data Usability Qualifiers for Organics		
Client Name: 7-Eleven, Inc.	Project Number: 153488	
Store Number: 26342	Project Manager: Alex Mebrahtu	
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1	Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019	

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier
Preservation (R1)			
Outside specifications	None	None	None
Holding Times (R2)			
Outside specifications	None	None	None
Grossly outside specifications	None	None	None
Surrogate Spikes (R4)			
%R above specifications for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R below specifications but >10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R <10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R outside specifications for two or more surrogates in more than one direction	None	None	None
Laboratory Blanks (R5)			
Analyte present above MDL	None	None	None
Field QC Blanks (FB)			
Analyte present above MDL	N/A	N/A	N/A
Laboratory Control Sample (LCS) (R6)			
%R above specifications	None	None	None
%R below specifications and greater than 10%	None	None	None
%R below 10%	None	None	None
Matrix Spike (MS) (R7)			
%R above specifications	None	None	None

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-1	Date Sampled: 12/27/2018	
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019		

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier
%R below specifications and greater than 10%	None	None	None
%R below10%	None	None	None
Note: If the spiking amount is less than four times the result in the unspiked parent sample, the MS/MSD data may not represent the matrix effect, and professional judgment should be used in evaluating and qualifying the data.			
Duplicate Sample Analysis (including MSD) (R7, R8)			
RPD outside specifications and result >5X MQL	None	None	None
RPD outside specifications and results < 5X MQL	None	None	None
Field Duplicate Analysis			
RPD outside specifications and analyte conc. >5X MQL	N/A	N/A	N/A
RPD outside specifications and analyte conc. <5X MQL	N/A	N/A	N/A
Initial Calibration (S1)			
Outside specifications	None	None	None
Initial and/or Continuing Calibration Verification (ICV/CCV) (S2)			
Outside specifications	None	None	None
Internal Standard Area Counts (S4)			
Above specifications	None	None	None
Below specifications	None	None	None
Dual Column Confirmation (S6)			
Results agree > 40% and co-elution suspected	N/A	N/A	N/A
Not performed	N/A	N/A	N/A
Note: Where historical data, such as groundwater monitoring data, have documented the presence of analyte, second column confirmation may not be warranted during routine monitoring analyses.			
Tentatively Identified Compounds (S7) **(if requested)**			
TIC analysis performed.	N/A	N/A	N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-165901-1
Client Project/Site: 7-11 No 26342,EL(TX)

For:
Aptim Environmental & Infrastructure Inc
12005 Ford Road, Suite 600
Dallas, Texas 75234

Attn: Alex Mebrahtu

Authorized for release by:
1/7/2019 12:52:20 PM

Leah Klingensmith, Senior Project Manager

[redacted]

Table of Contents

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-165901-1	MW-1	Water	12/27/18 14:35	12/29/18 11:33
490-165901-2	MW-2R	Water	12/27/18 14:10	12/29/18 11:33
490-165901-3	MW-4	Water	12/27/18 15:55	12/29/18 11:33
490-165901-4	MW-5	Water	12/27/18 13:35	12/29/18 11:33
490-165901-5	MW-6	Water	12/27/18 15:10	12/29/18 11:33
490-165901-6	MW-7	Water	12/27/18 17:20	12/29/18 11:33
490-165901-7	MW-8	Water	12/27/18 17:00	12/29/18 11:33

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Nashville job number 490-165901-1 and consists of:

- ☑ 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.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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.

Leah Klingensmith		1/7/2019
Name (printed)	Signature	Date

Senior Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/7/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-1
Reviewer Name:	Leah Klingensmith		

#[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			R01A
		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			R07B
		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 - Page 3 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/7/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-1
Reviewer Name:	Leah Klingensmith		

#[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 (ICV 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 - Page 4 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/7/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-1
Reviewer Name:	Leah Klingensmith		

ER #[1]	Description
R01A	One VOA vial for the following sample was received empty: MW-2R (490-165901-2).
R07B	Method TX 1005: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-567365.

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).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

ANALYSIS DATE: 9/26/18

BATCH: 545943

METHOD: 5030 8260

ANALYST: J.Redmond

INSTRUMENT: HP-34

MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
1,1,1,2-Tetrachloroethane	0.5	0.15	0.4717	ug/L	Pass
1,1,1-Trichloroethane	0.5	0.19	0.4856	ug/L	Pass
1,1,2,2-Tetrachloroethane	0.5	0.19	0.4662	ug/L	Pass
1,1,2-Trichloro-1,2,2-trifluoroeth	0.5	0.15	0.3616	ug/L	Pass
1,1,2-Trichloroethane	0.5	0.19	0.5009	ug/L	Pass
1,1-Dichloroethane	0.5	0.24	0.4988	ug/L	Pass
1,1-Dichloroethene	0.5	0.25	0.3516	ug/L	Pass
1,1-Dichloropropene	0.5	0.20	0.4610	ug/L	Pass
1,2,3-Trichlorobenzene	0.5	0.23	0.4812	ug/L	Pass
1,2,3-Trichloropropane	1	0.23	1.0401	ug/L	Pass
1,2,3-Trimethylbenzene	0.5	0.10	0.4715	ug/L	Pass
1,2,4-Trichlorobenzene	0.5	0.20	0.4408	ug/L	Pass
1,2,4-Trimethylbenzene	0.5	0.17	0.4671	ug/L	Pass
1,2-Dibromo-3-Chloropropane	5	0.94	3.8368	ug/L	Pass
1,2-Dichlorobenzene	0.5	0.19	0.4527	ug/L	Pass
1,2-Dichloroethane	0.5	0.20	0.5626	ug/L	Pass
1,2-Dichloropropane	0.5	0.25	0.5150	ug/L	Pass
1,3,5-Trichlorobenzene	0.5	0.18	0.4767	ug/L	Pass
1,3,5-Trimethylbenzene	0.5	0.17	0.4886	ug/L	Pass
1,3-Dichlorobenzene	0.5	0.18	0.4966	ug/L	Pass
1,3-Dichloropropane	0.5	0.19	0.4461	ug/L	Pass
1,4-Dichlorobenzene	0.5	0.17	0.5079	ug/L	Pass
2,2-Dichloropropane	0.5	0.16	0.4717	ug/L	Pass
2-Butanone (MEK)	5	2.64	4.5438	ug/L	Pass
2-Chloro-1,3-butadiene	5	1.67	6.0297	ug/L	Pass
2-Chloroethyl vinyl ether	1	0.67	1.0530	ug/L	Pass
2-Chlorotoluene	0.5	0.18	0.5257	ug/L	Pass
2-Hexanone	2.5	1.28	2.0975	ug/L	Pass
2-Methyl-2-propanol	10	3.9	10.0880	ug/L	Pass
2-Nitropropane	2	0.40	2.1363	ug/L	Pass
4-Chlorotoluene	0.5	0.17	0.5074	ug/L	Pass
4-Isopropyltoluene	0.5	0.17	0.4839	ug/L	Pass
4-Methyl-2-pentanone (MIBK)	2.5	0.81	2.1917	ug/L	Pass
Acetone	2.5	2.66	3.3599	ug/L	Pass
Acetonitrile	10	5.18	8.5943	ug/L	Pass
Acrylonitrile	5	0.50	4.4300	ug/L	Pass
Benzene	0.5	0.20	0.5179	ug/L	Pass
Bromobenzene	0.5	0.21	0.5731	ug/L	Pass
Bromoform	0.5	0.29	0.4697	ug/L	Pass
Bromomethane	0.5	0.35	0.3630	ug/L	Pass
Butadiene	0.5	0.15	0.4832	ug/L	Pass
Carbon disulfide	0.5	0.22	0.5117	ug/L	Pass
Carbon tetrachloride	0.5	0.18	0.4141	ug/L	Pass
Chlorobenzene	0.5	0.18	0.5021	ug/L	Pass
Chlorobromomethane	0.5	0.15	0.3332	ug/L	Pass
Chlorodibromomethane	0.5	0.25	0.5045	ug/L	Pass
Chloroethane	0.5	0.36	0.7469	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.

Detection of the analyte at the appropriate test concentration indicates acceptable results.

*TRRP: Texas Risk Reduction Program

THE LEADER IN ENVIRONMENTAL TESTING

NASHVILLE, TN

ANALYSIS DATE: 9/26/18
BATCH: 545943

METHOD: 5030 8260
ANALYST: J.Redmond
INSTRUMENT: HP-34
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Chloroform	0.5	0.23	0.4923	ug/L	Pass
Chloromethane	0.5	0.36	0.6043	ug/L	Pass
cis-1,2-Dichloroethene	0.5	0.21	0.5304	ug/L	Pass
cis-1,3-Dichloropropene	0.5	0.17	0.3539	ug/L	Pass
Cyclohexane	0.5	0.13	0.5171	ug/L	Pass
Dibromomethane	0.5	0.45	0.5478	ug/L	Pass
Dichlorobromomethane	0.5	0.17	0.4483	ug/L	Pass
Dichlorodifluoromethane	0.5	0.17	0.3571	ug/L	Pass
Dichlorofluoromethane	0.5	0.09	0.4930	ug/L	Pass
Ethyl ether	1	0.25	1.0187	ug/L	Pass
Ethyl methacrylate	1	0.68	1.0173	ug/L	Pass
Ethylbenzene	0.5	0.19	0.5307	ug/L	Pass
Ethylene Dibromide	0.5	0.21	0.4918	ug/L	Pass
Hexachlorobutadiene	0.5	0.38	0.4196	ug/L	Pass
Hexane	0.5	0.21	0.4579	ug/L	Pass
Isopropyl ether	0.5	0.17	0.5248	ug/L	Pass
Isopropylbenzene	0.5	0.33	0.4691	ug/L	Pass
Methacrylonitrile	10	6.67	11.0590	ug/L	Pass
Methyl acetate	2	0.58	1.8050	ug/L	Pass
Methyl methacrylate	1	0.23	1.1289	ug/L	Pass
Methyl tert-butyl ether	0.5	0.17	0.4544	ug/L	Pass
Methylcyclohexane	0.5	0.09	0.5298	ug/L	Pass
Methylene Chloride	5	1.0	6.0592	ug/L	Pass
m-Xylene & p-Xylene	0.5	0.38	0.4822	ug/L	Pass
Naphthalene	0.5	0.21	0.4858	ug/L	Pass
n-Butanol	125	28.8	99.0580	ug/L	Pass
n-Butyl acetate	5	0.05	5.2883	ug/L	Pass
n-Butylbenzene	0.5	0.24	0.4669	ug/L	Pass
n-Heptane	1	0.24	0.9596	ug/L	Pass
N-Propylbenzene	0.5	0.17	0.4867	ug/L	Pass
o-Xylene	1	0.20	0.4679	ug/L	Pass
Propionitrile	5	2.72	5.5449	ug/L	Pass
sec-Butylbenzene	0.5	0.17	0.4803	ug/L	Pass
Styrene	0.5	0.28	0.5039	ug/L	Pass
Tert-amyl methyl ether	0.5	0.17	0.4532	ug/L	Pass
Tert-butyl ethyl ether	0.5	0.21	0.5439	ug/L	Pass
tert-Butylbenzene	0.5	0.17	0.4640	ug/L	Pass
Tetrachloroethene	0.5	0.14	0.5145	ug/L	Pass
Tetrahydrofuran	10	0.82	8.5646	ug/L	Pass
Toluene	0.5	0.17	0.5128	ug/L	Pass
trans-1,2-Dichloroethene	0.5	0.23	0.4122	ug/L	Pass
trans-1,3-Dichloropropene	0.5	0.17	0.3655	ug/L	Pass
trans-1,4-Dichloro-2-butene	5	0.46	4.5520	ug/L	Pass
Trichloroethene	0.5	0.20	0.4076	ug/L	Pass
Trichlorofluoromethane	0.5	0.21	0.4264	ug/L	Pass
Vinyl acetate	10	1.71	11.3040	ug/L	Pass
Vinyl chloride	0.5	0.18	0.4849	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

ANALYSIS DATE: 9/26/18
BATCH: **545943**

METHOD: 5030 8260
ANALYST: J.Redmond
INSTRUMENT: HP-34
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Xylenes, Total	1	0.58	0.9500	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

METHOD: TX1005
ANALYST: Laterio Jackson
ANALYSIS DATE: 9/27/2018
INSTRUMENT: HP73
BATCH: 545822
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Over C6-C12	5710	900	5860	ug/L	Pass
Over C12-C28	5710	900	6280	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

Unadjusted Detection Limits

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
Benzene	0.00100	0.000200	mg/L	8260B
Ethylbenzene	0.00100	0.000190	mg/L	8260B
Methyl tert-butyl ether	0.00100	0.000170	mg/L	8260B
Toluene	0.00100	0.000170	mg/L	8260B
Xylenes, Total	0.00300	0.000580	mg/L	8260B

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Prep: TX_1005_W_Prep

Analyte	MQL	MDL	Units	Method
C6-C12	1.50	0.900	mg/L	TX 1005
C6-C35 Summary	1.50	0.900	mg/L	TX 1005
Over C12-C28	1.50	0.900	mg/L	TX 1005
Over C28-C35	1.50	0.900	mg/L	TX 1005

Job ID: 490-165901-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-165901-1

Comments
No additional comments.

Receipt
The samples were received on 12/29/2018 11:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.5° C and 1.7° C.

Receipt Exceptions

One VOA vial for the following sample was received empty: MW-2R (490-165901-2).

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

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

Client Sample ID: MW-1
Date Collected: 12/27/18 14:35
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			12/30/18 12:52	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 12:52	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			12/30/18 12:52	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			12/30/18 12:52	1
Methyl tert-butyl ether	**0.000264**	**J**	0.00100	0.000170	mg/L			12/30/18 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*12/30/18 12:52*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*12/30/18 12:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/30/18 12:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*12/30/18 12:52*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:26	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:26	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:26	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*90*		*70 - 130*	*01/02/19 10:50*	*01/02/19 15:26*	*1*

Client Sample ID: MW-2R
Date Collected: 12/27/18 14:10
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0258**		0.00100	0.000200	mg/L			12/30/18 13:18	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 13:18	1
Ethylbenzene	**0.00484**		0.00100	0.000190	mg/L			12/30/18 13:18	1
Xylenes, Total	**0.00801**		0.00300	0.000580	mg/L			12/30/18 13:18	1
Methyl tert-butyl ether	**0.00722**		0.00100	0.000170	mg/L			12/30/18 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*12/30/18 13:18*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/30/18 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/30/18 13:18*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*12/30/18 13:18*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:56	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:56	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:56	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*92*		*70 - 130*	*01/02/19 10:50*	*01/02/19 15:56*	*1*

Client Sample ID: MW-4
Date Collected: 12/27/18 15:55
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.298**		0.00100	0.000200	mg/L			12/30/18 15:02	1
Toluene	**0.00218**		0.00100	0.000170	mg/L			12/30/18 15:02	1
Ethylbenzene	**0.0917**		0.00100	0.000190	mg/L			12/30/18 15:02	1
Xylenes, Total	**0.135**		0.00300	0.000580	mg/L			12/30/18 15:02	1
Methyl tert-butyl ether	**0.00224**		0.00100	0.000170	mg/L			12/30/18 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*12/30/18 15:02*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*12/30/18 15:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*12/30/18 15:02*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*12/30/18 15:02*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**11.4**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:26	1
Over C12-C28	**4.33**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:26	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:26	1
C6-C35 Summary	**15.7**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*95*		*70 - 130*	*01/02/19 10:50*	*01/02/19 16:26*	*1*

Client Sample ID: MW-5
Date Collected: 12/27/18 13:35
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			12/30/18 13:44	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 13:44	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			12/30/18 13:44	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			12/30/18 13:44	1
Methyl tert-butyl ether	**0.00160**		0.00100	0.000170	mg/L			12/30/18 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*12/30/18 13:44*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*12/30/18 13:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/30/18 13:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*12/30/18 13:44*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:56	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:56	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:56	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*93*		*70 - 130*	*01/02/19 10:50*	*01/02/19 16:56*	*1*

Client Sample ID: MW-6
Date Collected: 12/27/18 15:10
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000298**	J	0.00100	0.000200	mg/L			12/30/18 14:10	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 14:10	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			12/30/18 14:10	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			12/30/18 14:10	1
Methyl tert-butyl ether	**0.0357**		0.00100	0.000170	mg/L			12/30/18 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*12/30/18 14:10*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*12/30/18 14:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*12/30/18 14:10*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*12/30/18 14:10*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:26	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:26	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:26	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*92*		*70 - 130*	*01/02/19 10:50*	*01/02/19 17:26*	*1*

Client Sample ID: MW-7
Date Collected: 12/27/18 17:20
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			12/30/18 14:36	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 14:36	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			12/30/18 14:36	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			12/30/18 14:36	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			12/30/18 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*12/30/18 14:36*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*12/30/18 14:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/30/18 14:36*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*12/30/18 14:36*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:55	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:55	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:55	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*93*		*70 - 130*	*01/02/19 10:50*	*01/02/19 17:55*	*1*

Client Sample ID: MW-8
Date Collected: 12/27/18 17:00
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.01**		0.0100	0.00200	mg/L			01/02/19 14:53	10
Toluene	**0.0569**		0.00100	0.000170	mg/L			12/30/18 15:28	1
Ethylbenzene	**1.13**		0.0100	0.00190	mg/L			01/02/19 14:53	10
Xylenes, Total	**1.52**		0.0300	0.00580	mg/L			01/02/19 14:53	10
Methyl tert-butyl ether	**0.0641**		0.00100	0.000170	mg/L			12/30/18 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*01/02/19 14:53*	*10*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*12/30/18 15:28*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/02/19 14:53*	*10*
Toluene-d8 (Surr)	*94*		*70 - 130*		*12/30/18 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/02/19 14:53*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*12/30/18 15:28*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*01/02/19 14:53*	*10*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*12/30/18 15:28*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**15.2**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 18:25	1
Over C12-C28	**2.74**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 18:25	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 18:25	1
C6-C35 Summary	**17.9**		1.50	0.900	mg/L		01/02/19 10:50	01/02/19 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*91*		*70 - 130*	*01/02/19 10:50*	*01/02/19 18:25*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
490-165857-B-2 MS	Matrix Spike	96	98	87	111
490-165857-C-2 MSD	Matrix Spike Duplicate	95	97	88	110
490-165901-1	MW-1	97	97	100	107
490-165901-2	MW-2R	98	99	101	108
490-165901-3	MW-4	103	108	96	114
490-165901-4	MW-5	99	98	100	104
490-165901-5	MW-6	99	96	101	105
490-165901-6	MW-7	100	99	100	106
490-165901-7	MW-8	102	94	100	118
490-165901-7	MW-8	99	96	98	108
490-165901-7 MS	MW-8	96	96	84	105
490-165901-7 MSD	MW-8	99	96	87	109
LCS 490-567023/3	Lab Control Sample	97	98	90	113
LCS 490-567435/3	Lab Control Sample	96	97	86	112
LCSD 490-567023/4	Lab Control Sample Dup	95	100	89	109
LCSD 490-567435/4	Lab Control Sample Dup	97	98	87	110
MB 490-567023/7	Method Blank	96	100	95	112
MB 490-567435/7	Method Blank	97	98	95	111

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
490-165901-1	MW-1	90
490-165901-2	MW-2R	92
490-165901-3	MW-4	95
490-165901-4	MW-5	93
490-165901-5	MW-6	92
490-165901-6	MW-7	93
490-165901-7	MW-8	91
LCS 490-567365/2-A	Lab Control Sample	89
LCSD 490-567365/3-A	Lab Control Sample Dup	92
MB 490-567365/1-A	Method Blank	94

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-567023/7
Matrix: Water
Analysis Batch: 567023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			12/30/18 09:50	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			12/30/18 09:50	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			12/30/18 09:50	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			12/30/18 09:50	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			12/30/18 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*12/30/18 09:50*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*12/30/18 09:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/30/18 09:50*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*12/30/18 09:50*	*1*

Lab Sample ID: LCS 490-567023/3
Matrix: Water
Analysis Batch: 567023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05342		mg/L		107	70 - 130
Toluene	0.0500	0.05233		mg/L		105	70 - 130
Ethylbenzene	0.0500	0.05273		mg/L		105	70 - 130
Xylenes, Total	0.150	0.1498		mg/L		100	70 - 132
Methyl tert-butyl ether	0.0500	0.04852		mg/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 490-567023/4
Matrix: Water
Analysis Batch: 567023

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05415		mg/L		108	70 - 130	1	12
Toluene	0.0500	0.05446		mg/L		109	70 - 130	4	13
Ethylbenzene	0.0500	0.05415		mg/L		108	70 - 130	3	12
Xylenes, Total	0.150	0.1543		mg/L		103	70 - 132	3	11
Methyl tert-butyl ether	0.0500	0.04886		mg/L		98	70 - 130	1	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: 490-165857-B-2 MS
Matrix: Water
Analysis Batch: 567023

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000200	U	0.0500	0.05926		mg/L		119	55 - 147
Toluene	0.000170	U	0.0500	0.05808		mg/L		116	64 - 136
Ethylbenzene	0.000190	U	0.0500	0.05786		mg/L		116	65 - 139
Xylenes, Total	0.000580	U	0.150	0.1638		mg/L		109	69 - 132
Methyl tert-butyl ether	0.000170	U	0.0500	0.05248		mg/L		105	55 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 490-165857-C-2 MSD
Matrix: Water
Analysis Batch: 567023

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000200	U	0.0500	0.05549		mg/L		111	55 - 147	7	22
Toluene	0.000170	U	0.0500	0.05470		mg/L		109	64 - 136	6	18
Ethylbenzene	0.000190	U	0.0500	0.05421		mg/L		108	65 - 139	7	18
Xylenes, Total	0.000580	U	0.150	0.1546		mg/L		103	69 - 132	6	17
Methyl tert-butyl ether	0.000170	U	0.0500	0.05016		mg/L		100	55 - 141	5	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 490-567435/7
Matrix: Water
Analysis Batch: 567435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			01/02/19 14:27	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			01/02/19 14:27	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			01/02/19 14:27	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			01/02/19 14:27	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			01/02/19 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*01/02/19 14:27*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/02/19 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/02/19 14:27*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*01/02/19 14:27*	*1*

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

Lab Sample ID: LCS 490-567435/3
Matrix: Water
Analysis Batch: 567435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05229		mg/L		105	70 - 130
Toluene	0.0500	0.05122		mg/L		102	70 - 130
Ethylbenzene	0.0500	0.05133		mg/L		103	70 - 130
Xylenes, Total	0.150	0.1465		mg/L		98	70 - 132
Methyl tert-butyl ether	0.0500	0.04700		mg/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 490-567435/4
Matrix: Water
Analysis Batch: 567435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05224		mg/L		104	70 - 130	0	12
Toluene	0.0500	0.05209		mg/L		104	70 - 130	2	13
Ethylbenzene	0.0500	0.05148		mg/L		103	70 - 130	0	12
Xylenes, Total	0.150	0.1457		mg/L		97	70 - 132	1	11
Methyl tert-butyl ether	0.0500	0.04933		mg/L		99	70 - 130	5	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 490-165901-7 MS
Matrix: Water
Analysis Batch: 567435

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	3.01		0.500	3.452	4	mg/L		89	55 - 147
Toluene	0.0600		0.500	0.6132		mg/L		111	64 - 136
Ethylbenzene	1.13		0.500	1.620		mg/L		98	65 - 139
Xylenes, Total	1.52		1.50	2.988		mg/L		98	69 - 132
Methyl tert-butyl ether	0.0606		0.500	0.5719		mg/L		102	55 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: 490-165901-7 MSD
Matrix: Water
Analysis Batch: 567435

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	3.01		0.500	3.421	4	mg/L		83	55 - 147	1	22
Toluene	0.0600		0.500	0.6227		mg/L		113	64 - 136	2	18
Ethylbenzene	1.13		0.500	1.616		mg/L		97	65 - 139	0	18
Xylenes, Total	1.52		1.50	3.030		mg/L		101	69 - 132	1	17
Methyl tert-butyl ether	0.0606		0.500	0.5883		mg/L		106	55 - 141	3	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 490-567365/1-A
Matrix: Water
Analysis Batch: 567360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 567365

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 13:57	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 13:57	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 13:57	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		01/02/19 10:50	01/02/19 13:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*94*		*70 - 130*	*01/02/19 10:50*	*01/02/19 13:57*	*1*

Lab Sample ID: LCS 490-567365/2-A
Matrix: Water
Analysis Batch: 567360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 567365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	57.1	52.17		mg/L		91	75 - 125
Over C12-C28	57.1	53.78		mg/L		94	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 490-567365/3-A
Matrix: Water
Analysis Batch: 567360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 567365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	57.1	53.12		mg/L		93	75 - 125	2	20
Over C12-C28	57.1	55.86		mg/L		98	75 - 125	4	20

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCSD 490-567365/3-A
Matrix: Water
Analysis Batch: 567360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 567365

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl (Surr)	92		70 - 130

GC/MS VOA

Analysis Batch: 567023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-1	MW-1	Total/NA	Water	8260B	
490-165901-2	MW-2R	Total/NA	Water	8260B	
490-165901-3	MW-4	Total/NA	Water	8260B	
490-165901-4	MW-5	Total/NA	Water	8260B	
490-165901-5	MW-6	Total/NA	Water	8260B	
490-165901-6	MW-7	Total/NA	Water	8260B	
490-165901-7	MW-8	Total/NA	Water	8260B	
MB 490-567023/7	Method Blank	Total/NA	Water	8260B	
LCS 490-567023/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-567023/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-165857-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
490-165857-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 567435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-7	MW-8	Total/NA	Water	8260B	
MB 490-567435/7	Method Blank	Total/NA	Water	8260B	
LCS 490-567435/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-567435/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-165901-7 MS	MW-8	Total/NA	Water	8260B	
490-165901-7 MSD	MW-8	Total/NA	Water	8260B	

GC Semi VOA

Analysis Batch: 567360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-1	MW-1	Total/NA	Water	TX 1005	567365
490-165901-2	MW-2R	Total/NA	Water	TX 1005	567365
490-165901-3	MW-4	Total/NA	Water	TX 1005	567365
490-165901-4	MW-5	Total/NA	Water	TX 1005	567365
490-165901-5	MW-6	Total/NA	Water	TX 1005	567365
490-165901-6	MW-7	Total/NA	Water	TX 1005	567365
490-165901-7	MW-8	Total/NA	Water	TX 1005	567365
MB 490-567365/1-A	Method Blank	Total/NA	Water	TX 1005	567365
LCS 490-567365/2-A	Lab Control Sample	Total/NA	Water	TX 1005	567365
LCSD 490-567365/3-A	Lab Control Sample Dup	Total/NA	Water	TX 1005	567365

Prep Batch: 567365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-1	MW-1	Total/NA	Water	TX_1005_W_Prep	
490-165901-2	MW-2R	Total/NA	Water	TX_1005_W_Prep	
490-165901-3	MW-4	Total/NA	Water	TX_1005_W_Prep	
490-165901-4	MW-5	Total/NA	Water	TX_1005_W_Prep	
490-165901-5	MW-6	Total/NA	Water	TX_1005_W_Prep	
490-165901-6	MW-7	Total/NA	Water	TX_1005_W_Prep	

GC Semi VOA (Continued)

Prep Batch: 567365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-7	MW-8	Total/NA	Water	TX_1005_W_Prep	
MB 490-567365/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	
LCS 490-567365/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
LCSD 490-567365/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_W_Prep	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Client Sample ID: MW-1

Date Collected: 12/27/18 14:35
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 12:52	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 15:26	S1S	TAL NSH

Client Sample ID: MW-2R

Date Collected: 12/27/18 14:10
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 13:18	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 15:56	S1S	TAL NSH

Client Sample ID: MW-4

Date Collected: 12/27/18 15:55
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 15:02	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 16:26	S1S	TAL NSH

Client Sample ID: MW-5

Date Collected: 12/27/18 13:35
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 13:44	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 16:56	S1S	TAL NSH

Client Sample ID: MW-6

Date Collected: 12/27/18 15:10
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 14:10	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 17:26	S1S	TAL NSH

Client Sample ID: MW-7

Lab Sample ID: 490-165901-6

Date Collected: 12/27/18 17:20

Matrix: Water

Date Received: 12/29/18 11:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 14:36	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 17:55	S1S	TAL NSH

Client Sample ID: MW-8

Lab Sample ID: 490-165901-7

Date Collected: 12/27/18 17:00

Matrix: Water

Date Received: 12/29/18 11:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	567023	12/30/18 15:28	MRM	TAL NSH
Total/NA	Analysis	8260B		10	10 mL	10 mL	567435	01/02/19 14:53	SW1	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	567365	01/02/19 10:50	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			567360	01/02/19 18:25	S1S	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL NSH
5030B	Purge and Trap	SW846	TAL NSH
TX_1005_W_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-1

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Texas	NELAP	6	T104704077	08-31-19

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-165901 Chain of Custody

Cooler Received/Opened On 12/29/2018 @ 11:33

Time Samples Removed From Cooler 1600 Time Samples Placed In Storage 1616 (2 Hour Window)

1. Tracking # 9910 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front / 1 back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) GH

I certify that I attached a label with the unique LIMS number to each container (intial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

1/7/2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
165901

COOLER RECEIPT FORM

Cooler Received/Opened On 12/29/2018 @ 11:33

Time Samples Removed From Cooler 1600 Time Samples Placed In Storage 1616 (2 Hour Window)

1. Tracking # 9909 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 0.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front / 1 back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

● ← Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

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I certify that I entered this project into LIMS and answered questions 17-20 (intial) GH

I certify that I attached a label with the unique LIMS number to each container (intial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

1/7/2019

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Dallas/Ft. Worth #238 Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Griffin Kane	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 490-77337-22309.1
Client Contact: Alex Mebrahtu	Phone: 918-261-3546	E-Mail: [redacted]		Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc				Job #:
Address: 12005 Ford Road, Suite 600	Due Date Requested:			
City: Dallas	TAT Requested (days): Standard			
State, Zip: TX, 75234	PO #:			
Phone: 972-773-8449(Tel)	WO #:			
Email: [redacted]				
Project Name: 7-11 No 26342.EL(TX)	Project #: 49008085			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Loc: 490
165901

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM - (MOD) 8270D SIM PAH List	8260B BTEX/MTBE	TX_1005	Total Number of containers	Special Instructions/Note:
		Preservation Code:									
MW-1	12/27/18	14:35	G	W			X	X	X		*run PAH on highest detected TPH value in the c12-C28 range including J-flags
MW-2R		14:10						X	X		
MW-4		15:55						X	X		
MW-5		13:35						X	X		
MW-6		15:10						X	X		
MW-7		17:20						X	X		
MW-9		17:00						X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 12/27/18; 12:00	Company: APTIM	Received by:	Date/Time: 12-29-18 / 1133	Company: TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12-29-18 / 1133	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.7 / 0.5

Ver: 08/04/2016

1/7/2019

Texas Commission on Environmental Quality - Remediation Division

CONTRACTOR LABORATORY ANALYTICAL DATA CERTIFICATION

Contractor Laboratory Analytical Data Certification is a requirement of the Petroleum Storage Tank Programs (PST) Quality Assurance Project Plan (QAPP). This form must be completed by the contractor performing work for the PST Program and included in all reports that contain laboratory analytical data. Form should be filed as the first page of the laboratory analysis results, followed immediately with the laboratory NELAP accreditation certificate.

☑ Contractor performing work for the PST Program certifies that analytical data has been reviewed and evaluated for technical acceptability, including problems and anomalies associated with the data.

☑ Contractor performing work for the PST Program certifies that a determination has been made of usability of analytical data, with regard to project objectives.

☑ Contractor performing work for the PST Program certifies the laboratory was NELAP accredited under the Texas Laboratory Accreditation Program at the time of data generation for the matrices, methods, and parameters of analysis or a regulatory exception under 30 TAC 25.6 has been approved by the PST Program.

☑ Contractor confirms the report includes documentation of laboratory accreditation or the regulatory exception the PST Program approved for matrices, methods, and parameters of analysis.

S. Paranjape	SUSHAMA PARANJAPE
Contractor Certifier Signature	Contractor Certifier Printed Name
Aptim Environmental & Infrastructure, Inc.	7-Eleven, Inc., Store Number 26342
Contractor Name	Site ID Number
01/22/2019	
Date	

Rev: 08/11/10 DRB

Data Review/Validation Checklist: Data Package Completeness				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-2			Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R1 Date of sample collection included?	X			
R1 Sample receipt temperature ≤ 6°C?	X			
R1 Signed C-O-Cs included?	X			
R2 Field I.D. included?	X			
R2 Laboratory I.D. included?	X			
R3 Date of analysis included?	X			
R3 Date of sample prep. included?	X			
R3 Detection levels included?	X			
R3 Holding time to analysis expired?		X		
R3 Holding time to prep expired?		X		
R3 Met method quantitation limits?	X			
R3 Method reference included?	X			
R3 Sample matrix included?	X			
R3 Sample results included?	X			
R9 Evaluate unadjusted MQLs?	X			
R10 Exception reports included, where required?	X			
R10 Are justifications for elevated SQLs provided?			X	
Definitions: AA – Atomic Absorption; %D – Percent Difference; ICP – Inductively Coupled Plasma; IDL – Instrument Detection Limit; MDL – Method Detection Limit; %R – Percent Recovery; RF – Response Factor; RPD – Relative Percent Difference; RRT – Relative Retention Times; RSD – Relative Standard Deviation				
COMMENTS				
Data are acceptable with qualifiers as discussed in the following sections:				

Data Usability Review/Validation Checklist: GC/MS QC, Method SW846-8270D Selected Ion Monitoring (SIM) technique				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-2		Date Sampled: 12/27/2018	
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019			

ITEM		YES	NO	N/A	COMMENTS
R4	Surrogate Data Included in Lab Package?	X			
	Required surrogates included?	X			
	Recoveries within limits (see below OR Lab Limits or **60-140%**)? (Reject <10%R)	X			
	Areas within limits? (**within -50% to+100% of last calibration check**)	X			
	RRT within limits? (**< 30 sec. difference from last calibration check**)	X			
R5	Method Blank Data Included in Lab Package?	X			
	Criteria met? (**<5X RL for lab contamination; <RL for others**)		X		Naphthalene detected, see comments below:
R6	QC Check Samples/LCS Data Included in Lab Package?	X			
	% Recovery criteria met? Lab Limits OR **60-140%**		X		All below limits in LCSD, see comments below:
R7	Matrix Spike Data Included in Lab Package?		X		
	%R criteria met? Lab Limits or **60-140%**			X	
	RPD criteria met? **40 %** OR 25 RPD H_20, 50 RPD Soils or Lab			X	
S1	Initial Calibration Data Included in Lab Package?		X		
	RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
	%RSD criteria met for CCC?**; (**<30%RSD for CCC; >15% RSD must have fit**)	X			According to the LRC.
S2	Continuing Calibration Data Included in Lab Package?		X		See comments below:
	RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
	% Difference (%D) criteria met for CCC?** 20% D Max; Qualify if >25%D	X			According to the LRC.
S3	Instrument Tune for GC-MS Included In Lab Package?		X		
S4	Internal Standard Data Included in Lab Package?		X		

Data Usability Review/Validation Checklist: GC/MS QC (continued), Method SW846-8270D SIM			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-2		Date Sampled: 12/27/2018
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019		

SURROGATE	H_2O (%R)	SOIL (%R)	NOTES:
1,2-Dichloroethane-d_4	80-120	80-120	
Dibromofluoromethane	86-118	80-120	
Toluene-d_8	88-110	81-117	
Bromofluorobenzene	86-115	74-121	
Nitrobenzene-d_5	35-114	23-120	
2-Fluorobiphenyl	43-116	30-115	
Terphenyl-d_{14}	33-141	18-137	
Phenol-d_5	10-94	24-113	
2-Fluorophenol	21-100	25-121	
2,4,6-Tribromophenol	10-123	19-122	
2-Chlorophenol-d_4	33-110	20-130	
1,2-Dichlorobenzene-d_4	16-110	20-130	

COMMENTS

LRC: Laboratory Review Checklist.

R5: Naphthalene detected at 0.0005972 mg/L, sample concentration less than five times the blank concentration is considered as not-detected (qualified U).

R6: All recoveries below acceptance limits in LCSD, data are considered to be acceptable as estimated, biased low (qualified JL/UJL) for associated samples.

S2: The continuing calibration verification (CCV) analyzed in batch 490-567645 was outside the upper method criteria for indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated (qualified J) for associated samples.

Notes:

1. Circle applicable QC criteria.
2. Repeat form as needed.

* SPCC (System Performance Check Compounds): chloromethane (0.1), 1,1-dichloroethane (0.1), bromoform (0.1), 1,1,2,2-tetrachloroethane (0.3) and chlorobenzene (0.3) (volatiles); nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-4-dinitrophenol and 4-nitrophenol (semi-volatiles.)

** CCC (Calibration Check Compounds) are 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride (volatiles); acenaphthene, 1,4-dichlorobenzene, hexachlorobutadiene, nitroso-di-n-phenylamine, di-n-octylphthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, and 2,4,6-trichlorophenol.

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-2	Date Sampled: 12/27/2018	
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019		

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier*
Preservation (R1)			
Outside specifications	None	None	None
Holding Times (R2)			
Outside specifications	None	None	None
Grossly outside specifications	None	None	None
Surrogate Spikes (R4)			
%R above specifications for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R below specifications but >10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R <10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R outside specifications for two or more surrogates in more than one direction	None	None	None
Laboratory Blanks (R5)			
Analyte present above MDL	None	None	None
Field QC Blanks (FB)			
Analyte present above MDL	N/A	N/A	N/A
Laboratory Control Sample (LCS) (R6)			
%R above specifications	None	None	None
%R below specifications and greater than 10%	MW-4	PAHs: Detected results Non-detected results	 JL UJL
%R below 10%	None	None	None
Matrix Spike (MS) (R7)			

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-165901-2	Date Sampled: 12/27/2018	
Reviewer: Sushama Paranjape	Date Checked: January 22, 2019		

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier*
%R above specifications	N/A	N/A	N/A
%R below specifications and greater than 10%	N/A	N/A	N/A
%R below10%	N/A	N/A	N/A
Note: If the spiking amount is less than four times the result in the unspiked parent sample, the MS/MSD data may not represent the matrix effect, and professional judgment should be used in evaluating and qualifying the data.			
Duplicate Sample Analysis (including MSD) (R7, R8)			
RPD outside specifications and result >5X MQL	N/A	N/A	N/A
RPD outside specifications and results < 5X MQL	N/A	N/A	N/A
Field Duplicate Analysis			
RPD outside specifications and analyte conc. >5X MQL	N/A	N/A	N/A
RPD outside specifications and analyte conc. <5X MQL	N/A	N/A	N/A
Initial Calibration (S1)			
Outside specifications	None	None	None
Initial and/or Continuing Calibration Verification (ICV/CCV) (S2)			
Outside specifications	None	None	None
Internal Standard Area Counts (S4)			
Above specifications	None	None	None
Below specifications	None	None	None
Dual Column Confirmation (S6)			
Results agree > 40% and co-elution suspected	N/A	N/A	N/A
Not performed	N/A	N/A	N/A
Note: Where historical data, such as groundwater monitoring data, have documented the presence of analyte, second column confirmation may not be warranted during routine monitoring analyses.			
Tentatively Identified Compounds (S7) **(if requested)**			
TIC analysis performed.	N/A	N/A	N/A

***Qualifiers:**

J: Estimated: The analyte was detected and positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ: Not detected, SDL is estimated: The analyte was analyzed for but was not detected above the reported sample detection limit. However, the reported SDL is an estimate and may be inaccurate or imprecise.

L: Bias in sample result likely to be low.

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-165901-2
Client Project/Site: 7-11 No 26342,EL(TX)

For:
Aptim Environmental & Infrastructure Inc
12005 Ford Road, Suite 600
Dallas, Texas 75234

Attn: Alex Mebrahtu

Authorized for release by:
1/10/2019 3:32:19 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038

[redacted]

Table of Contents

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-165901-3	MW-4	Water	12/27/18 15:55	12/29/18 11:33

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Nashville job number 490-165901-2 and consists of:

- ☑ 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.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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.

Leah Klingensmith		1/10/2019
Name (printed)	Signature	Date

Senior Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/10/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-2
Reviewer Name:	Leah Klingensmith		

#[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			R05D
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			R06D
		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			R06F
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			R07B
		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 - Page 3 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/10/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-2
Reviewer Name:	Leah Klingensmith		

#[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 (ICV 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			S02B
		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 - Page 4 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	1/10/2019
Project Name:	7-11 No 26342,EL(TX)	Laboratory Job Number:	490-165901-2
Reviewer Name:	Leah Klingensmith		

ER #[1]	Description
R05D	Method 8270D SIM: Naphthalene was detected above the reporting limit (RL) in the method blank associated with preparation batch 490-56740 as well as in the following sample: MW-4 (490-165901-3). All affected samples were re-extracted outside of holding time with concurring sample results. The original set of data has been reported.
R06D	Method 8270D SIM: The laboratory control sample duplicate (LCSD) for preparation batch 490-567407 recovered outside control limits for multiple target analytes. The associated sample was re-extracted outside holding time with concurring sample results. The original set of data has been reported.
R06F	Method 8270D SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 490-567407 recovered outside control limits for multiple target analytes.
R07B	Method(s) 8270D SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-567407.
S02B	Method 8270D SIM: The continuing calibration verification (CCV) analyzed in batch 490-567645 was outside the upper method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

ANALYSIS DATE: 1/8/2019

BATCH: 568378

METHOD: 3510 LVI 8270 SIM

ANALYST: KP

INSTRUMENT: HP65

MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
1-Methylnaphthalene	0.8	0.05	1.74	ug/L	Pass
2-Methylnaphthalene	0.8	0.05	1.67	ug/L	Pass
Acenaphthene	0.8	0.05	1.48	ug/L	Pass
Acenaphthylene	0.8	0.05	1.37	ug/L	Pass
Anthracene	0.8	0.05	1.64	ug/L	Pass
Benzo(a)anthracene	0.8	0.025	1.59	ug/L	Pass
Benzo(a)pyrene	0.8	0.025	1.56	ug/L	Pass
Benzo(b)fluoranthene	0.8	0.025	1.51	ug/L	Pass
Benzo(g,h,i)perylene	0.8	0.05	1.69	ug/L	Pass
Benzo(k)fluoranthene	0.8	0.05	1.59	ug/L	Pass
Chrysene	0.8	0.05	1.74	ug/L	Pass
Dibenz(a,h)anthracene	0.8	0.025	1.69	ug/L	Pass
Fluoranthene	0.8	0.05	1.8	ug/L	Pass
Fluorene	0.8	0.05	1.48	ug/L	Pass
Indeno(1,2,3-cd)pyrene	0.8	0.025	1.95	ug/L	Pass
Naphthalene	0.8	0.05	1.71	ug/L	Pass
Phenanthrene	0.8	0.05	1.96	ug/L	Pass
Pyrene	0.8	0.05	1.67	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

Unadjusted Detection Limits

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Analyte	MQL	MDL	Units	Method
1-Methylnaphthalene	0.000100	0.0000500	mg/L	8270D SIM
2-Methylnaphthalene	0.000100	0.0000500	mg/L	8270D SIM
Acenaphthene	0.000100	0.0000500	mg/L	8270D SIM
Acenaphthylene	0.000100	0.0000500	mg/L	8270D SIM
Anthracene	0.000100	0.0000500	mg/L	8270D SIM
Benzo[a]anthracene	0.0000500	0.0000250	mg/L	8270D SIM
Benzo[a]pyrene	0.0000500	0.0000250	mg/L	8270D SIM
Benzo[b]fluoranthene	0.0000500	0.0000250	mg/L	8270D SIM
Benzo[g,h,i]perylene	0.000100	0.0000500	mg/L	8270D SIM
Benzo[k]fluoranthene	0.000100	0.0000500	mg/L	8270D SIM
Chrysene	0.000100	0.0000500	mg/L	8270D SIM
Dibenz(a,h)anthracene	0.0000500	0.0000250	mg/L	8270D SIM
Fluoranthene	0.000100	0.0000500	mg/L	8270D SIM
Fluorene	0.000100	0.0000500	mg/L	8270D SIM
Indeno[1,2,3-cd]pyrene	0.0000500	0.0000250	mg/L	8270D SIM
Naphthalene	0.000100	0.0000500	mg/L	8270D SIM
Phenanthrene	0.000100	0.0000500	mg/L	8270D SIM
Pyrene	0.000100	0.0000500	mg/L	8270D SIM

Job ID: 490-165901-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-165901-2

Comments
No additional comments.

Receipt
The samples were received on 12/29/2018 11:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.5° C and 1.7° C.

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
b	The compound was found in the blank and sample

Glossary

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

Client Sample ID: MW-4
Date Collected: 12/27/18 15:55
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-3
Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.000248**	*	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Acenaphthylene	**0.0000624**	J *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Anthracene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Benzo[a]anthracene	0.0000240	U *	0.0000479	0.0000240	mg/L		01/02/19 11:52	01/04/19 00:27	1
Benzo[a]pyrene	0.0000240	U *	0.0000479	0.0000240	mg/L		01/02/19 11:52	01/04/19 00:27	1
Benzo[b]fluoranthene	0.0000240	U *	0.0000479	0.0000240	mg/L		01/02/19 11:52	01/04/19 00:27	1
Benzo[g,h,i]perylene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Benzo[k]fluoranthene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Chrysene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Dibenz(a,h)anthracene	0.0000240	U	0.0000479	0.0000240	mg/L		01/02/19 11:52	01/04/19 00:27	1
Fluoranthene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Fluorene	**0.000127**	*	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Indeno[1,2,3-cd]pyrene	0.0000240	U *	0.0000479	0.0000240	mg/L		01/02/19 11:52	01/04/19 00:27	1
Naphthalene	**0.0138**	b *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Phenanthrene	**0.0000825**	J *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
Pyrene	0.0000479	U *	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
2-Methylnaphthalene	**0.0175**	*	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1
1-Methylnaphthalene	**0.0101**	*	0.0000959	0.0000479	mg/L		01/02/19 11:52	01/04/19 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*10 - 120*	*01/02/19 11:52*	*01/04/19 00:27*	*1*
Nitrobenzene-d5	*88*		*27 - 120*	*01/02/19 11:52*	*01/04/19 00:27*	*1*
Terphenyl-d14	*87*		*13 - 120*	*01/02/19 11:52*	*01/04/19 00:27*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (10-120)	NBZ (27-120)	TPHL (13-120)
490-165901-3	MW-4	77	88	87
LCS 490-567407/2-A	Lab Control Sample	80	83	88
LCSD 490-567407/3-A	Lab Control Sample Dup	43	42	56
MB 490-567407/1-A	Method Blank	74	82	85

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 490-567407/1-A
Matrix: Water
Analysis Batch: 567645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 567407

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Acenaphthylene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Anthracene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Benzo[a]anthracene	0.0000250	U	0.0000500	0.0000250	mg/L		01/02/19 11:52	01/03/19 19:01	1
Benzo[a]pyrene	0.0000250	U	0.0000500	0.0000250	mg/L		01/02/19 11:52	01/03/19 19:01	1
Benzo[b]fluoranthene	0.0000250	U	0.0000500	0.0000250	mg/L		01/02/19 11:52	01/03/19 19:01	1
Benzo[g,h,i]perylene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Benzo[k]fluoranthene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Chrysene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Dibenz(a,h)anthracene	0.0000250	U	0.0000500	0.0000250	mg/L		01/02/19 11:52	01/03/19 19:01	1
Fluoranthene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Fluorene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Indeno[1,2,3-cd]pyrene	0.0000250	U	0.0000500	0.0000250	mg/L		01/02/19 11:52	01/03/19 19:01	1
Naphthalene	0.0005972		0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Phenanthrene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
Pyrene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
2-Methylnaphthalene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1
1-Methylnaphthalene	0.0000500	U	0.000100	0.0000500	mg/L		01/02/19 11:52	01/03/19 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*10 - 120*	*01/02/19 11:52*	*01/03/19 19:01*	*1*
Nitrobenzene-d5	*82*		*27 - 120*	*01/02/19 11:52*	*01/03/19 19:01*	*1*
Terphenyl-d14	*85*		*13 - 120*	*01/02/19 11:52*	*01/03/19 19:01*	*1*

Lab Sample ID: LCS 490-567407/2-A
Matrix: Water
Analysis Batch: 567858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 567407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00800	0.006561		mg/L		82	46 - 120
Acenaphthylene	0.00800	0.006882		mg/L		86	48 - 120
Anthracene	0.00800	0.007131		mg/L		89	58 - 130
Benzo[a]anthracene	0.00800	0.006774		mg/L		85	57 - 120
Benzo[a]pyrene	0.00800	0.006798		mg/L		85	57 - 124
Benzo[b]fluoranthene	0.00800	0.006716		mg/L		84	51 - 125
Benzo[g,h,i]perylene	0.00800	0.006061		mg/L		76	51 - 123
Benzo[k]fluoranthene	0.00800	0.006981		mg/L		87	51 - 120
Chrysene	0.00800	0.006670		mg/L		83	55 - 120
Dibenz(a,h)anthracene	0.00800	0.005718		mg/L		71	50 - 125
Fluoranthene	0.00800	0.007059		mg/L		88	56 - 120
Fluorene	0.00800	0.007035		mg/L		88	52 - 120
Indeno[1,2,3-cd]pyrene	0.00800	0.006329		mg/L		79	54 - 125
Naphthalene	0.00800	0.006446		mg/L		81	37 - 120
Phenanthrene	0.00800	0.007150		mg/L		89	56 - 120
Pyrene	0.00800	0.006376		mg/L		80	53 - 129
2-Methylnaphthalene	0.00800	0.006625		mg/L		83	31 - 120
1-Methylnaphthalene	0.00800	0.006759		mg/L		84	36 - 120

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 490-567407/2-A
Matrix: Water
Analysis Batch: 567858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 567407

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		10 - 120
Nitrobenzene-d5	83		27 - 120
Terphenyl-d14	88		13 - 120

Lab Sample ID: LCSD 490-567407/3-A
Matrix: Water
Analysis Batch: 567858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 567407

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.00800	0.003502	*	mg/L		44	46 - 120	61	31
Acenaphthylene	0.00800	0.003627	*	mg/L		45	48 - 120	62	31
Anthracene	0.00800	0.003747	*	mg/L		47	58 - 130	62	28
Benzo[a]anthracene	0.00800	0.003773	*	mg/L		47	57 - 120	57	27
Benzo[a]pyrene	0.00800	0.004169	*	mg/L		52	57 - 124	48	27
Benzo[b]fluoranthene	0.00800	0.004127	*	mg/L		52	51 - 125	48	39
Benzo[g,h,i]perylene	0.00800	0.004516	*	mg/L		56	51 - 123	29	27
Benzo[k]fluoranthene	0.00800	0.004528	*	mg/L		57	51 - 120	43	32
Chrysene	0.00800	0.003908	*	mg/L		49	55 - 120	52	27
Dibenz(a,h)anthracene	0.00800	0.004513		mg/L		56	50 - 125	24	28
Fluoranthene	0.00800	0.003832	*	mg/L		48	56 - 120	59	28
Fluorene	0.00800	0.003709	*	mg/L		46	52 - 120	62	28
Indeno[1,2,3-cd]pyrene	0.00800	0.004721	*	mg/L		59	54 - 125	29	27
Naphthalene	0.00800	0.003500	*	mg/L		44	37 - 120	59	37
Phenanthrene	0.00800	0.003869	*	mg/L		48	56 - 120	60	26
Pyrene	0.00800	0.003518	*	mg/L		44	53 - 129	58	29
2-Methylnaphthalene	0.00800	0.003521	*	mg/L		44	31 - 120	61	35
1-Methylnaphthalene	0.00800	0.003583	*	mg/L		45	36 - 120	61	36

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	43		10 - 120
Nitrobenzene-d5	42		27 - 120
Terphenyl-d14	56		13 - 120

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

GC/MS Semi VOA

Prep Batch: 567407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-3	MW-4	Total/NA	Water	3510C	
MB 490-567407/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-567407/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-567407/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 567645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-165901-3	MW-4	Total/NA	Water	8270D SIM	567407
MB 490-567407/1-A	Method Blank	Total/NA	Water	8270D SIM	567407

Analysis Batch: 567858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-567407/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	567407
LCSD 490-567407/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	567407

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Client Sample ID: MW-4
Date Collected: 12/27/18 15:55
Date Received: 12/29/18 11:33

Lab Sample ID: 490-165901-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			260.8 mL	1 mL	567407	01/02/19 11:52	MCO	TAL NSH
Total/NA	Analysis	8270D SIM		1			567645	01/04/19 00:27	T1C	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL NSH
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342,EL(TX)

TestAmerica Job ID: 490-165901-2

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Texas	NELAP	6	T104704077	08-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270D SIM	3510C	Water	1-Methylnaphthalene

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-165901 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 12/29/2018 @ 11:33

Time Samples Removed From Cooler 1600 Time Samples Placed In Storage 1616 (2 Hour Window)

1. Tracking # 9910 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 1.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front / 1 back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) GH

I certify that I attached a label with the unique LIMS number to each container (intial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

1/10/2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
165901

COOLER RECEIPT FORM

Cooler Received/Opened On 12/29/2018 @ 11:33

Time Samples Removed From Cooler 1600 Time Samples Placed In Storage 1616 (2 Hour Window)

1. Tracking # 9909 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 0.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front / 1 back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) GH

I certify that I attached a label with the unique LIMS number to each container (intial) GH

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Dallas/Ft. Worth #238 Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Griffin Kane	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 490-77337-22309.1
Client Contact: Alex Mebrahtu	Phone: 918-261-3546	E-Mail: [redacted]		Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc				Job #:
Address: 12005 Ford Road, Suite 600	Due Date Requested:			
City: Dallas	TAT Requested (days): Standard			
State, Zip: TX, 75234				
Phone: 972-773-8449(Tel)	PO #:			
Email: [redacted]	WO #:			
Project Name: 7-11 No 26342.EL(TX)	Project #: 49008085			
Site:	SSOW#:			

Analysis Requested

Loc: 490
165901

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM - (MOD) 8270D SIM PAH List	8260B BTEX/MTBE	TX_1005	Total Number of containers	Special Instructions/Note:
		Preservation Code:									
MW-1	12/27/18	14:35	G	W			X	X	X		*run PAH on highest detected TPH value in the c12-c28 range including) - Glass
MW-2R		14:10						X	X		
MW-4		15:55						X	X		
MW-5		13:35						X	X		
MW-6		15:10						X	X		
MW-7		17:20						X	X		
MW-8		17:10						X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 12/27/18; 12:10	Company: APTIM	Received by:	Date/Time: 12/29/18 / 1133	Company: TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12-29-18 / 1133	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7 / 0-5

Ver: 08/04/2016

1/10/2019

Texas Commission on Environmental Quality - Remediation Division

CONTRACTOR LABORATORY ANALYTICAL DATA CERTIFICATION

Contractor Laboratory Analytical Data Certification is a requirement of the Petroleum Storage Tank Programs (PST) Quality Assurance Project Plan (QAPP). This form must be completed by the contractor performing work for the PST Program and included in all reports that contain laboratory analytical data. Form should be filed as the first page of the laboratory analysis results, followed immediately with the laboratory NELAP accreditation certificate.

☑ Contractor performing work for the PST Program certifies that analytical data has been reviewed and evaluated for technical acceptability, including problems and anomalies associated with the data.

☑ Contractor performing work for the PST Program certifies that a determination has been made of usability of analytical data, with regard to project objectives.

☑ Contractor performing work for the PST Program certifies the laboratory was NELAP accredited under the Texas Laboratory Accreditation Program at the time of data generation for the matrices, methods, and parameters of analysis or a regulatory exception under 30 TAC 25.6 has been approved by the PST Program.

☑ Contractor confirms the report includes documentation of laboratory accreditation or the regulatory exception the PST Program approved for matrices, methods, and parameters of analysis.

S. Paranjape	SUSHAMA PARANJAPE
Contractor Certifier Signature	Contractor Certifier Printed Name
Aptim Environmental & Infrastructure, Inc.	7-Eleven, Inc., Store Number 26342
Contractor Name	Site ID Number
5/02/2019	
Date	

Rev: 08/11/10 DRB

Data Review/Validation Checklist: Data Package Completeness				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1			Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R1 Date of sample collection included?	X			
R1 Sample receipt temperature ≤ 6°C?	X			
R1 Signed C-O-Cs included?	X			
R2 Field I.D. included?	X			
R2 Laboratory I.D. included?	X			
R3 Date of analysis included?	X			
R3 Date of sample prep. included?	X			
R3 Detection levels included?	X			
R3 Holding time to analysis expired?		X		
R3 Holding time to prep expired?		X		
R3 Met method quantitation limits?	X			
R3 Method reference included?	X			
R3 Sample matrix included?	X			
R3 Sample results included?	X			
R9 Evaluate unadjusted MQLs?	X			
R10 Exception reports included, where required?	X			
R10 Are justifications for elevated SQLs provided?			X	SQLs elevated due to dilution.
Definitions: AA – Atomic Absorption; %D – Percent Difference; ICP – Inductively Coupled Plasma; IDL – Instrument Detection Limit; MDL – Method Detection Limit; %R – Percent Recovery; RF – Response Factor; RPD – Relative Percent Difference; RRT – Relative Retention Times; RSD – Relative Standard Deviation				
COMMENTS				
Data are acceptable as reported by the laboratory.				

Data Usability Review/Validation Checklist: GC/MS QC, Method SW846-8260B				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1		Date Sampled: 3/28/2019	
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R4 Surrogate Data Included in Lab Package? Required surrogates included? Recoveries within limits (see below OR Lab Limits or **60-140%**)? (Reject <10%R) Areas within limits? (within -50% to+100% of last calibration check) RRT within limits? (< 30 sec. difference from last calibration check)	X X X X X			
R5 Method Blank Data Included in Lab Package? Criteria met? (<10X RL for lab contamination; <5XRL for others))	X	X		Detected toluene at 0.0002071 mg/L in QC Batch 585037, see comments below:
R6 QC Check Samples/LCS Data Included in Lab Package? % Recovery criteria met? Lab Limits OR **60-140%**	X X			
R7 Matrix Spike Data Included in Lab Package? %R criteria met? Lab Limits or **60-140%** RPD criteria met? **40 %** OR 25 RPD H_20, 50 RPD Soils or Lab	X X X			
S1 Initial Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
%RSD criteria met for CCC?**; (<30%RSD for CCC; >15% RSD must have fit)	X			According to the LRC.
S2 Continuing Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
% Difference (%D) criteria met for CCC?** 20% D Max; Qualify if >25%D	X			According to the LRC.
S3 Instrument Tune for GC-MS Included In Lab Package?		X		
S4 Internal Standard Data Included in Lab Package?		X		

Data Usability Review/Validation Checklist: GC/MS QC (continued), Method SW846-8260B			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1		Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019		

SURROGATE	H_2O (%R)	SOIL (%R)	NOTES:
1,2-Dichloroethane-d_4	80-120	80-120	
Dibromofluoromethane	86-118	80-120	
Toluene-d_8	88-110	81-117	
Bromofluorobenzene	86-115	74-121	
Nitrobenzene-d_5	35-114	23-120	
2-Fluorobiphenyl	43-116	30-115	
Terphenyl-d_{14}	33-141	18-137	
Phenol-d_5	10-94	24-113	
2-Fluorophenol	21-100	25-121	
2,4,6-Tribromophenol	10-123	19-122	
2-Chlorophenol-d_4	33-110	20-130	
1,2-Dichlorobenzene-d_4	16-110	20-130	

COMMENTS

LRC: Laboratory Review Checklist.

R5: Sample concentrations less than five times (or ten times for common lab contaminants) the blank concentrations are considered as not-detected (qualified U).

Notes:

1. Circle applicable QC criteria.
2. Repeat form as needed.

* SPCC (System Performance Check Compounds): chloromethane (0.1), 1,1-dichloroethane (0.1), bromoform (0.1), 1,1,2,2-tetrachloroethane (0.3) and chlorobenzene (0.3) (volatiles); nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-4-dinitrophenol and 4-nitrophenol (semi-volatiles.)

** CCC (Calibration Check Compounds) are 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride (volatiles); acenaphthene, 1,4-dichlorobenzene, hexachlorobutadiene, nitroso-di-n-phenylamine, di-n-octylphthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, and 2,4,6-trichlorophenol.

Data Usability Review/Validation Checklist: Gas Chromatography QC- Method TCEQ 1005				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1			Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R4 Surrogate Data Included in Lab Package? Required Surrogates Included? %R criteria met? **60-140%** (Reject <10%R)	X X X			
R5 Method Blank Data Included in Lab Package? Criteria met? (**<RL**)	X X			
R6 QC Check Samples/LCS Data Included in Lab Package? %R criteria met? **60-140%** or Lab Limits or DQO Limits	X	 X		 C_6-C_{12} recovery above limits for QC Batch 584491, See comments below:
R7 Matrix Spike Data Included in Lab Package? %R criteria met? **60-140%** or Lab Limits or DQO Limits RPD criteria met? RPD **<40%**		X	 X X	
S1 Initial Calibration Documentation Included in Lab Package? %RSD criteria met? (**<25%**)	 X	X		 According to the LRC.
S2 Calibration Verification Data Included in Lab Package? % RPD criteria met? (**<25%**)	 X	X		 According to the LRC.
COMMENTS				
LRC: Laboratory Review Checklist.				
R6: Detected C_6-C_{12} results are considered to be acceptable as estimated, biased high (qualified JH) for samples in the QC Batch 584491. Non-detected results are not impacted.				
Notes: 1. Circle applicable QC criteria used in the evaluation of the data. 2 Repeat form as needed.				

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1	Date Sampled: 3/28/2019	
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019		

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier
Preservation (R1)			
Outside specifications	None	None	None
Holding Times (R2)			
Outside specifications	None	None	None
Grossly outside specifications	None	None	None
Surrogate Spikes (R4)			
%R above specifications for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R below specifications but >10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R <10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R outside specifications for two or more surrogates in more than one direction	None	None	None
Laboratory Blanks (R5)			
Analyte present above MDL	None	None	None
Field QC Blanks (FB)			
Analyte present above MDL	N/A	N/A	N/A
Laboratory Control Sample (LCS) (R6)			
%R above specifications	None	None	None
%R below specifications and greater than 10%	None	None	None
%R below 10%	None	None	None
Matrix Spike (MS) (R7)			
%R above specifications	None	None	None

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-1	Date Sampled: 3/28/2019	
Reviewer: Sushama Paranjape	Date Checked: May 2, 2019		

QC Parameter and Document Finding	***Samples to Qualify***	***Results to Qualify***	***Qualifier***
%R below specifications and greater than 10%	None	None	None
%R below10%	None	None	None
Note: If the spiking amount is less than four times the result in the unspiked parent sample, the MS/MSD data may not represent the matrix effect, and professional judgment should be used in evaluating and qualifying the data.			
Duplicate Sample Analysis (including MSD) (R7, R8)			
RPD outside specifications and result >5X MQL	None	None	None
RPD outside specifications and results < 5X MQL	None	None	None
Field Duplicate Analysis			
RPD outside specifications and analyte conc. >5X MQL	N/A	N/A	N/A
RPD outside specifications and analyte conc. <5X MQL	N/A	N/A	N/A
Initial Calibration (S1)			
Outside specifications	None	None	None
Initial and/or Continuing Calibration Verification (ICV/CCV) (S2)			
Outside specifications	None	None	None
Internal Standard Area Counts (S4)			
Above specifications	None	None	None
Below specifications	None	None	None
Dual Column Confirmation (S6)			
Results agree > 40% and co-elution suspected	N/A	N/A	N/A
Not performed	N/A	N/A	N/A
Note: Where historical data, such as groundwater monitoring data, have documented the presence of analyte, second column confirmation may not be warranted during routine monitoring analyses.			
Tentatively Identified Compounds (S7) **(if requested)**			
TIC analysis performed.	N/A	N/A	N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-171175-1
Client Project/Site: 7-11 No 26342(TX)

For:
Aptim Environmental & Infrastructure Inc
12005 Ford Road, Suite 600
Dallas, Texas 75234

Attn: Alex Mebrahtu

Authorized for release by:
4/2/2019 4:12:09 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
[redacted]

Table of Contents

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-171175-1	MW-1	Water	03/28/19 12:30	03/30/19 09:00
490-171175-2	MW-2R	Water	03/28/19 13:10	03/30/19 09:00
490-171175-3	MW-6	Water	03/28/19 13:30	03/30/19 09:00
490-171175-4	MW-7	Water	03/28/19 12:45	03/30/19 09:00
490-171175-5	MW-5	Water	03/28/19 13:45	03/30/19 09:00
490-171175-6	MW-4	Water	03/28/19 14:05	03/30/19 09:00
490-171175-7	MW-8	Water	03/28/19 14:35	03/30/19 09:00
490-171175-8	MW-3	Water	03/28/19 15:05	03/30/19 09:00

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Nashville job number 490-171175-1 and consists of:

- ☑ 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.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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.

Leah Klingensmith		4/2/2019
Name (printed)	Signature	Date

Senior Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	4/2/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-1
Reviewer Name:	Leah Klingensmith		

#[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			R06D
		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			R07B
		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 - Page 3 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	4/2/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-1
Reviewer Name:	Leah Klingensmith		

#[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 (ICV 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 - Page 4 of 4

Laboratory Name:	TestAmerica Nashville	LRC Date:	4/2/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-1
Reviewer Name:	Leah Klingensmith		

ER #[1]	Description
R06D	Method TX 1005: The laboratory control sample (LCS) for 490-584491 recovered outside control limits for the following analyte: C6-C12. This analyte was biased high in the LCS and was not detected in the following associated samples; therefore, the data have been reported: MW-1 (490-171175-1), MW-2R (490-171175-2), MW-6 (490-171175-3), MW-7 (490-171175-4) and MW-5 (490-171175-5).
R07B	Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 490-585037. Method(s) TX 1005: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 490-584491, 490-584793.
Misc	Method 8260B: The method blank for analytical batch 490-585037 contained Toluene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-analysis of samples was not performed.

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).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

METHOD: 5030 8260
ANALYST: J.Redmond
ANALYSIS DATE: 12/19/18
INSTRUMENT: HP-34
BATCH: 564808
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
1,1,1,2-Tetrachloroethane	0.5	0.15	0.3310	ug/L	Pass
1,1,1-Trichloroethane	0.5	0.19	0.3280	ug/L	Pass
1,1,2,2-Tetrachloroethane	0.5	0.19	0.3820	ug/L	Pass
1,1,2-Trichloro-1,2,2-trifluoroeth	0.5	0.15	0.3980	ug/L	Pass
1,1,2-Trichloroethane	0.5	0.19	0.4170	ug/L	Pass
1,1-Dichloroethane	0.5	0.24	0.4690	ug/L	Pass
1,1-Dichloroethene	0.5	0.25	0.3800	ug/L	Pass
1,1-Dichloropropene	0.5	0.20	0.4180	ug/L	Pass
1,2,3-Trichlorobenzene	0.5	0.23	0.4870	ug/L	Pass
1,2,3-Trichloropropane	1	0.23	0.9140	ug/L	Pass
1,2,3-Trimethylbenzene	0.5	0.10	0.4330	ug/L	Pass
1,2,4-Trichlorobenzene	0.5	0.20	0.4300	ug/L	Pass
1,2,4-Trimethylbenzene	0.5	0.17	0.4640	ug/L	Pass
1,2-Dibromo-3-Chloropropane	2	0.94	1.2600	ug/L	Pass
1,2-Dichlorobenzene	0.5	0.19	0.4340	ug/L	Pass
1,2-Dichloroethane	0.5	0.20	0.4480	ug/L	Pass
1,2-Dichloropropane	0.5	0.25	0.4250	ug/L	Pass
1,3,5-Trichlorobenzene	0.5	0.18	0.3570	ug/L	Pass
1,3,5-Trimethylbenzene	0.5	0.17	0.4670	ug/L	Pass
1,3-Dichlorobenzene	0.5	0.18	0.4280	ug/L	Pass
1,3-Dichloropropane	0.5	0.19	0.5060	ug/L	Pass
1,4-Dichlorobenzene	0.5	0.17	0.4450	ug/L	Pass
2,2-Dichloropropane	0.5	0.16	0.4830	ug/L	Pass
2-Butanone (MEK)	5	2.64	4.7300	ug/L	Pass
2-Chloro-1,3-butadiene	2	1.67	1.8100	ug/L	Pass
2-Chloroethyl vinyl ether	1	0.67	1.0630	ug/L	Pass
2-Chlorotoluene	0.5	0.18	0.4900	ug/L	Pass
2-Hexanone	2.5	1.28	1.8100	ug/L	Pass
2-Methyl-2-propanol	10	3.9	9.5700	ug/L	Pass
2-Nitropropane	2	0.40	2.1800	ug/L	Pass
4-Chlorotoluene	0.5	0.17	0.4760	ug/L	Pass
4-Isopropyltoluene	0.5	0.17	0.4470	ug/L	Pass
4-Methyl-2-pentanone (MIBK)	2.5	0.81	1.9100	ug/L	Pass
Acetone	2.5	2.66	3.0400	ug/L	Pass
Acetonitrile	10	5.18	12.2000	ug/L	Pass
Acrylonitrile	5	0.50	4.7000	ug/L	Pass
Benzene	0.5	0.20	0.4900	ug/L	Pass
Bromobenzene	0.5	0.21	0.4900	ug/L	Pass
Bromoform	1	0.29	0.7180	ug/L	Pass
Bromomethane	0.5	0.35	0.7500	ug/L	Pass
Butadiene	0.5	0.15	0.4330	ug/L	Pass
Carbon disulfide	0.5	0.22	0.4070	ug/L	Pass
Carbon tetrachloride	0.5	0.18	0.3130	ug/L	Pass
Chlorobenzene	0.5	0.18	0.4250	ug/L	Pass
Chlorobromomethane	0.5	0.15	0.3150	ug/L	Pass
Chlorodibromomethane	0.5	0.25	0.4630	ug/L	Pass
Chloroethane	1	0.36	0.9150	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

THE LEADER IN ENVIRONMENTAL TESTING

NASHVILLE, TN

ANALYSIS DATE: 12/19/18

BATCH: 564808

METHOD: 5030 8260

ANALYST: J.Redmond

INSTRUMENT: HP-34

MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Chloroform	0.5	0.23	0.4460	ug/L	Pass
Chloromethane	0.5	0.36	0.5200	ug/L	Pass
cis-1,2-Dichloroethene	0.5	0.21	0.4010	ug/L	Pass
cis-1,3-Dichloropropene	0.5	0.17	0.3890	ug/L	Pass
Cyclohexane	0.5	0.13	0.4730	ug/L	Pass
Dibromomethane	1	0.45	0.9640	ug/L	Pass
Dichlorobromomethane	0.5	0.17	0.3250	ug/L	Pass
Dichlorodifluoromethane	0.5	0.17	0.3510	ug/L	Pass
Dichlorofluoromethane	0.5	0.09	0.4610	ug/L	Pass
Ethyl ether	1	0.25	1.1200	ug/L	Pass
Ethyl methacrylate	1	0.68	0.9210	ug/L	Pass
Ethylbenzene	0.5	0.19	0.4930	ug/L	Pass
Ethylene Dibromide	0.5	0.21	0.3120	ug/L	Pass
Hexachlorobutadiene	0.5	0.38	0.3850	ug/L	Pass
Hexane	0.5	0.21	0.5030	ug/L	Pass
Isopropyl ether	0.5	0.17	0.5360	ug/L	Pass
Isopropylbenzene	0.5	0.33	0.4490	ug/L	Pass
Methacrylonitrile	10	6.67	11.1000	ug/L	Pass
Methyl acetate	2	0.58	2.8000	ug/L	Pass
Methyl methacrylate	1	0.23	1.0500	ug/L	Pass
Methyl tert-butyl ether	0.5	0.17	0.4460	ug/L	Pass
Methylcyclohexane	0.5	0.09	0.3960	ug/L	Pass
Methylene Chloride	1	1.0	1.4200	ug/L	Pass
m-Xylene & p-Xylene	0.5	0.38	0.5370	ug/L	Pass
Naphthalene	0.5	0.21	0.4320	ug/L	Pass
n-Butanol	50	28.8	41.9600	ug/L	Pass
n-Butyl acetate	2	0.05	1.9400	ug/L	Pass
n-Butylbenzene	0.5	0.24	0.4830	ug/L	Pass
n-Heptane	1	0.24	1.1800	ug/L	Pass
N-Propylbenzene	0.5	0.17	0.4850	ug/L	Pass
o-Xylene	0.5	0.20	0.5030	ug/L	Pass
Propionitrile	5	2.72	4.0400	ug/L	Pass
sec-Butylbenzene	0.5	0.17	0.4560	ug/L	Pass
Styrene	0.5	0.28	0.4160	ug/L	Pass
Tert-amyl methyl ether	0.5	0.17	0.4070	ug/L	Pass
Tert-butyl ethyl ether	0.5	0.21	0.4340	ug/L	Pass
tert-Butylbenzene	0.5	0.17	0.4380	ug/L	Pass
Tetrachloroethene	0.5	0.14	0.5060	ug/L	Pass
Tetrahydrofuran	4	0.82	2.5000	ug/L	Pass
Toluene	0.5	0.17	0.5070	ug/L	Pass
trans-1,2-Dichloroethene	0.5	0.23	0.5190	ug/L	Pass
trans-1,3-Dichloropropene	0.5	0.17	0.3260	ug/L	Pass
trans-1,4-Dichloro-2-butene	2	0.46	1.4200	ug/L	Pass
Trichloroethene	0.5	0.20	0.3370	ug/L	Pass
Trichlorofluoromethane	0.5	0.21	0.3660	ug/L	Pass
Vinyl acetate	4	1.71	3.4400	ug/L	Pass
Vinyl chloride	0.5	0.18	0.4330	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.

Detection of the analyte at the appropriate test concentration indicates acceptable results.

*TRRP: Texas Risk Reduction Program

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

ANALYSIS DATE: 12/19/18
BATCH: 564808

METHOD: 5030 8260
ANALYST: J.Redmond
INSTRUMENT: HP-34
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Xylenes, Total	1	0.58	1.0410	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

ANALYSIS DATE: 12/17/2018

BATCH: 564124

METHOD: TX1005

ANALYST: GH

INSTRUMENT: HP73

MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
Over C6-C12	5710	900	5320	ug/L	Pass
Over C12-C28	5710	900	5690	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

Unadjusted Detection Limits

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
Benzene	0.00100	0.000200	mg/L	8260B
Ethylbenzene	0.00100	0.000190	mg/L	8260B
Methyl tert-butyl ether	0.00100	0.000170	mg/L	8260B
Toluene	0.00100	0.000170	mg/L	8260B
Xylenes, Total	0.00300	0.000580	mg/L	8260B

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Prep: TX_1005_W_Prep

Analyte	MQL	MDL	Units	Method
C6-C12	1.50	0.900	mg/L	TX 1005
C6-C35 Summary	1.50	0.900	mg/L	TX 1005
Over C12-C28	1.50	0.900	mg/L	TX 1005
Over C28-C35	1.50	0.900	mg/L	TX 1005

Job ID: 490-171175-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-171175-1

Comments
No additional comments.

Receipt
The samples were received on 3/30/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.6° C.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
b	The compound was found in the blank and sample

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

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

Client Sample ID: MW-1
Date Collected: 03/28/19 12:30
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			04/01/19 16:01	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 16:01	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/01/19 16:01	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/01/19 16:01	1
Methyl tert-butyl ether	**0.000281**	**J**	0.00100	0.000170	mg/L			04/01/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*04/01/19 16:01*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/01/19 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*04/01/19 16:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*04/01/19 16:01*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U *	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:29	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:29	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:29	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*90*		*70 - 130*	*03/30/19 12:11*	*03/31/19 13:29*	*1*

Client Sample ID: MW-2R
Date Collected: 03/28/19 13:10
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00282**		0.00100	0.000200	mg/L			04/01/19 16:27	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 16:27	1
Ethylbenzene	**0.000568**	**J**	0.00100	0.000190	mg/L			04/01/19 16:27	1
Xylenes, Total	**0.000821**	**J**	0.00300	0.000580	mg/L			04/01/19 16:27	1
Methyl tert-butyl ether	**0.0117**		0.00100	0.000170	mg/L			04/01/19 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*04/01/19 16:27*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/01/19 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/01/19 16:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/01/19 16:27*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U *	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:58	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:58	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:58	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*99*		*70 - 130*	*03/30/19 12:11*	*03/31/19 13:58*	*1*

Client Sample ID: MW-6
Date Collected: 03/28/19 13:30
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000231**	**J**	0.00100	0.000200	mg/L			04/01/19 16:53	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 16:53	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/01/19 16:53	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/01/19 16:53	1
Methyl tert-butyl ether	**0.147**		0.00100	0.000170	mg/L			04/01/19 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*04/01/19 16:53*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/01/19 16:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/01/19 16:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/01/19 16:53*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U *	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:27	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:27	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:27	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*85*		*70 - 130*	*03/30/19 12:11*	*03/31/19 14:27*	*1*

Client Sample ID: MW-7
Date Collected: 03/28/19 12:45
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			04/01/19 17:19	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 17:19	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/01/19 17:19	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/01/19 17:19	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			04/01/19 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*04/01/19 17:19*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/01/19 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*04/01/19 17:19*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/01/19 17:19*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U *	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:56	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:56	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:56	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*85*		*70 - 130*	*03/30/19 12:11*	*03/31/19 14:56*	*1*

Client Sample ID: MW-5
Date Collected: 03/28/19 13:45
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			04/01/19 17:45	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 17:45	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/01/19 17:45	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/01/19 17:45	1
Methyl tert-butyl ether	**0.0114**		0.00100	0.000170	mg/L			04/01/19 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*04/01/19 17:45*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/01/19 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/01/19 17:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/01/19 17:45*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U *	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 15:25	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 15:25	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 15:25	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*82*		*70 - 130*	*03/30/19 12:11*	*03/31/19 15:25*	*1*

Client Sample ID: MW-4
Date Collected: 03/28/19 14:05
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.295**		0.00100	0.000200	mg/L			04/01/19 18:11	1
Toluene	**0.00250**		0.00100	0.000170	mg/L			04/01/19 18:11	1
Ethylbenzene	**0.0723**		0.00100	0.000190	mg/L			04/01/19 18:11	1
Xylenes, Total	**0.0852**		0.00300	0.000580	mg/L			04/01/19 18:11	1
Methyl tert-butyl ether	**0.00192**		0.00100	0.000170	mg/L			04/01/19 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*04/01/19 18:11*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/01/19 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*04/01/19 18:11*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/01/19 18:11*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**12.2**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:22	1
Over C12-C28	**2.20**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:22	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:22	1
C6-C35 Summary	**14.4**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*96*		*70 - 130*	*04/01/19 10:27*	*04/01/19 16:22*	*1*

Client Sample ID: MW-8
Date Collected: 03/28/19 14:35
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.748**		0.00500	0.00100	mg/L			04/02/19 13:52	5
Toluene	**0.00868**	**b**	0.00500	0.000850	mg/L			04/02/19 13:52	5
Ethylbenzene	**0.409**		0.00500	0.000950	mg/L			04/02/19 13:52	5
Xylenes, Total	**0.200**		0.0150	0.00290	mg/L			04/02/19 13:52	5
Methyl tert-butyl ether	**0.0371**		0.00500	0.000850	mg/L			04/02/19 13:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*04/02/19 13:52*	*5*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/02/19 13:52*	*5*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*04/02/19 13:52*	*5*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*04/02/19 13:52*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**47.3**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:57	1
Over C12-C28	**4.86**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:57	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:57	1
C6-C35 Summary	**52.2**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*92*		*70 - 130*	*04/01/19 10:27*	*04/01/19 16:57*	*1*

Client Sample ID: MW-3
Date Collected: 03/28/19 15:05
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.69**		0.00500	0.00100	mg/L			04/02/19 14:18	5
Toluene	**0.0190**		0.00100	0.000170	mg/L			04/01/19 18:38	1
Ethylbenzene	**0.476**		0.00500	0.000950	mg/L			04/02/19 14:18	5
Xylenes, Total	**0.191**		0.00300	0.000580	mg/L			04/01/19 18:38	1
Methyl tert-butyl ether	**0.0442**		0.00100	0.000170	mg/L			04/01/19 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*04/01/19 18:38*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*04/02/19 14:18*	*5*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/01/19 18:38*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/02/19 14:18*	*5*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/01/19 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/02/19 14:18*	*5*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*04/01/19 18:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*04/02/19 14:18*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**6.63**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 17:33	1
Over C12-C28	**1.10**	J	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 17:33	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 17:33	1
C6-C35 Summary	**7.73**		1.50	0.900	mg/L		04/01/19 10:27	04/01/19 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*89*		*70 - 130*	*04/01/19 10:27*	*04/01/19 17:33*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DBFM (70-130)	TOL (70-130)	DCA (70-130)	BFB (70-130)
490-171175-1	MW-1	106	97	99	100
490-171175-1 MS	MW-1	104	95	93	100
490-171175-1 MSD	MW-1	103	95	96	99
490-171175-2	MW-2R	104	97	97	103
490-171175-3	MW-6	105	97	97	102
490-171175-4	MW-7	107	99	98	99
490-171175-5	MW-5	103	99	97	99
490-171175-6	MW-4	105	97	98	99
490-171175-7	MW-8	106	95	95	98
490-171175-8	MW-3	108	95	97	98
490-171175-8	MW-3	108	96	97	96
LCS 490-584856/3	Lab Control Sample	104	97	96	99
LCS 490-585037/3	Lab Control Sample	104	95	96	100
LCSD 490-584856/4	Lab Control Sample Dup	104	97	95	99
LCSD 490-585037/4	Lab Control Sample Dup	105	95	99	101
MB 490-584856/7	Method Blank	108	96	97	99
MB 490-585037/7	Method Blank	108	95	96	100

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (70-130)
490-171175-1	MW-1	90
490-171175-2	MW-2R	99
490-171175-3	MW-6	85
490-171175-4	MW-7	85
490-171175-5	MW-5	82
490-171175-6	MW-4	96
490-171175-7	MW-8	92
490-171175-8	MW-3	89
LCS 490-584491/2-A	Lab Control Sample	104
LCS 490-584793/2-A	Lab Control Sample	93
LCSD 490-584491/3-A	Lab Control Sample Dup	89
LCSD 490-584793/3-A	Lab Control Sample Dup	97
MB 490-584491/1-A	Method Blank	109
MB 490-584793/1-A	Method Blank	102

Surrogate Legend

OTPH = o-Terphenyl (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-584856/7
Matrix: Water
Analysis Batch: 584856

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			04/01/19 14:16	1
Toluene	0.000170	U	0.00100	0.000170	mg/L			04/01/19 14:16	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/01/19 14:16	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/01/19 14:16	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			04/01/19 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*04/01/19 14:16*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/01/19 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/01/19 14:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/01/19 14:16*	*1*

Lab Sample ID: LCS 490-584856/3
Matrix: Water
Analysis Batch: 584856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05329		mg/L		107	70 - 130
Toluene	0.0500	0.05101		mg/L		102	70 - 130
Ethylbenzene	0.0500	0.05161		mg/L		103	70 - 130
Xylenes, Total	0.150	0.1533		mg/L		102	70 - 132
Methyl tert-butyl ether	0.0500	0.05541		mg/L		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 490-584856/4
Matrix: Water
Analysis Batch: 584856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05316		mg/L		106	70 - 130	0	12
Toluene	0.0500	0.05116		mg/L		102	70 - 130	0	13
Ethylbenzene	0.0500	0.05208		mg/L		104	70 - 130	1	12
Xylenes, Total	0.150	0.1531		mg/L		102	70 - 132	0	11
Methyl tert-butyl ether	0.0500	0.05422		mg/L		108	70 - 130	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: 490-171175-1 MS
Matrix: Water
Analysis Batch: 584856

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000200	U	0.0500	0.05275		mg/L		106	55 - 147
Toluene	0.000170	U	0.0500	0.04954		mg/L		99	64 - 136
Ethylbenzene	0.000190	U	0.0500	0.05005		mg/L		100	65 - 139
Xylenes, Total	0.000580	U	0.150	0.1468		mg/L		98	69 - 132
Methyl tert-butyl ether	0.000281	J	0.0500	0.05032		mg/L		100	55 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 490-171175-1 MSD
Matrix: Water
Analysis Batch: 584856

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000200	U	0.0500	0.06240		mg/L		125	55 - 147	17	22
Toluene	0.000170	U	0.0500	0.05767		mg/L		115	64 - 136	15	18
Ethylbenzene	0.000190	U	0.0500	0.05895		mg/L		118	65 - 139	16	18
Xylenes, Total	0.000580	U	0.150	0.1689		mg/L		113	69 - 132	14	17
Methyl tert-butyl ether	0.000281	J	0.0500	0.06381		mg/L		127	55 - 141	24	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 490-585037/7
Matrix: Water
Analysis Batch: 585037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000200	U	0.00100	0.000200	mg/L			04/02/19 13:26	1
Toluene	0.0002071	J	0.00100	0.000170	mg/L			04/02/19 13:26	1
Ethylbenzene	0.000190	U	0.00100	0.000190	mg/L			04/02/19 13:26	1
Xylenes, Total	0.000580	U	0.00300	0.000580	mg/L			04/02/19 13:26	1
Methyl tert-butyl ether	0.000170	U	0.00100	0.000170	mg/L			04/02/19 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*04/02/19 13:26*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/02/19 13:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*04/02/19 13:26*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*04/02/19 13:26*	*1*

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

Lab Sample ID: LCS 490-585037/3
Matrix: Water
Analysis Batch: 585037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05428		mg/L		109	70 - 130
Toluene	0.0500	0.04932		mg/L		99	70 - 130
Ethylbenzene	0.0500	0.05023		mg/L		100	70 - 130
Xylenes, Total	0.150	0.1480		mg/L		99	70 - 132
Methyl tert-butyl ether	0.0500	0.05534		mg/L		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 490-585037/4
Matrix: Water
Analysis Batch: 585037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05423		mg/L		108	70 - 130	0	12
Toluene	0.0500	0.04982		mg/L		100	70 - 130	1	13
Ethylbenzene	0.0500	0.04996		mg/L		100	70 - 130	1	12
Xylenes, Total	0.150	0.1477		mg/L		98	70 - 132	0	11
Methyl tert-butyl ether	0.0500	0.06005		mg/L		120	70 - 130	8	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 490-584491/1-A
Matrix: Water
Analysis Batch: 583298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584491

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 11:34	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 11:34	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 11:34	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		03/30/19 12:11	03/31/19 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*109*		*70 - 130*	*03/30/19 12:11*	*03/31/19 11:34*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 490-584491/2-A
Matrix: Water
Analysis Batch: 583298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	57.1	83.41	*	mg/L		146	75 - 125
Over C12-C28	57.1	71.36		mg/L		125	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-584491/3-A
Matrix: Water
Analysis Batch: 583298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	57.1	69.31		mg/L		121	75 - 125	18	20
Over C12-C28	57.1	60.59		mg/L		106	75 - 125	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*89*		*70 - 130*

Lab Sample ID: MB 490-584793/1-A
Matrix: Water
Analysis Batch: 584763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584793

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 15:46	1
Over C12-C28	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 15:46	1
Over C28-C35	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 15:46	1
C6-C35 Summary	0.900	U	1.50	0.900	mg/L		04/01/19 10:27	04/01/19 15:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*102*		*70 - 130*	*04/01/19 10:27*	*04/01/19 15:46*	*1*

Lab Sample ID: LCS 490-584793/2-A
Matrix: Water
Analysis Batch: 584763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	57.1	67.10		mg/L		117	75 - 125
Over C12-C28	57.1	60.98		mg/L		107	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 490-584793/3-A
Matrix: Water
Analysis Batch: 584763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584793

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	57.1	68.17		mg/L		119	75 - 125	2	20

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCSD 490-584793/3-A
Matrix: Water
Analysis Batch: 584763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Over C12-C28			57.1	62.32		mg/L		109	75 - 125	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*97*		*70 - 130*

GC/MS VOA

Analysis Batch: 584856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-1	MW-1	Total/NA	Water	8260B	
490-171175-2	MW-2R	Total/NA	Water	8260B	
490-171175-3	MW-6	Total/NA	Water	8260B	
490-171175-4	MW-7	Total/NA	Water	8260B	
490-171175-5	MW-5	Total/NA	Water	8260B	
490-171175-6	MW-4	Total/NA	Water	8260B	
490-171175-8	MW-3	Total/NA	Water	8260B	
MB 490-584856/7	Method Blank	Total/NA	Water	8260B	
LCS 490-584856/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-584856/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-171175-1 MS	MW-1	Total/NA	Water	8260B	
490-171175-1 MSD	MW-1	Total/NA	Water	8260B	

Analysis Batch: 585037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-7	MW-8	Total/NA	Water	8260B	
490-171175-8	MW-3	Total/NA	Water	8260B	
MB 490-585037/7	Method Blank	Total/NA	Water	8260B	
LCS 490-585037/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-585037/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC Semi VOA

Analysis Batch: 583298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-1	MW-1	Total/NA	Water	TX 1005	584491
490-171175-2	MW-2R	Total/NA	Water	TX 1005	584491
490-171175-3	MW-6	Total/NA	Water	TX 1005	584491
490-171175-4	MW-7	Total/NA	Water	TX 1005	584491
490-171175-5	MW-5	Total/NA	Water	TX 1005	584491
MB 490-584491/1-A	Method Blank	Total/NA	Water	TX 1005	584491
LCS 490-584491/2-A	Lab Control Sample	Total/NA	Water	TX 1005	584491
LCSD 490-584491/3-A	Lab Control Sample Dup	Total/NA	Water	TX 1005	584491

Prep Batch: 584491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-1	MW-1	Total/NA	Water	TX_1005_W_Prep	
490-171175-2	MW-2R	Total/NA	Water	TX_1005_W_Prep	
490-171175-3	MW-6	Total/NA	Water	TX_1005_W_Prep	
490-171175-4	MW-7	Total/NA	Water	TX_1005_W_Prep	
490-171175-5	MW-5	Total/NA	Water	TX_1005_W_Prep	
MB 490-584491/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	
LCS 490-584491/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
LCSD 490-584491/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_W_Prep	

GC Semi VOA (Continued)

Analysis Batch: 584763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-6	MW-4	Total/NA	Water	TX 1005	584793
490-171175-7	MW-8	Total/NA	Water	TX 1005	584793
490-171175-8	MW-3	Total/NA	Water	TX 1005	584793
MB 490-584793/1-A	Method Blank	Total/NA	Water	TX 1005	584793
LCS 490-584793/2-A	Lab Control Sample	Total/NA	Water	TX 1005	584793
LCSD 490-584793/3-A	Lab Control Sample Dup	Total/NA	Water	TX 1005	584793

Prep Batch: 584793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-6	MW-4	Total/NA	Water	TX_1005_W_Prep	
490-171175-7	MW-8	Total/NA	Water	TX_1005_W_Prep	
490-171175-8	MW-3	Total/NA	Water	TX_1005_W_Prep	
MB 490-584793/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	
LCS 490-584793/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
LCSD 490-584793/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_W_Prep	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Client Sample ID: MW-1

Date Collected: 03/28/19 12:30
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 16:01	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584491	03/30/19 12:11	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			583298	03/31/19 13:29	GMH	TAL NSH

Client Sample ID: MW-2R

Date Collected: 03/28/19 13:10
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 16:27	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584491	03/30/19 12:11	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			583298	03/31/19 13:58	GMH	TAL NSH

Client Sample ID: MW-6

Date Collected: 03/28/19 13:30
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 16:53	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584491	03/30/19 12:11	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			583298	03/31/19 14:27	GMH	TAL NSH

Client Sample ID: MW-7

Date Collected: 03/28/19 12:45
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 17:19	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584491	03/30/19 12:11	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			583298	03/31/19 14:56	GMH	TAL NSH

Client Sample ID: MW-5

Date Collected: 03/28/19 13:45
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 17:45	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584491	03/30/19 12:11	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			583298	03/31/19 15:25	GMH	TAL NSH

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Client Sample ID: MW-4

Date Collected: 03/28/19 14:05
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 18:11	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584793	04/01/19 10:27	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			584763	04/01/19 16:22	GMH	TAL NSH

Client Sample ID: MW-8

Date Collected: 03/28/19 14:35
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	10 mL	10 mL	585037	04/02/19 13:52	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584793	04/01/19 10:27	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			584763	04/01/19 16:57	GMH	TAL NSH

Client Sample ID: MW-3

Date Collected: 03/28/19 15:05
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	584856	04/01/19 18:38	MRM	TAL NSH
Total/NA	Analysis	8260B		5	10 mL	10 mL	585037	04/02/19 14:18	MRM	TAL NSH
Total/NA	Prep	TX_1005_W_Prep			35 mL	2.5 mL	584793	04/01/19 10:27	SCR	TAL NSH
Total/NA	Analysis	TX 1005		1			584763	04/01/19 17:33	GMH	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

TestAmerica Job ID: 490-171175-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL NSH
5030B	Purge and Trap	SW846	TAL NSH
TX_1005_W_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
TestAmerica Job ID: 490-171175-1
Project/Site: 7-11 No 26342(TX)

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Texas	NELAP	6	T104704077	08-31-19

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

490-171175 Chain of Custody

Cooler Received/Opened On 3/30/2019 @ 9:00

Time Samples Removed From Cooler 10:55 Time Samples Placed In Storage 10:59 (2 Hour Window)

1. Tracking # 8650 (last 4 digits, FedEx) Courier: Fedex

IR Gun ID 31470366 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 3.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) ACE

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...(NO)...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) ACE

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) ACE

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) ACE

I certify that I attached a label with the unique LIMS number to each container (intial) ACE

21. Were there Non-Conformance Issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 8/23/17

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Dallas/Ft. Worth #238

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Owen Craven	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 490-77337-22309.1
Client Contact: Alex Mebrahtu	Phone: 385-775-0646	E-Mail: [redacted]		Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc				Job #:
Address: 12005 Ford Road, Suite 600	Due Date Requested:			
City: Dallas	TAT Requested (days): 24hr. TAT Except PAH (Extended)			
State, Zip: TX, 75234	PO #:			
Phone: 972-773-8449(Tel)	WO #:			
Email: [redacted]				
Project Name: 7-11 No 26342.EL(TX)	Project #: 49008085			
Site: 26342	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM - (MOD) 8270D SIM PAH List	8260B BTEX/MTBE	TX_1005	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-1	3/28/19	1230	G	W			X	X	X		PAH on MW-4, MW-8 MW-3
MW-2R		1310						X	X		
MW-6		1330						X	X		
MW-7		1245						X	X		
MW-5		1345						X	X		
MW-4		1405					X	X	X		
MW-8		1435					X	X	X		
MW-3	X	1505	X	X			X	X	X		

Loc: 490
171175

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: QC, OCS

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Owen Craven	3/28/19 1545	APTIM	FedEx		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/30/19	Company TA-NSV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6

Ver: 08/04/2016

Texas Commission on Environmental Quality - Remediation Division

CONTRACTOR LABORATORY ANALYTICAL DATA CERTIFICATION

Contractor Laboratory Analytical Data Certification is a requirement of the Petroleum Storage Tank Programs (PST) Quality Assurance Project Plan (QAPP). This form must be completed by the contractor performing work for the PST Program and included in all reports that contain laboratory analytical data. Form should be filed as the first page of the laboratory analysis results, followed immediately with the laboratory NELAP accreditation certificate.

☑ Contractor performing work for the PST Program certifies that analytical data has been reviewed and evaluated for technical acceptability, including problems and anomalies associated with the data.

☑ Contractor performing work for the PST Program certifies that a determination has been made of usability of analytical data, with regard to project objectives.

☑ Contractor performing work for the PST Program certifies the laboratory was NELAP accredited under the Texas Laboratory Accreditation Program at the time of data generation for the matrices, methods, and parameters of analysis or a regulatory exception under 30 TAC 25.6 has been approved by the PST Program.

☑ Contractor confirms the report includes documentation of laboratory accreditation or the regulatory exception the PST Program approved for matrices, methods, and parameters of analysis.

S. Paranjape	SUSHAMA PARANJAPE
Contractor Certifier Signature	Contractor Certifier Printed Name
Aptim Environmental & Infrastructure, Inc.	7-Eleven, Inc., Store Number 26342
Contractor Name	Site ID Number
5/03/2019	
Date	

Rev: 08/11/10 DRB

Data Review/Validation Checklist: Data Package Completeness				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-2			Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 3, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R1 Date of sample collection included?	X			
R1 Sample receipt temperature ≤ 6°C?	X			
R1 Signed C-O-Cs included?	X			
R2 Field I.D. included?	X			
R2 Laboratory I.D. included?	X			
R3 Date of analysis included?	X			
R3 Date of sample prep. included?	X			
R3 Detection levels included?	X			
R3 Holding time to analysis expired?		X		
R3 Holding time to prep expired?		X		
R3 Met method quantitation limits?	X			
R3 Method reference included?	X			
R3 Sample matrix included?	X			
R3 Sample results included?	X			
R9 Evaluate unadjusted MQLs?	X			
R10 Exception reports included, where required?	X			
R10 Are justifications for elevated SQLs provided?			X	SQLs elevated due to dilution.
Definitions: AA – Atomic Absorption; %D – Percent Difference; ICP – Inductively Coupled Plasma; IDL – Instrument Detection Limit; MDL – Method Detection Limit; %R – Percent Recovery; RF – Response Factor; RPD – Relative Percent Difference; RRT – Relative Retention Times; RSD – Relative Standard Deviation				
COMMENTS				
Data are acceptable as reported by the laboratory.				

Data Usability Review/Validation Checklist: GC/MS QC, Method SW846-8270D Selected Ion Monitoring (SIM) technique				
Client Name: 7-Eleven, Inc.	Project Number: 153488			
Store Number: 26342	Project Manager: Alex Mebrahtu			
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-2		Date Sampled: 3/28/2019	
Reviewer: Sushama Paranjape	Date Checked: May 3, 2019			
ITEM	**YES**	**NO**	**N/A**	**COMMENTS**
R4 Surrogate Data Included in Lab Package?	X			
Required surrogates included?	X			
Recoveries within limits (see below OR Lab Limits or **60-140%**)? (Reject <10%R)		X		One below limits for sample number MW-8, see comments below:
Areas within limits? (**within -50% to+100% of last calibration check**)	X			
RRT within limits? (**< 30 sec. difference from last calibration check**)	X			
R5 Method Blank Data Included in Lab Package?	X			
Criteria met? (**<5X RL for lab contamination; <RL for others**)	X			
R6 QC Check Samples/LCS Data Included in Lab Package?	X			
% Recovery criteria met? Lab Limits OR **60-140%**	X			
R7 Matrix Spike Data Included in Lab Package?		X		
%R criteria met? Lab Limits or **60-140%**			X	
RPD criteria met? **40 %** OR 25 RPD H_20, 50 RPD Soils or Lab			X	
S1 Initial Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
%RSD criteria met for CCC?**; (**<30%RSD for CCC; >15% RSD must have fit**)	X			According to the LRC.
S2 Continuing Calibration Data Included in Lab Package?		X		
RF criteria met for SPCC?*; RRF < 0.05 must be rejected	X			According to the LRC.
% Difference (%D) criteria met for CCC?** 20% D Max; Qualify if >25%D	X			According to the LRC.
S3 Instrument Tune for GC-MS Included In Lab Package?		X		
S4 Internal Standard Data Included in Lab Package?		X		

Data Usability Review/Validation Checklist: GC/MS QC (continued), Method SW846-8270D SIM			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-2		Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 3, 2019		
SURROGATE	**H_2O (%R)**	**SOIL (%R)**	**NOTES:**
1,2-Dichloroethane-d_4	80-120	80-120	
Dibromofluoromethane	86-118	80-120	
Toluene-d_8	88-110	81-117	
Bromofluorobenzene	86-115	74-121	
Nitrobenzene-d_5	35-114	23-120	
2-Fluorobiphenyl	43-116	30-115	
Terphenyl-d_{14}	33-141	18-137	
Phenol-d_5	10-94	24-113	
2-Fluorophenol	21-100	25-121	
2,4,6-Tribromophenol	10-123	19-122	
2-Chlorophenol-d_4	33-110	20-130	
1,2-Dichlorobenzene-d_4	16-110	20-130	

COMMENTS

LRC: Laboratory Review Checklist.

R4: Since only one surrogate recovery is out of acceptance limits in this method with multiple spike compounds, the data are not required to be qualified and are considered to be acceptable as reported by the laboratory for sample number MW-8.

Notes:

1. Circle applicable QC criteria.
2. Repeat form as needed.

* SPCC (System Performance Check Compounds): chloromethane (0.1), 1,1-dichloroethane (0.1), bromoform (0.1), 1,1,2,2-tetrachloroethane (0.3) and chlorobenzene (0.3) (volatiles); nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-4-dinitrophenol and 4-nitrophenol (semi-volatiles.)

** CCC (Calibration Check Compounds) are 1,1-dichloroethene, chloroform, 1,2-dichloropropane, toluene, ethylbenzene, and vinyl chloride (volatiles); acenaphthene, 1,4-dichlorobenzene, hexachlorobutadiene, nitroso-di-n-phenylamine, di-n-octylphthalate, fluoranthene, benzo(a)pyrene, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2-nitrophenol, phenol, pentachlorophenol, and 2,4,6-trichlorophenol.

Determination of Data Usability Qualifiers for Organics		
Client Name: 7-Eleven, Inc.	Project Number: 153488	
Store Number: 26342	Project Manager: Alex Mebrahtu	
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-2	Date Sampled: 3/28/2019
Reviewer: Sushama Paranjape	Date Checked: May 3, 2019	

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier
Preservation (R1)			
Outside specifications	None	None	None
Holding Times (R2)			
Outside specifications	None	None	None
Grossly outside specifications	None	None	None
Surrogate Spikes (R4)			
%R above specifications for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R below specifications but >10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R <10% for i) more than 1 compound in method with multiple spike compounds or ii) 2 or more acid or 2 or more base compounds.	None	None	None
%R outside specifications for two or more surrogates in more than one direction	None	None	None
Laboratory Blanks (R5)			
Analyte present above MDL	None	None	None
Field QC Blanks (FB)			
Analyte present above MDL	N/A	N/A	N/A
Laboratory Control Sample (LCS) (R6)			
%R above specifications	None	None	None
%R below specifications and greater than 10%	None	None	None
%R below 10%	None	None	None
Matrix Spike (MS) (R7)			
%R above specifications	N/A	N/A	N/A

Determination of Data Usability Qualifiers for Organics			
Client Name: 7-Eleven, Inc.	Project Number: 153488		
Store Number: 26342	Project Manager: Alex Mebrahtu		
Laboratory: TestAmerica-Nashville, TN	Laboratory Job No: 490-171175-2	Date Sampled: 3/28/2019	
Reviewer: Sushama Paranjape	Date Checked: May 3, 2019		

QC Parameter and Document Finding	Samples to Qualify	Results to Qualify	Qualifier
%R below specifications and greater than 10%	N/A	N/A	N/A
%R below10%	N/A	N/A	N/A
Note: If the spiking amount is less than four times the result in the unspiked parent sample, the MS/MSD data may not represent the matrix effect, and professional judgment should be used in evaluating and qualifying the data.			
Duplicate Sample Analysis (including MSD) (R7, R8)			
RPD outside specifications and result >5X MQL	N/A	N/A	N/A
RPD outside specifications and results < 5X MQL	N/A	N/A	N/A
Field Duplicate Analysis			
RPD outside specifications and analyte conc. >5X MQL	N/A	N/A	N/A
RPD outside specifications and analyte conc. <5X MQL	N/A	N/A	N/A
Initial Calibration (S1)			
Outside specifications	None	None	None
Initial and/or Continuing Calibration Verification (ICV/CCV) (S2)			
Outside specifications	None	None	None
Internal Standard Area Counts (S4)			
Above specifications	None	None	None
Below specifications	None	None	None
Dual Column Confirmation (S6)			
Results agree > 40% and co-elution suspected	N/A	N/A	N/A
Not performed	N/A	N/A	N/A
Note: Where historical data, such as groundwater monitoring data, have documented the presence of analyte, second column confirmation may not be warranted during routine monitoring analyses.			
Tentatively Identified Compounds (S7) **(if requested)**			
TIC analysis performed.	N/A	N/A	N/A

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

Laboratory Job ID: 490-171175-2
Client Project/Site: 7-11 No 26342(TX)

For:
Aptim Environmental & Infrastructure Inc
12005 Ford Road, Suite 600
Dallas, Texas 75234

Attn: Alex Mebrahtu

Authorized for release by:
4/9/2019 12:26:30 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
[redacted]

Table of Contents

Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-171175-7	MW-8	Water	03/28/19 14:35	03/30/19 09:00

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins TestAmerica, Nashville job number 490-171175-2 and consists of:

- ☑ 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.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

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.

Leah Klingensmith		4/9/2019
Name (printed)	Signature	Date

Senior Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins TestAmerica, Nashville	LRC Date:	4/9/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-2
Reviewer Name:	Leah Klingensmith		

#[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			R07B
		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 - Page 3 of 4

Laboratory Name:	Eurofins TestAmerica, Nashville	LRC Date:	4/9/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-2
Reviewer Name:	Leah Klingensmith		

#[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 (ICV 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);
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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 - Page 4 of 4

Laboratory Name:	Eurofins TestAmerica, Nashville	LRC Date:	4/9/2019
Project Name:	7-11 No 26342(TX)	Laboratory Job Number:	490-171175-2
Reviewer Name:	Leah Klingensmith		

ER #[1]	Description
R07B	Method 8270D SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 490-584526.

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).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Detectability Check Standard (DCS, TRPP) Report*

NASHVILLE, TN

METHOD: 3510 LVI 8270 SIM
ANALYST: KP
ANALYSIS DATE: 1/8/2019
INSTRUMENT: HP65
BATCH: 568378
MATRIX: Water

Analyte	Test Concentration	Method Detection Limit	Result	Units	DCS Pass/Fail
1-Methylnaphthalene	0.8	0.05	1.74	ug/L	Pass
2-Methylnaphthalene	0.8	0.05	1.67	ug/L	Pass
Acenaphthene	0.8	0.05	1.48	ug/L	Pass
Acenaphthylene	0.8	0.05	1.37	ug/L	Pass
Anthracene	0.8	0.05	1.64	ug/L	Pass
Benzo(a)anthracene	0.8	0.025	1.59	ug/L	Pass
Benzo(a)pyrene	0.8	0.025	1.56	ug/L	Pass
Benzo(b)fluoranthene	0.8	0.025	1.51	ug/L	Pass
Benzo(g,h,i)perylene	0.8	0.05	1.69	ug/L	Pass
Benzo(k)fluoranthene	0.8	0.05	1.59	ug/L	Pass
Chrysene	0.8	0.05	1.74	ug/L	Pass
Dibenz(a,h)anthracene	0.8	0.025	1.69	ug/L	Pass
Fluoranthene	0.8	0.05	1.8	ug/L	Pass
Fluorene	0.8	0.05	1.48	ug/L	Pass
Indeno(1,2,3-cd)pyrene	0.8	0.025	1.95	ug/L	Pass
Naphthalene	0.8	0.05	1.71	ug/L	Pass
Phenanthrene	0.8	0.05	1.96	ug/L	Pass
Pyrene	0.8	0.05	1.67	ug/L	Pass

The test concentration should be 2 to 3 times the method detection limit.
Detection of the analyte at the appropriate test concentration indicates acceptable results.
*TRRP: Texas Risk Reduction Program

Unadjusted Detection Limits

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Analyte	MQL	MDL	Units
1-Methylnaphthalene	0.000100	0.0000500	mg/L
2-Methylnaphthalene	0.000100	0.0000500	mg/L
Acenaphthene	0.000100	0.0000500	mg/L
Acenaphthylene	0.000100	0.0000500	mg/L
Anthracene	0.000100	0.0000500	mg/L
Benzo[a]anthracene	0.0000500	0.0000250	mg/L
Benzo[a]pyrene	0.0000500	0.0000250	mg/L
Benzo[b]fluoranthene	0.0000500	0.0000250	mg/L
Benzo[g,h,i]perylene	0.000100	0.0000500	mg/L
Benzo[k]fluoranthene	0.000100	0.0000500	mg/L
Chrysene	0.000100	0.0000500	mg/L
Dibenz(a,h)anthracene	0.0000500	0.0000250	mg/L
Fluoranthene	0.000100	0.0000500	mg/L
Fluorene	0.000100	0.0000500	mg/L
Indeno[1,2,3-cd]pyrene	0.0000500	0.0000250	mg/L
Naphthalene	0.000100	0.0000500	mg/L
Phenanthrene	0.000100	0.0000500	mg/L
Pyrene	0.000100	0.0000500	mg/L

Job ID: 490-171175-2

Laboratory: Eurofins TestAmerica, Nashville

Narrative

Job Narrative
490-171175-2

Comments
No additional comments.

Receipt
The samples were received on 3/30/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 490-171175-2
Project/Site: 7-11 No 26342(TX)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

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

Client Sample ID: MW-8
Lab Sample ID: 490-171175-7
Date Collected: 03/28/19 14:35
Matrix: Water
Date Received: 03/30/19 09:00

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.00150**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Acenaphthylene	**0.000407**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Anthracene	**0.000287**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Benzo[a]anthracene	0.0000325	U	0.0000651	0.0000325	mg/L		03/30/19 13:54	04/01/19 13:29	1
Benzo[a]pyrene	0.0000325	U	0.0000651	0.0000325	mg/L		03/30/19 13:54	04/01/19 13:29	1
Benzo[b]fluoranthene	**0.0000358**	**J**	0.0000651	0.0000325	mg/L		03/30/19 13:54	04/01/19 13:29	1
Benzo[g,h,i]perylene	0.0000651	U	0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Benzo[k]fluoranthene	0.0000651	U	0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Chrysene	0.0000651	U	0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Dibenz(a,h)anthracene	0.0000325	U	0.0000651	0.0000325	mg/L		03/30/19 13:54	04/01/19 13:29	1
Fluoranthene	**0.000136**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Fluorene	**0.000664**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Indeno[1,2,3-cd]pyrene	0.0000325	U	0.0000651	0.0000325	mg/L		03/30/19 13:54	04/01/19 13:29	1
Naphthalene	**0.0388**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Phenanthrene	**0.000602**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
Pyrene	**0.000178**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1
2-Methylnaphthalene	**0.104**		0.000260	0.000130	mg/L		03/30/19 13:54	04/03/19 19:49	2
1-Methylnaphthalene	**0.0584**		0.000130	0.0000651	mg/L		03/30/19 13:54	04/01/19 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*10 - 120*	*03/30/19 13:54*	*04/01/19 13:29*	*1*
Nitrobenzene-d5	*53*		*27 - 120*	*03/30/19 13:54*	*04/01/19 13:29*	*1*
Terphenyl-d14	*79*		*13 - 120*	*03/30/19 13:54*	*04/01/19 13:29*	*1*

Surrogate Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(10-120)	(27-120)	(13-120)
490-171175-7	MW-8	66	53	79
LCS 490-584526/2-A	Lab Control Sample	88	67	109
LCSD 490-584526/3-A	Lab Control Sample Dup	91	71	112
MB 490-584526/1-A	Method Blank	91	74	109

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 490-584526/1-A
Matrix: Water
Analysis Batch: 584794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584526

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Acenaphthylene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Anthracene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Benzo[a]anthracene	0.0000250	U	0.0000500	0.0000250	mg/L		03/30/19 13:53	04/01/19 19:15	1
Benzo[a]pyrene	0.0000250	U	0.0000500	0.0000250	mg/L		03/30/19 13:53	04/01/19 19:15	1
Benzo[b]fluoranthene	0.0000250	U	0.0000500	0.0000250	mg/L		03/30/19 13:53	04/01/19 19:15	1
Benzo[g,h,i]perylene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Benzo[k]fluoranthene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Chrysene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Dibenz(a,h)anthracene	0.0000250	U	0.0000500	0.0000250	mg/L		03/30/19 13:53	04/01/19 19:15	1
Fluoranthene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Fluorene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Indeno[1,2,3-cd]pyrene	0.0000250	U	0.0000500	0.0000250	mg/L		03/30/19 13:53	04/01/19 19:15	1
Naphthalene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Phenanthrene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
Pyrene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
2-Methylnaphthalene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1
1-Methylnaphthalene	0.0000500	U	0.000100	0.0000500	mg/L		03/30/19 13:53	04/01/19 19:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*91*		*10 - 120*	*03/30/19 13:53*	*04/01/19 19:15*	*1*
Nitrobenzene-d5	*74*		*27 - 120*	*03/30/19 13:53*	*04/01/19 19:15*	*1*
Terphenyl-d14	*109*		*13 - 120*	*03/30/19 13:53*	*04/01/19 19:15*	*1*

Lab Sample ID: LCS 490-584526/2-A
Matrix: Water
Analysis Batch: 584794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00800	0.007125		mg/L		89	46 - 120
Acenaphthylene	0.00800	0.007574		mg/L		95	48 - 120
Anthracene	0.00800	0.007813		mg/L		98	58 - 130
Benzo[a]anthracene	0.00800	0.008096		mg/L		101	57 - 120
Benzo[a]pyrene	0.00800	0.008157		mg/L		102	57 - 124
Benzo[b]fluoranthene	0.00800	0.008241		mg/L		103	51 - 125
Benzo[g,h,i]perylene	0.00800	0.007386		mg/L		92	51 - 123
Benzo[k]fluoranthene	0.00800	0.007988		mg/L		100	51 - 120
Chrysene	0.00800	0.007682		mg/L		96	55 - 120
Dibenz(a,h)anthracene	0.00800	0.007577		mg/L		95	50 - 125
Fluoranthene	0.00800	0.008567		mg/L		107	56 - 120
Fluorene	0.00800	0.007945		mg/L		99	52 - 120
Indeno[1,2,3-cd]pyrene	0.00800	0.008337		mg/L		104	54 - 125
Naphthalene	0.00800	0.006799		mg/L		85	37 - 120
Phenanthrene	0.00800	0.007895		mg/L		99	56 - 120
Pyrene	0.00800	0.006896		mg/L		86	53 - 129
2-Methylnaphthalene	0.00800	0.007309		mg/L		91	31 - 120
1-Methylnaphthalene	0.00800	0.007215		mg/L		90	36 - 120

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 490-584526/2-A
Matrix: Water
Analysis Batch: 584794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584526

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	88		10 - 120
Nitrobenzene-d5	67		27 - 120
Terphenyl-d14	109		13 - 120

Lab Sample ID: LCSD 490-584526/3-A
Matrix: Water
Analysis Batch: 584794

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.00800	0.007436		mg/L		93	46 - 120	4	31
Acenaphthylene	0.00800	0.007953		mg/L		99	48 - 120	5	31
Anthracene	0.00800	0.008345		mg/L		104	58 - 130	7	28
Benzo[a]anthracene	0.00800	0.008390		mg/L		105	57 - 120	4	27
Benzo[a]pyrene	0.00800	0.008498		mg/L		106	57 - 124	4	27
Benzo[b]fluoranthene	0.00800	0.008763		mg/L		110	51 - 125	6	39
Benzo[g,h,i]perylene	0.00800	0.007795		mg/L		97	51 - 123	5	27
Benzo[k]fluoranthene	0.00800	0.008476		mg/L		106	51 - 120	6	32
Chrysene	0.00800	0.007912		mg/L		99	55 - 120	3	27
Dibenz(a,h)anthracene	0.00800	0.007840		mg/L		98	50 - 125	3	28
Fluoranthene	0.00800	0.008866		mg/L		111	56 - 120	3	28
Fluorene	0.00800	0.008237		mg/L		103	52 - 120	4	28
Indeno[1,2,3-cd]pyrene	0.00800	0.008177		mg/L		102	54 - 125	2	27
Naphthalene	0.00800	0.007300		mg/L		91	37 - 120	7	37
Phenanthrene	0.00800	0.008237		mg/L		103	56 - 120	4	26
Pyrene	0.00800	0.007204		mg/L		90	53 - 129	4	29
2-Methylnaphthalene	0.00800	0.008025		mg/L		100	31 - 120	9	35
1-Methylnaphthalene	0.00800	0.007963		mg/L		100	36 - 120	10	36

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	91		10 - 120
Nitrobenzene-d5	71		27 - 120
Terphenyl-d14	112		13 - 120

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

GC/MS Semi VOA

Prep Batch: 584526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-7	MW-8	Total/NA	Water	3510C	
MB 490-584526/1-A	Method Blank	Total/NA	Water	3510C	
LCS 490-584526/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 490-584526/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 584794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-7	MW-8	Total/NA	Water	8270D SIM	584526
MB 490-584526/1-A	Method Blank	Total/NA	Water	8270D SIM	584526
LCS 490-584526/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	584526
LCSD 490-584526/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	584526

Analysis Batch: 585312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-171175-7	MW-8	Total/NA	Water	8270D SIM	584526

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

Client Sample ID: MW-8
Date Collected: 03/28/19 14:35
Date Received: 03/30/19 09:00

Lab Sample ID: 490-171175-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			192.1 mL	1 mL	584526	03/30/19 13:54	KWS	TAL NSH
Total/NA	Analysis	8270D SIM		1			584794	04/01/19 13:29	T1C	TAL NSH
Total/NA	Prep	3510C			192.1 mL	1 mL	584526	03/30/19 13:54	KWS	TAL NSH
Total/NA	Analysis	8270D SIM		2			585312	04/03/19 19:49	T1C	TAL NSH

Laboratory References:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: 7-11 No 26342(TX)

Job ID: 490-171175-2

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL NSH
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Job ID: 490-171175-2
Project/Site: 7-11 No 26342(TX)

Laboratory: Eurofins TestAmerica, Nashville

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

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	06-30-19
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-18 *
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-20
Massachusetts	State Program	1	M-TN032	06-30-19
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-19
Nevada	State Program	9	TN00032	07-31-19
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-19
New York	NELAP	2	11342	03-31-19 *
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19
Pennsylvania	NELAP	3	68-00585	07-31-19
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-19 *
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-19 *
Wisconsin	State Program	5	998020430	08-31-19
Wyoming (UST)	A2LA	8	453.07	12-31-19

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-171175 Chain of Custody

Cooler Received/Opened On 3/30/2019 @ 9:00

Time Samples Removed From Cooler 10:55 Time Samples Placed In Storage 10:59 (2 Hour Window)

1. Tracking # 8650 (last 4 digits, FedEx) Courier: Fedex

IR Gun ID 31470366 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 3.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) ACE

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...(NO)...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) ACE

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) ACE

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) ACE

I certify that I attached a label with the unique LIMS number to each container (intial) ACE

21. Were there Non-Conformance Issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Dallas/Ft. Worth #238

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Owen Craven	Lab PM: Klingensmith, Leah	Carrier Tracking No(s):	COC No: 490-77337-22309.1
Client Contact: Alex Mebrahtu	Phone: 385-275-0848	E-Mail: [redacted]		Page: Page 1 of 1
Company: Aptim Environmental & Infrastructure Inc		Analysis Requested		Job #:
Address: 12005 Ford Road, Suite 600	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Dallas	TAT Requested (days): 24hr. TAT Except PAH (Extended)			
State, Zip: TX, 75234	PO #:			Other:
Phone: 972-773-8449(Tel)	WO #:			
Email: [redacted]				
Project Name: 7-11 No 26342.EL(TX)	Project #: 49008085			
Site: 26342	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM - (MOD) 8270D SIM PAH List	8260B BTEX/MTBE	TX_1005	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-1	3/28/19	1230	G	W			X	X	X		PAH on MW-4, MW-8 MW-3
MW-2R		1310						X	X		
MW-6		1330						X	X		
MW-7		1245						X	X		
MW-5		1345						X	X		
MW-4		1405					X	X	X		
MW-8		1435					X	X	X		
MW-3	X	1505	X	X			X	X	X		

Loc: 490
171175

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: CRL, OCS

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Owen Craven	3/28/19 1545	APTIM	FedEx		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/30/19	Company TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6

Ver: 08/04/2016

4/9/2019

Klingensmith, Leah

From: Mebrahtu, Alex [redacted]
Sent: Tuesday, April 02, 2019 4:27 PM
To: Klingensmith, Leah
Cc: Tapia, Kim H; Dart, Jennifer; Rusk, Debbie
Subject: RE: TestAmerica report files from 490-171175-1 7-11 No 26342(TX)

-External Email-

Leah,
Run PAH on MW-8 only.

Thanks,
Alex

ALEX MEBRAHTU
Project Manager

APTIM | Environment and Sustainability

O 972 773 8433
M 703 231 4136
E [redacted]

From: Leah Klingensmith [redacted]
Sent: Tuesday, April 2, 2019 4:15 PM
To: Mebrahtu, Alex [redacted]>; Rusk, Debbie [redacted]>; Dart, Jennifer [redacted]>; Tapia, Kim H [redacted]
Subject: TestAmerica report files from 490-171175-1 7-11 No 26342(TX)

Hello,

Attached please find the report files for job 490-171175-1; 7-11 No 26342(TX)

Do you want the PAHs run on all three samples - MW-4, MW-8 and MW-3 or just the one with the highest C12-C28 result?

Please feel free to contact me if you have any questions.

Thank you.

Leah Klingensmith
Project Manager

TestAmerica Nashville

E-mail [redacted]
www.TestAmericainc.com

Reference: [490-516503]
Attachments: 1

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to

TestAmerica Laboratories, Inc. - Nashville

2960 Foster Creighton Drive
Nashville, TN 37204-3719

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses (www.tceq.texas.gov/goto/lab). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

Stephanie Bergeron Perdue

Executive Director Texas Commission on Environmental Quality

Certificate Number: T104704077-18-17
Effective Date: 9/1/2018
Expiration Date: 8/31/2019

APPENDIX B

WASTE DISPOSAL RECORDS

19792

TAS Environmental Services L.P.

NON HAZARDOUS LIQUID WASTE MANIFEST

JOB NO. 0019014 3WWT

GENERATOR INFORMATION

(MUST BE COMPLETED BY GENERATOR)

BUSINESS NAME: 7-11 # 26342

ADDRESS: 101 E Clode Euless TELEPHONE: 9727738434

WASTE REMOVED FROM: GREASE TRAP _____ PST _____

GRIT TRAP _____ MONITOR WELL _____

UST _____

OTHER 3 - 55 gallon Drums

WASTE TANK OR TRAP CAPACITY: 165 GALLONS

I CERTIFY THAT THE WASTE MATERIAL REMOVED FROM THE ABOVE PREMISES CONTAINS NO HAZARDOUS MATERIALS.

GENERATOR/REPRESENTATIVE NAME: X Lauren Matthews on behalf of 7-Eleven Inc (PRINT)

1-14-19 X _____

(DATE SERVICED) (GENERATOR/REPRESENTATIVE SIGNATURE)

TRANSPORTER INFORMATION

(MUST BE COMPLETED BY TRANSPORTER)

BUSINESS NAME: **TAS Environmental Services L.P.**

ADDRESS: **3929 California Parkway E, Fort Worth, TX 76119** TELEPHONE: **817.535.7222**

TCEQ REGISTRATION NO: **23629** EPA ID NO: **61283**

GALLONS REMOVED: 165 TRUCK NO.: T-21

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS CORRECT, AND THAT ONLY THE WASTE CERTIFIED FOR REMOVAL BY THE GENERATOR IS CONTAINED IN THE SERVICING VEHICLE. I AM AWARE THAT FALSIFICATION OF THIS TRIP TICKET MAY RESULT IN PROSECUTION.

DRIVERS NAME: _____ (PRINT)

1-14-19 130 _____

(DATE WASTE TRANSPORTED) (DRIVER SIGNATURE)

DISPOSAL INFORMATION

(MUST BE COMPLETED BY DISPOSER)

BUSINESS NAME: TAS Environmental Services L.P.

ADDRESS: 8508 C F Hawn Frwy TELEPHONE: _____

DSHS PERMIT NO: Dallas, TX 75217

I CERTIFY THAT I HAVE BEEN AUTHORIZED BY THE TEXAS DEPARTMENT OF STATE HEALTH SERVICES TO ACCEPT THE ABOVE SPECIFIED WASTE AND THAT I HAVE DISPOSED OF THE WASTE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THAT AUTHORIZATION.

SITE OPERATOR NAME: Antonio Sanchez

1-14-19 2:30PM 165 (PRINT) Antonio Sanchez

(DATE WASTE RECEIVED) (GALLONS REMOVED) (SITE OPERATOR SIGNATURE)

WHITE – City/Original GREEN – Generator YELLOW – Disposal Site PINK – Transporter GOLD - FINAL - Generator

APPENDIX C

SITE CLOSURE REQUEST

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PETROLEUM STORAGE TANK
LPST SITE CLOSURE REQUEST FORM

This form is to be used to request closure for Leaking Petroleum Storage Tank (LPST) cases. The soil and groundwater cleanup goals must be met prior to submitting this form. These cleanup goals should be derived from either:

- the TCEQ *Risk-Based Corrective Action for Leaking Storage Tank Sites* document, January 1994 (RG-36), or
- the TCEQ Interoffice Memorandum *Process for Closure Evaluation for Petroleum Hydrocarbon LPST Sites Exceeding Target Concentrations*, February 10, 1997.

Submission of this Site Closure Request constitutes certification by the Responsible Party, Corrective Action Specialist (CAS), and Corrective Action Project Manager (CAPM) that all necessary corrective actions have been completed and final closure of the subject site is appropriate at this time. By signing this Site Closure Request, the Responsible Party, CAS, and CAPM acknowledges that no further corrective actions, with the exception of activities subsequently approved by the TCEQ, will be eligible for reimbursement after the RP's signature date. Although costs for activities such as groundwater monitoring or remediation system operation and maintenance may have been approved for an annual period, these activities should cease upon submission of the Site Closure Request as these activities will not be considered eligible for reimbursement beyond the date of the Site Closure Request. Additionally, any costs relating to site assessment or other corrective action activities will not be eligible for reimbursement if the activities are conducted after the date of the Site Closure Request, unless specifically approved by the TCEQ. If, upon review by the TCEQ, the TCEQ concurs that the site meets the conditions for final closure, the costs for closure activities necessary to restore the site to its original condition will be reviewed and approved as appropriate. If the TCEQ determines that the site does not meet the conditions for final closure, the TCEQ will request a workplan and cost proposal for the next appropriate corrective action activity necessary to proceed towards final closure unless appropriate activities have previously been approved. The only type of proposal that should be attached to the Site Closure Request is for site closure costs. Any proposals attached to the Site Closure Request for activities other than site closure will not be processed and will be withdrawn from consideration.

If any of the following apply, the site is not ready for closure and this form should not be submitted:

- **The appropriate LPST cleanup goals have not been met (a proposal for the next appropriate step should be submitted instead);**
- **Non-aqueous phase liquid (NAPL) has not been removed to the maximum extent practicable;**
- **The contaminant plume is increasing in size; or**
- **All wastes and other material generated from the site have not been properly disposed;**

Do not use this form:

- **if the release was not from a regulated underground or aboveground storage tank;**
- **for tank removal-from-service activities not associated with an LPST site (use the *Release Determination Report Form* (TCEQ-0621) or other appropriate format); or**
- **for shutdown of remediation systems or for plugging of monitor wells when site closure is not yet appropriate.**

If asked to initiate additional activities, submit a workplan and preapproval request for those activities on sites eligible for reimbursement. Please review the document entitled *Preapproval for Corrective Action Activities* (RG-111) for procedures on preapproval requests and the other PST guidance pamphlets and rules for additional information on LPST sites.

Complete all blanks and check "yes" or "no" for all inquiries. **IF A COMPLETED *ASSESSMENT REPORT FORM* (TCEQ- 0562) WAS PREVIOUSLY SUBMITTED, YOU DO NOT NEED TO ANSWER THE QUESTIONS WITHIN THE DARK OUTLINED AREAS UNLESS THE INFORMATION HAS CHANGED.** If the question is not applicable to this site, indicate with N/A. If the answer to the question is unknown, please indicate. If space for supplemental information is needed, insert numbered footnote and provide brief supporting discussion in Section VI, Justification for Closure.

1 SITE CLOSURE REQUEST FORM	
General Information	
LPST ID No.: 118951	Facility ID No.: 9224
Responsible Party: 7-Eleven, Inc.	
Responsible Party Address: P.O. Box 711 (Loc 148)	City: Dallas
State: Texas	Zip: 75221
Facility Name: 7-Eleven, Inc. Store No. 26342	
Facility Street Address: 101 E. Glade Road	
Facility City: Euless	County: Tarrant
What is the current use of the site?	☐ Residence ☐ School of Day Care ☒ Commercial/Industrial ☐ Recreational ☐ Agriculture
What is the anticipated use of the site?	☐ Residence ☐ School of Day Care ☒ Commercial/Industrial ☐ Recreational ☐ Agriculture
Adjacent property use:	☒ Residence ☐ School of Day Care ☒ Commercial/Industrial ☐ Recreational ☐ Agriculture
Distance and direction to nearest off-site residence from property line (ft.):	Approximately 75 feet east
Distance and direction to nearest school or day care from property line (miles):	Southwest-adjacent

II. CLOSURE SCREENING INFORMATION

Based on the *Limited Site Assessment Report* form or the Risk-Based *Assessment Report Form* (TCEQ-0562), the site is currently a **Priority 4.1** site. If the site priority has changed, list the other priorities that previously pertained to this site:

☒ Yes ☐ No	Has non-aqueous phase liquid (NAPL) ever been present at this site (including tankpit observation wells)? If yes, has NAPL been removed to the maximum extent practicable? ☒ Yes ☐ No. Current thickness: **0.0** ft. If NAPL has not been removed to the maximum extent practicable, stop here and do not submit this form. Initiate or continue activities necessary for the removal of NAPL at the site.
☒ Yes ☐ No	Were all soils, recovered contaminated groundwater, and any non-aqueous phase liquids properly disposed of, treated, recycled or reused in accordance with TCEQ requirements? If No, stop here and do not submit this form. Provide a proposal (if the site is eligible for reimbursement) to properly dispose or otherwise manage the wastes/materials or, if the site is not eligible for reimbursement, provide documentation of proper disposition of the wastes.
☒ Yes ☐ No	Do contaminant concentrations show a consistent decreasing or low static trend? If No, is the contaminant plume increasing in size? ☐Yes ☐ No. If Yes, stop here and do not submit this form. Initiate activities to control plume migration.

III. RELEASE ABATEMENT/REMEDIATION

Date release discovered:	05/15/2012
Substance(s) released:	☒ Gasoline ☐alcohol blended fuel ☐Diesel ☐Used Oil ☐ ☐Aviation gas ☐Other ☐Jet fuel, type:
Source of release:	☐ USTs ☐ AST ☒ Piping ☐ Dispenser ☐ Submersible Turbine Pump Area ☐Overfills/Spills ☐ Unknown ☐Other

Has a receptor survey been conducted?	☒ Yes ☐ No
Has a water well inventory been conducted?	☒ Yes ☐ No

Have vapor impacts to buildings or utility lines ever been associated with this release? If Yes, specify the measures taken to abate the impact and indicate the latest date that an impact was noted:	☐ Yes ☒ No
Have subsurface utilities ever been affected with NAPL or vapors by this release? If Yes, indicate the latest date that an impact was noted:	☐ Yes ☒ No

III. RELEASE ABATEMENT/REMEDIATION, continued

If not already provided in *Release Determination Report Form* (TCEQ-0621), or if the information has changed since submittal of the *Release Determination Report*, indicate number of tanks currently and formerly located at this site (attach pages as necessary):

	Type UST/AST	Product Type	Size (gal.)	
Current:				
	UST	Gasoline	20,000	
Former:	Type UST/AST	Product Type	Size (gal.)	Date Removed From Service
	UST	Gasoline	12,000	11/19/2012
	UST	Gasoline	12,000	11/19/2012
	UST	Gasoline	12,000	11/19/2012

If the tanks were permanently removed from service, were native soil samples collected from beneath the tanks **and** the entire length of the piping? If No, explain why not:	☒ Yes ☐ No
Was a new UST system installed? If Yes, indicate the date, number of tanks and their contents: **One 20,00-gallon double-walled fiberglass-reinforced plastic (FRP) UST with a 12,000-gallon and 8,000-gallon compartment containing gasoline.**	☒ Yes ☐ No
Are there any open excavations at the site? If Yes, state size, location, purpose, and status for each of the excavations:	☐ Yes ☒ No

Type(s) of soil remediation and time periods the remediation method was operational (indicate all that apply):"

☒ Excavation ☒ Soil Vapor Extraction ☐ In-Situ Bioremediation ☒ Disposal ☐ Aboveground Bioremediation/Aeration ☐ Thermal Treatment ☐ None	Dates of operations: **05/15-16/2012:** during release determination activities, approx. 20 cy of excavated material was disposed offsite **06/15/2012, 7/16/2012, 10/7-10/2012, 3/25/2013, 8/3/2015, 01/28/2016:** consisted of MDPE events **11/2012:** during tank replacement activities, approx. 1,360 cy of excavated material was disposed offsite

III. RELEASE ABATEMENT/REMEDIATION, continued	
Were copies of all receipts and manifests to document disposition of all wastes submitted to the TCEQ? If No, attach copies to this form. **Copies of remaining waste manifests will be provided in the Final Site Closure Report.**	☐ Yes ☒ No
Measured total volume of NAPL recovered, gallons:	N/A
Estimated total volume of soil Treated/removed: cubic yards (exclude soil cuttings removed from borings).	Approximately 1,380 cubic yards removed; undetermined volume treated during MDPE events
Estimated total volume of groundwater treated/removed: gallons (if known).	Approximately 16,711.5 gallons
Estimated pounds of hydrocarbons removed or treated from soil (if known):	Undetermined
Estimated pounds of hydrocarbons removed or treated from groundwater (if known):	Undetermined
Estimated percent of total contaminants removed or treated (if known):	Undetermined

IV. SOIL DATA VALIDATION	
Are there now affected surface soils (contamination exceeding health-based target concentrations) present within 2 feet below the ground surface?	☐ Yes ☒ No ☐ Unknown
Type of surface cover over affected surface soil area:	☒ Paved (☐ asphalt or ☒ concrete) Percent of affected soils covered: 100% ☐ Unpaved ☐ Other:
Is there public access to the uncovered affected surface soil area? **N/A**	☐ Yes ☐ No
Total number of borings: (including those completed as monitor wells)	Nine
Was the vertical and horizontal extent of soil impacts defined (to the more stringent of health-based target or groundwater protective soil concentrations horizontally and to groundwater or nondetect vertically) by the borings?	☒ Yes ☐ No
Are shallow (0-15 feet below ground surface) soils affected (contaminant levels exceed health-based target concentrations) on adjacent properties (including right-of-way properties).	☐ Yes ☒ No
Were all soil sample collection, handling, transport, and analytical procedures conducted in accordance with TCEQ and EPA requirements?	☒ Yes ☐ No
If No, provide justification:	N/A

MAXIMUM SOIL CONCENTRATION LEVELS

Soil Contaminants	Sample Date	Sample Location	Depth (ft.)	Analytical Method	Maximum Concentration (mg/kg)	Target Cleanup Goals (Category II Target Cleanup Levels)
Benzene	11/06/2012	DI-02	4	EPA 8260B	**6**	1.34
Toluene	11/06/2012	DI-02	4	EPA 8260B	36	114
Ethylbenzene	11/06/2012	DI-02	4	EPA 8260B	36	**88.8**
Xylene	11/06/2012	DI-01 and DI-02	4	EPA 8260B	**120**	117
MTBE	05/25/2012	MW-2	10-12.5	EPA 8260B	2.12	3.9
TPH (C_{12}-C_{28})	11/06/2012	DI-02	4	TCEQ TX1005	840	--

Enter maximum soil analytical results for soils remaining beneath the site (take into account all available data, including information obtained during the release determination (tank removal from service, minimal site assessment, etc)).

If Plan A cleanup goals were used, provide the potential groundwater beneficial use category and a justification of how it was determined in Section VI.

V. GROUNDWATER DATA VALIDATION		
Is groundwater at the site impacted?		☒ Yes ☐ No
Did the assessment document that groundwater was not impacted?		☐ Yes ☒ No
If No or unsure, provide justification for not determining whether there is a groundwater impact: \		
Total number of monitoring wells installed:	Nine (MW-1, MW-2, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8)	
Number of monitor wells remaining at the site:	Eight (MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8)	
Will any of the remaining wells be used in the future?		☐ Yes ☒ No
If yes, specify which wells will be used:	N/A	
If No, they must be plugged in accordance with Water Code 32.017 **after** obtaining approval for site closure. **Do not** plug the wells until you receive concurrence on site closure. Costs of well plugging may be allowable for reimbursement if all eligibility requirements are met and if the wells were installed under the direction of the TCEQ specifically to address the confirmed release at the site. Provide a proposal with this form (if the site is eligible for reimbursement) for costs of the well plugging.		

Measured total dissolved solids (TDS) concentration in groundwater:(mg/l)	200 mg/L	
From which monitor well(s) was/were the sample(s) collected?	MW-1	
Measured groundwater yield at the site: gallons/day (as determined from well adequately screened in the impacted aquifer).		☒ Not determined.
Measured groundwater depth at the site ranges between: 5.33 to 20.73 ft. below the top of well casing		

Time period of groundwater monitoring at the site (dates):	06/07/2012 through 03/28/2019	
Total number of groundwater monitoring events:		Twenty-eight
What type of aquifer is impacted? (unconfined, confined, semi-confined):	Unconfined	
Distance and direction from maximum plume concentration point to nearest existing downgradient well: (Input ">0.5 mile" if there is no well within 0.5 mile downgradient)		Approx 0.48 miles
Are any water supply wells impacted or immediately threatened?		☐Yes ☒No
If Yes, specify type of well: N/A	☐Drinking water ☐Non-drinking water	
Are there any existing water wells located within the area of impacted groundwater?		☐Yes ☒No
If Yes, specify type of well: N/A	☐Drinking water ☐Non-drinking water	

V. GROUNDWATER DATA VALIDATION continued		
Has surface water been affected?		☐Yes ☒No
Will the groundwater contaminants likely discharge to a surface water body?		☐Yes ☒No
What is the potential impact of affected groundwater discharge on surface water?	☐ Current impact ☐ Discharges within 500 ft. ☐ Discharges within 500 to 0.25 miles ☒ No potential impact	
Were groundwater sample collection, handling, transport, and analytical procedures conducted and documented in accordance with TCEQ requirements?		☒Yes ☐No
If no, provide justification	N/A	
Is the extent of groundwater contamination defined (to MCL concentrations)? If No, provide justification for not defining the plume: APTIM has attempted access approval, and requested access assistance multiple times from the TCEQ, to install a downgradient well on an off-site property. As of the date of this report, access approval has not been received.		☐Yes ☒No
Have groundwater impacts from this release been detected on adjacent properties?		☐Yes ☒No
If No, is off-site migration probable?		☒Yes ☐No
Is there documentation that off-site migration has **not** occurred (sample results from off-site sampling point)?		☒Yes ☐No
Was the static groundwater level above the top of the well screen in any monitor wells during any of the last 4 monitoring events?		☐Yes ☒No
If Yes, provide a statement of validity regarding these samples:	**N/A**	
Have groundwater samples from all monitor wells met the target cleanup goals for the last four consecutive sampling events?		☐Yes ☒No

MAXIMUM GROUNDWATER CONCENTRATIONS, (From the most recent 12 months.)					
Groundwater Contaminants	Sample Date	Sample Location	Laboratory Method	Maximum (mg/l) Concentration	Target Cleanup Goals (Category II Target Cleanup Levels)
Benzene	12/27/2018	MW-8	EPA 8260B	**3.01**	0.0568
Toluene	12/27/2018	MW-8	EPA 8260B	0.0569	2.92
Ethylbenzene	12/27/2018	MW-8	EPA 8260B	1.13	3.65
Total Xylenes	12/27/2018	MW-8	EPA 8260B	1.52	10
MTBE	03/28/2019	MW-6	EPA 8260B	0.147	0.365
TPH (C_{12}-C_{28})	03/28/2019	MW-8	TX1005	4.86	--

VI. JUSTIFICATION FOR CLOSURE

Please provide a brief summary supporting this request for site closure, including footnoted discussions for the above entries as necessary. **Include discussions providing necessary justifications for any site conditions which deviate from the specific requirements of TCEQ rules and policies, including the document *Risk-Based Corrective Action for Leaking Storage Tank Sites***. Provide documentation to justify case closure, including information which addresses the potential for future exposure, the existence of impervious cover or other actions which may prevent exposure or limit infiltration, the absence of receptors, etc.

1. Since the release was confirmed on 05/15/2012, nine monitor wells were installed (eight remaining; seven onsite and one off-site), twenty-eight groundwater sampling events were completed, and 224 groundwater gauging product / recovery events have occurred with the following findings:
    a. NAPL has historically been observed in monitor wells MW-3 and MW-4. However, NAPL has only been observed as a sheen in MW-3 in the last year and has not been identified in MW-4 since 12/14/2017. In addition, no NAPL was observed in MW-8 which is the most down-gradient onsite well. It is APTIM's opinion that the NAPL has been recovered to the maximum extent possible.
    b. Soil and groundwater samples were submitted for analysis of BTEX/MTBE, TPH, and PAH.
    c. Analytical results for soil indicated concentrations of all chemicals of concern were below Construction Worker Exposure Levels. As TPH in the C_{12}-C_{28} range was detected, PAH analysis was conducted and all chemicals of concern were below Category II Target Cleanup Levels.
    d. The tank system was replaced in November 2012.
    e. The soil and current tank system is contained under an impervious layer of concrete.
2. The site has been designated as Category II and Priority 4.1.
    a. Though analytical results have indicated concentrations above Category II Target Cleanup Levels, concentrations appear to be steady to declining.
    b. The groundwater-bearing unit on-site does not discharge to a surface water body within 0.5 miles of the affected zone.
    c. Future use of the affected groundwater bearing unit is unlikely. The City of Euless obtains drinking water from the Trinity River Valley Authority as well as three public supply wells within the city.
    d. Average depth to groundwater is approximately 12.15 feet bgs. The groundwater and soils on-site are contained under an impervious layer of concrete.
3. Three water wells were reported in the GeoSearch, Inc. Water Well Report within a ½ mile radius, though none of the wells are considered impacted. Aptim Environmental & Infrastructure, LLC field reconnaissance did not identify any water wells within a ¼ mile radius of the site.
4. Current Exit Criteria Flowcharts indicate the following:
    a. Groundwater Pathways – Close
    b. Groundwater Pathways (Construction Worker) – Close
    c. Soil Pathways:
        i. Human Health – Close
        ii. Explosive – Close
        iii. Soil-to-Groundwater – See Groundwater Pathway Flowcharts
    d. Criteria for Natural Attenuation – Utilize natural attenuation as the remedial option for the site.

VII. REPORT PREPARATION

Based on the results of the site investigation and the additional information presented herein, I certify that the site investigation activities performed either by me, or under my direct supervision, including subcontracted work, were conducted in accordance with accepted industry standards/practices and further, that all such tasks were conducted in compliance with applicable TCEQ published rules, guidelines and the laws of the State of Texas. I have reviewed the information included within this report, and consider it to be complete, accurate and representative of the conditions discovered during the site investigation. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report, I may be subject to administrative, civil, and/or criminal penalties. **I certify that the site has met all requirements for closure and that closure is appropriate.**

Project Manager: Leigh Grover, P.G.	CAPM No.: LPST PM 0000125	Expiration Date: 2/28/2020
Company: Aptim Environmental & Infrastructure, LLC		
Address: 12005 Ford Road, Suite 600		City: Dallas
State: Texas		Zip: 75234
Telephone No.: 972-773-8417	Fax No.: 972-773-8401	
Signature: [signature]	Date: 07/30/19	

By my signature affixed below, I certify that I am the duly authorized representative of the Correction Action Specialist named and that I have personally reviewed the site investigation results and other relevant information presented herein and considered them to be in accordance with accepted standards/practices and in compliance with the applicable TCEQ published rules, guidelines and the laws of the State of Texas. Further, that the information presented herein is considered complete, accurate and representative of the conditions discovered during the site investigation. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report, I may be subject to administrative, civil, and/or criminal penalties. **I certify that the site has met all requirements for closure and that closure is appropriate.**

Corrective Action Specialist: Amandeep Kang	CAS No.: 00842	Expiration Date: 8/28/2020
Company: Aptim Environmental & Infrastructure, LLC		City: Dallas
Address: 12005 Ford Road, Suite 600		Zip: 75234
Telephone No.: 972-773-8428	Fax No.: 972-773-8401	
Signature:	Date:	

REPORT PREPARATION, continued

By my signature affixed below, I certify that I have reviewed this report for accuracy and completeness of information regarding points of contact and the facility and storage tank system history and status. I acknowledge that if I intentionally or knowingly make false statements, representations, or certifications in this report related to the contact information, and the facility and storage tank system history and status information, I may be subject to administrative, civil, and/or criminal penalties. I attest that I have reviewed this report for accuracy and completeness. I understand that I am responsible for addressing this matter. **I certify that the site has met all requirements for closure and that closure is appropriate.**

Name of Responsible party Contact: Jennifer C. Dart, P.G. (on behalf of 7-Eleven, Inc.)	
Telephone No.: 972-773-8409	Fax No.: 972-773-8401
Signature:	Date: 7/30/19

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH THIS FORM IF NOT PREVIOUSLY SUBMITTED:

- A site map illustrating the locations of the entire UST and/or AST system (including piping, dispensers, observation wells, etc.), all soil borings and monitoring wells and all other sampling points, subsurface utilities, and surface water within 500 feet. ***See attached Annual Groundwater Monitoring Report**
- A copy of the latest groundwater gradient map (if monitor wells were completed). ***See attached Annual Groundwater Monitoring Report**
- Summary tables of all soil, groundwater and surface water analytical results, including samples collected from any tank removal from service activities, tank system repair activities, and those collected from borings and monitor wells. The tables must clearly identify the sample number, date of collection, sampling locations, depths (if applicable), and analytical results. ***See attached Annual Groundwater Monitoring Report**
- Copes of any manifests or other waste receipts, and any other documents necessary for case closure. ***See attached Annual Groundwater Monitoring Report**

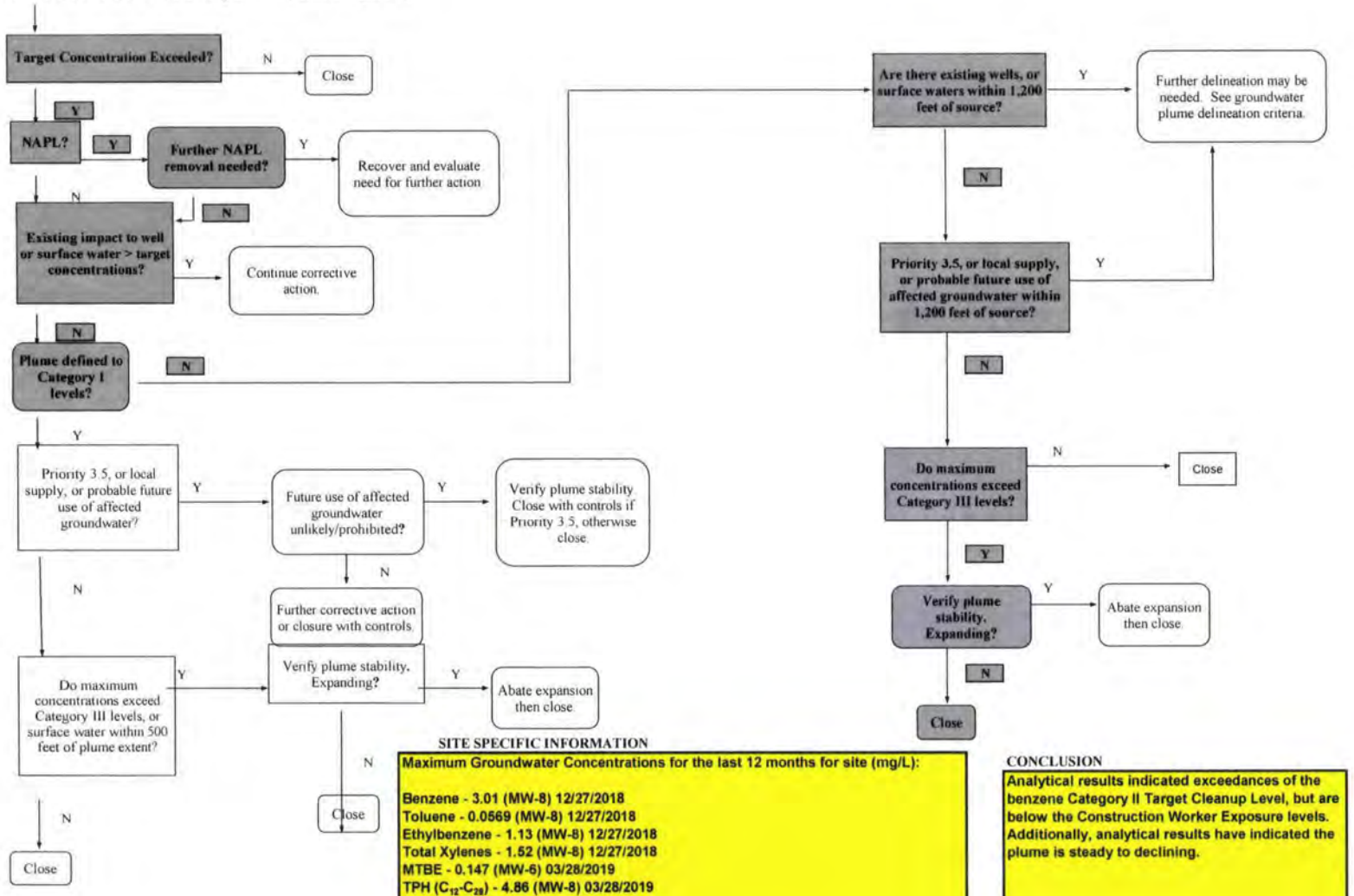
EXIT CRITERIA FLOWCHARTS

7-Eleven, Inc. Store No. 26342
101 E. Glade Road, Euless, Texas 76039
LPST ID No.: 118951

Benificial Use Category : II
Case Priority: 4.1

Figure 1

Groundwater Pathways (see also Figure 2)



SITE SPECIFIC INFORMATION

Maximum Groundwater Concentrations for the last 12 months for site (mg/L):

Benzene - 3.01 (MW-8) 12/27/2018
Toluene - 0.0569 (MW-8) 12/27/2018
Ethylbenzene - 1.13 (MW-8) 12/27/2018
Total Xylenes - 1.52 (MW-8) 12/27/2018
MTBE - 0.147 (MW-6) 03/28/2019
TPH (C_{12}-C_{28}) - 4.86 (MW-8) 03/28/2019

CONCLUSION

Analytical results indicated exceedances of the benzene Category II Target Cleanup Level, but are below the Construction Worker Exposure levels. Additionally, analytical results have indicated the plume is steady to declining.

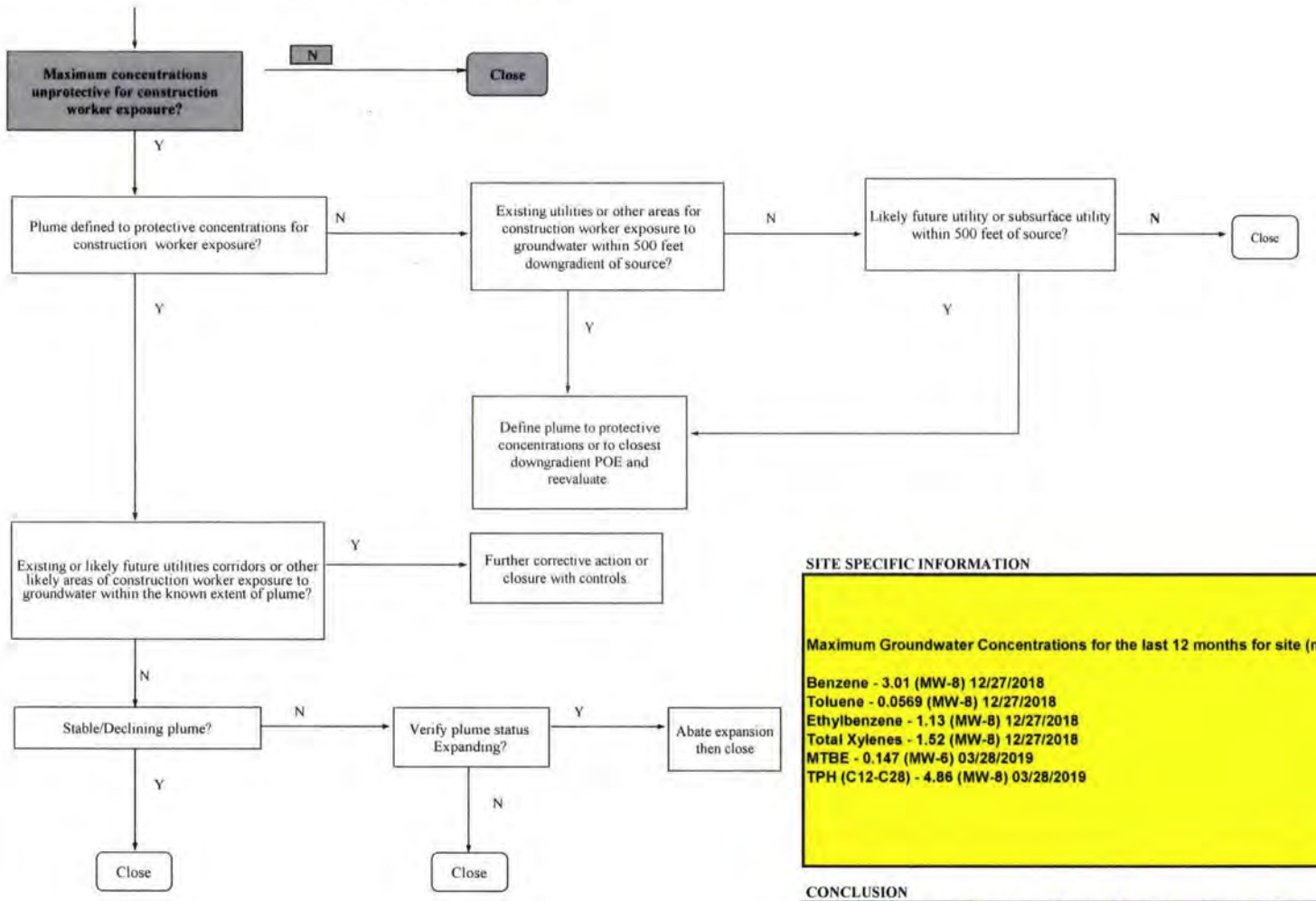
7-Eleven, Inc. Store No. 26342
101 E. Glade Road, Euless, Texas 76039
LPST ID No.: 118951

Benificial Use Category : II
Case Priority: 4.1

Figure 2

Groundwater Pathway - Groundwater depth ≤ 15 Feet, or Within Typical Construction Depth

(Criteria for Figure 1 must also be met)



SITE SPECIFIC INFORMATION

Maximum Groundwater Concentrations for the last 12 months for site (mg/L):

Benzene - 3.01 (MW-8) 12/27/2018
Toluene - 0.0569 (MW-8) 12/27/2018
Ethylbenzene - 1.13 (MW-8) 12/27/2018
Total Xylenes - 1.52 (MW-8) 12/27/2018
MTBE - 0.147 (MW-6) 03/28/2019
TPH (C12-C28) - 4.86 (MW-8) 03/28/2019

CONCLUSION

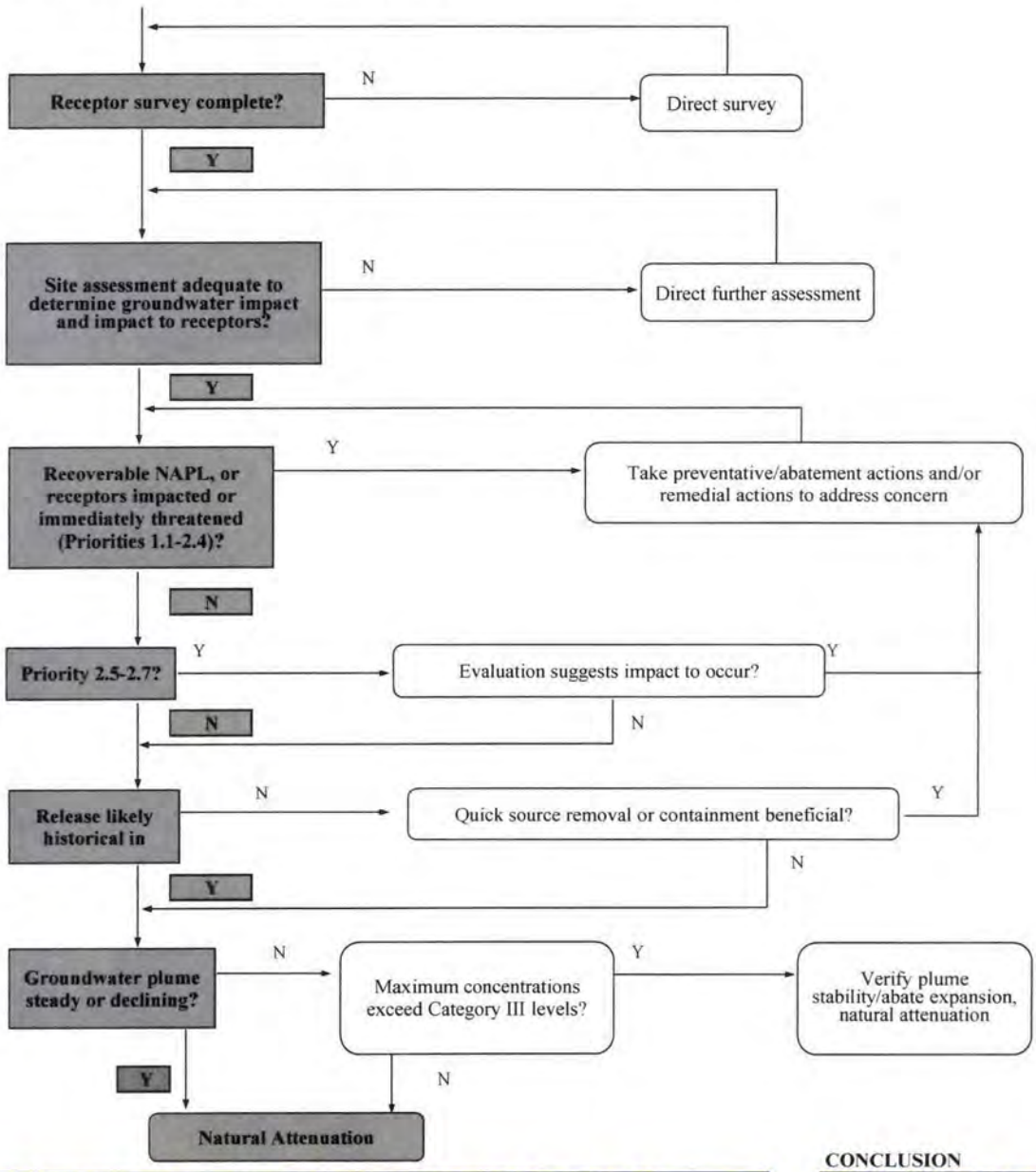
Groundwater concentrations do not exceed Target Concentrations for Construction Worker Exposure; therefore, this pathway closes.

7-Eleven, Inc. Store No. 26342
101 E. Glade Road, Euless, Texas 76039
LPST ID No.: 118951

Benificial Use Category : II
Case Priority: 4.1

Figure 4

Criteria for Natural Attenuation Preference
Petroleum Hydrocarbon LPST Groundwater Sites



Maximum Groundwater Concentrations for the last 12 months for site (mg/L):

Benzene - 3.01 (MW-8) 12/27/2018
Toluene - 0.0569 (MW-8) 12/27/2018
Ethylbenzene - 1.13 (MW-8) 12/27/2018
Total Xylenes - 1.52 (MW-8) 12/27/2018
MTBE - 0.147 (MW-6) 03/28/2019
TPH (C12-C28) - 4.86 (MW-8) 03/28/2019

CONCLUSION

Figure 4 suggests Natural Attenuation is the best option.

7-Eleven, Inc. Store No. 26342
101 E. Glade Road, Euless, Texas 76039
LPST ID No.: 118951

LPST ID No.: 118951
Case Priority: 4.1

Groundwater Plume Delineation Criteria

	Groundwater Scenario	Delineation Extent
1	Existing water supply well within 1200 feet of source	Define to POE; or to 1 order of magnitude less than Plan A Category I level or PQL, whichever is greater concentration. Verify plume Stability.
2	Priority 3.5 or local supply well, or 0.5 mile water well survey indicates an existing water supply well downgradient beyond 1200 feet.	Use modeling to project concentrations at 1200 feet. confirm stable or declining trend. Modeling results should not exceed Plan A Category I concentrations.
3	Probable future groundwater use with in 500 feet	Define to Plan A Category I Levels. Verify plume stability
4	Surface Water within 1200 feet downgradient of source	Define to POE, or to surface water criteria. Modeling evaluation could be conducted to demonstrate protective concentrations at or lesser distance. Verify plume Stability. (If plume defined to Plan A Category I levels, future delineation may be unwarranted unless judge potential for impact to surface water.
5	**Groundwater less than or equal to 15 feet deep or with in typical construction depth and existing utilities with in 500 feet of source**	**Define to concentrations protective for construction worker exposure. Verify plume stability.**
6	**Groundwater less than or equal to 15 feet deep or with in typical construction depth and likely future utilities within 500 feet of source**	**Define to concentrations protective for construction worker exposure. Verify plume stability.**
7	No existing receptors within 1200 feet of source and no likely future receptors within 500 feet of source.	Accept delineation to Plan A Level Category III level as adequate. When plume is not defined to Plan A Category III criteria, then sufficient downgradient definition should exist to show declining concentrations with distance from source.
8	Fractured Bedrock or Karst Environments	Focus primarily on protection to receptors (possible monitoring likely receptors.) Delineation should be attempted to Category I levels (unless an unused source), and abate source area as possible.
9	Other Exposure pathways (groundwater to indoor air, explosive concentrations).	When these are of concern at sites, then delineation to protective concentrations for these pathways should occur.

Criteria for Likely Future Receptor:

Groundwater Use:
Priority 4.1

Commercial/Industrial Area
Municipal supply available (City of Euless)

Assume 5 year benzene half life.

CONCLUSIONS

Figures 1, 2, and 3 exposure pathways are closed, and Figure 4 leads to natural attenuation.

There is not an on-going release. Source has been removed.

ASTM 1527-13 PHASE 1 ESA USER QUESTIONAIRRE

User: DFW Airport

Property Identification:	Glade Road
Interview Date:	12/4/2020
Name:	James Greer
Title:	Environmental Program Manager
Company/Organization:	DFW Airport

Relationship to Subject Property: Environmental Program Manager

(1.) *Environmental liens* that are filed or recorded against the *property* (40 CFR 312.25).

Did a search of *recorded land title records* (or judicial records where appropriate-see Note) identify any *environmental liens* filed or recorded against the *property* under federal, tribal, state or local law? (Note-In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that *environmental liens* and activity and use limitations (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for *environmental liens* and AULs.)

NO

(2.) *Activity and use limitations (AULs)* that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.2(a)(1)(v) and vi))

Did a search of *recorded land title records* (or judicial records where appropriate-see Note) identify any AULs, such as *engineering controls,* land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

NO

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes, James is the Environmental Program Manager for DFW Airport. Glade Road project area is located on DFW Airport property.

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property?* If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*

N/A

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of *releases* or threatened *releases?* For example.,

(a.) Do you know the past uses of the *property?*

Yes, the past use of the property is undisturbed ranch/farmland.

(b.) Do you know of specific chemicals that are present or once were present at the *property?*

NO

(c.) Do you know of spills or other chemical *releases* that have taken place at the *property?*

Yes, vehicle accidents occurred where radiator/car fluid was spilled on the roadway and an RV-involved accident where gray water was spilled; occurred at the intersection of West Airfield Drive and Glade Road.

(d.) Do you know of any environmental cleanups that have taken place at the *property?*

NO

(6.) The degree of obviousness of the presence or likely presence of contamination at the *property,* and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the *property,* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property?*

NO, there are none.